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THE

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Trade-Marks	132	No. 425,095 to No.	425,226,	inclusive.
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Notice

U. S. PATENT OFFICE, *Washington, D. C., Oct. 21, 1946.*

A single signature form for design patents is now available and copies will be furnished free by the Patent Office.

I request those attorneys desiring to print their own forms to present the copy for approval before printing in order that the printed form may bear mark of approval.

The use of single signature forms will expedite the clerical work in the Patent Office considerably, but only however if the official approved forms are used. The cooperation of the Bar in the use of these forms is earnestly solicited.

CASPER W. OOMS,
Commissioner.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Oct. 2, 1946.*

Percival E. Falkingham, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of The Procter & Gamble Company, Sixth and Main Streets, Cincinnati, Ohio, to effect the cancellation of trade-mark registration of Percival E. Falkingham, No. 267,841, dated March 4, 1930. The assignment records of this Office show a transfer of title to this registration to Evenod Perfumer, Inc., a corporation of New York, which has been substituted for said Falkingham to defend the registration concerned. The Patent Office having been unable to obtain service upon the said Evenod Perfumer, Inc., notice is hereby given that unless the assigns, legal representatives, or other person claiming an interest in the registration shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 2, 1946.*

Cameo Costume and Dress Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by May McEwen Kaiser Company, Incorporated, South Main Street, Burlington, N. C., to effect the cancellation of trade-mark registration of Cameo Costume and Dress Company, 247–263 West 37th Street, New York, N. Y., No. 274,163, dated August 19, 1930, and the notice of such proceeding sent by registered mail to the said Cameo Costume and Dress Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Cameo Costume and Dress Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., Oct. 2, 1946.*

Charles L. R. Russell, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Pennsylvania Salt Manufacturing Co., 1000 Widener Building, Philadelphia 7, Pa., to effect the cancellation of trade-mark registration of Charles L. R. Russell, 201 Cook Street, Brooklyn, N. Y., No. 285,029, dated July 14, 1931, and the notice of such proceeding sent by registered mail to the said Russell at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Russell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., October 2, 1946.*

Eye Shade Corporation of America, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Charles H. Foster, 550 Fifth Avenue, New York, N. Y., to effect the cancellation of trade-mark registration of Eye Shade Corporation of America, 3746 Prospect Avenue, Cleveland, Ohio, No. 373,558, dated December 12, 1939, and the notice of such proceeding sent by registered mail to the said Eye Shade Corporation of America at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Eye Shade of America, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business October 11, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 125,392; Trade-Mark Division, 10,475. Oldest new case, February 28, 1945; oldest amended, April 16, 1945.)
(The dates given are 1945 except where † indicates 1946.)

	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1.	GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 29	July 16	2289
2.	HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 18	June 18	2984
3.	SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	June 9	July 20	1974
4.	BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 30	Aug. 24	2317
5.	ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3487
6.	GENIESSE, E. W., Carbon Chemistry (part)	Oct. 30	Nov. 17	1759
7.	HANLIN, GEORGE, Optics, Photography	June 30	Nov. 8	1915
8.	IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 18	Aug. 11	3108
9.	BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Apr. 30	May 9	2110
10.	ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Aug. 6	Aug. 6	1496
11.	BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Feb. 11	Mar. 5	703
12.	SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 7	June 23	2456
13.	BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 13	June 28	2016
14.	FREEHOF, H. B. Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 30	Sept. 21	1435
15.	HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Aug. 26	July 17	1192
16.	LOVEWELL, N. N., Telegraphy; Telephony	Sept. 25	Sept. 12	1206
17.	HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 5	May 2	1069
18.	KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 6	1786
19.	PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 25	Oct. 20	1512
20.	BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 30	July 4	1747
21.	THOMPSON, T. J., Textiles	Feb. 5	Feb. 1	739
22.	CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 18	1785
23.	LEWIS, J. B., Cash Registers; Calculators (part)	Sept. 1	Aug. 17	223
24.	LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Feb. 4	Jan. 26	1097
25.	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 21	Sept. 1	1431
26.	YOUNG, R. R., Electricity—Generation and Motive Power	July 13	July 5	1825
27.	CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 18	June 22	1966
28.	SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	June 6	May 17	1447
29.	SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	July 21	June 30	2001
30.	BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 18	July 30	2258
31.	DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Mar. 23	Mar. 19	913
32.	LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 7	Sept. 21	1920
33.	KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 6	July 26	2874
34.	SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 31	Oct. 2	1133
35.	BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 27	Sept. 27	1805
36.	McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1600
37.	WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 29	Aug. 13	1294
38.	KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Aug. 30	Sept. 19	1269
39.	WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 16	May 14	2372
40.	DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Oct. 4	2269
41.	HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 9	Aug. 14	821
42.	MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 16	Oct. 22	986
43.	STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 13	July 13	1200
44.	HARVEY, L. P., Refrigeration; Preserving	May 12	June 20	1124
45.	LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 17	July 18	2358
46.	MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 11	Sept. 4	1388
47.	KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 18	Oct. 1	2468
48.	BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 12	Apr. 16	1907
49.	SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 7	Aug. 23	1559
50.	LEVIN, SAMUEL, Synthetic Resins	Oct. 8	Oct. 8	2184
51.	FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	July 3	July 5	2181
52.	KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 5	July 13	3059
53.	BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 24	3107
54.	STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 12	June 5	2062
55.	BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 13	Sept. 5	1588
56.	COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 27	Aug. 23	1432
57.	NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Feb. 28	June 11	2662
58.	DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 28	Dec. 5	1150
59.	SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 9	May 28	2026
60.	GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Sept. 12	1760
61.	YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	July 10	June 21	2460
62.	PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 16	May 10	3321
63.	WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	July 28	July 23	1921
64.	NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Mar. 20	Mar. 12	933
65.	McDERMOTT, F. P., Electrical Conductors, Conduit Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Ampliners).	June 25	June 25	2310
	TRADE-MARKS: RICHMOND, F. A.	Dec. 26	†June 6	10475
	DESIGNS: KALUPY, H. J.	Dec. 8	†July 18	6643

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE HERTHEL

No. 5,197. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 234]

1. PATENTABILITY—COMBINATION OF REFERENCES.

"It is entirely proper to consider a number of references to the prior art in connection with the allowance of patent claims. In such cases the question always is whether the prior art, including the subsidiary references, suggests doing the thing that the applicant has done."

2. SAME—SHOWING OF UNEXPECTED SUPERIORITY.

Where appellant contended that his process for producing light viscous oils from heavy viscous oils results in a significantly higher yield than the yield obtainable by the processes disclosed in two cited patents, *Held* that "it was incumbent upon appellant to establish his position by a proper showing of unexpected superiority over the product of the art of record."

3. SAME—PRODUCTION OF LIGHT VISCOUS OILS.

Claims to a process for producing light viscous oils from heavy viscous oils *Held* unpatentable over the prior art, even though appellant may have obtained better results, since "what appellant has done would be obvious to any person skilled in the art after he had examined the collective references."

APPEAL from the Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds (*Mr. Louis D. Forward and Mr. Clarence M. Fisher* of counsel) for Herthel.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 1, 2, 3, and 4 in appellant's application for a patent directed to a method for "certain new and useful improvements in lubricating oils" particularly adapted for producing light viscous oils from heavy viscous oils.

There were no claims allowed and appellant petitioned the Board requesting a reconsideration of its decision. The petition was granted and the grounds of rejection were reconsidered, but the Board declined to make any change in its original decision.

Claims 1 and 4 are illustrative—

1. In the production of light viscous oils from heavy viscous oils, the improvement which comprises subjecting a liquid charge of the heavy stock to mild cracking for a prolonged period in a digestion and distillation vessel, vaporizing the light stock from said charge as fast as formed and withdrawing the vapors from said vessel, and supplying the heat for decomposition and vaporization by indirect heat transfer from a heating medium circulated through said charge in said vessel at a temperature of the same order as that of the charge.

4. In the production of light viscous oils from heavy viscous oils, the improvement which comprises subjecting a liquid charge of the heavy stock to mild cracking for a prolonged period in a digestion and distillation vessel, while restricting thermal circulation in said vessel and avoiding liquid depths within said charge great enough to have any substantial pressure effect upon parts of the charge furthest below the liquid surface, vaporizing the light stock from said charge as fast as formed and withdrawing the vapors from said vessel, and supplying the heat for decomposition and vaporization by indirect heat transfer from a heating medium circulated through said charge in said vessel at a temperature of the same order as that of the charge.

The Examiner cited the following references—Penniman, 1,459,515, June 19, 1923; Brown, 1,528,968, March 10, 1925; Werner, 1,669,182, May 8, 1928; Pew, Jr., et al., 1,825,976, October 6, 1931; Pew, Jr., et al., 1,935,953, November 21, 1933; Nelson et al., 1,990,664, February 12, 1935; Wagner et al., 2,155,745, April 25, 1939.

The alleged invention was described as follows by the Examiner with numerical references to the drawings which illustrate apparatus for carrying out the combined operation of appellant's process:

This process involves mild cracking of heavy viscous oils to make light viscous oil of the nature of neutral (lubricating) oil.

A heavy viscous oil (noting Fig. 1) is heated in digestion zone 4 by indirect heat exchange with a heating medium such as gas oil or diphenyl which is circulated in a closed cycle from heater 7 to coils 5 located in the digestion zone and back to the heater. The heating medium is heated to about 725–750° F. if the heavy viscous oil is heated to the desired temperature of 700–725° F. The vapors are removed from 4 [digestion and distillation vessel] as fast as formed and fractionated in 15 [fractionating tower] into various fractions. The pressure in 4 is preferably maintained at subatmospheric either by a vacuum pump or by the use of steam introduced at 14. The oil may be heated in 4 at the cracking temperature of 700–725° F. for as long as 4 or 5 hours but generally 10–20 minutes is preferred.

As pointed out by the Examiner, the applicant discloses three different methods of heating the oil. In one, the coils of the heating medium merely extend through the pool of oil. In another, baffles are arranged through at spaced points to restrict thermal circulation, and in the third, shallow heated pools are provided by having pans or plates over which the oil passes from pan to pan, each being heated by coils. "The reason for the shallow pools," the Examiner states, "is apparently to prevent a pressure head due to a deep pool of oil."

Claims 1, 2, and 3 were rejected by the Examiner on the ground that they were "unpatentable over Nelson or Wagner in view of Brown, Penniman, Pew (1,935,953) or Werner." Claim 4, which alone contains the further limitation of using small liquid depths in a digestion and distillation vessel, was rejected by the Examiner as "unpatentable over Nelson or Wagner in view of Brown, Pew (1,935,953) or Werner for reasons applied to claims 1–3." In his final rejection, the Examiner stated:

In summary, it is pointed out that Nelson and Wagner disclose cracking a heavy viscous oil to form a lighter viscous oil for lubricants. That no critical differences exist between applicant's process and their processes such as temperatures, pressure and time except the method of heating the oil. And the method of heating is very old and very well known. No unexpected or unpredictable result has been achieved by merely replacing the method of Nelson or Wagner heating by that shown by the supporting art. It is therefore submitted that the final rejection is proper and should be sustained.

The Board of Appeals in its decision substantially agreed with the reasoning and conclusions of the Examiner. It held, however, that the patent to Brown was not pertinent, and the patent to Werner,

while pertinent, was cumulative. It further held that the patent to Pew et al., No. 1,825,976, was cumulative with Penniman.

Appellant does not deny that Nelson et al. and Wagner et al., the principal references, disclose a process of cracking a heavy viscous oil to obtain a lighter viscous oil for lubricants, or that indirect heating had been used in the prior art in processes which involved the cracking of oil. Appellant contends, however, that none of the secondary references, in its entirety, discloses the heating method, or the equivalent thereof, described in appellant's specification and called for in the combination defined by the claims on appeal.

[1] The fact that no single reference in its entirety discloses the heating method claimed by appellant is not a decisive factor in this case. Under the rule established by this court, it is entirely proper to consider a number of references to the prior art in connection with the allowance of patent claims. In such cases the question always is whether the prior art, including the subsidiary references, suggests doing the thing that the applicant has done. *In re Stover*, 32 C. C. P. A. (Patents) 823, 146 F.(2d) 299, 64 USPQ 186, 573 O. G. 367; *In re Merkle*, 32 C. C. P. A. (Patents) 1151, 150 F.(2d) 445, 66 USPQ 165, 581 O. G. 349.

It may be true that the secondary references are not identical in detail with the disclosure of appellant but in our opinion they suggest doing the thing that appellant has done. Penniman claims an apparatus, but the specification shows a method of heating and cracking oil that is suggestively similar to the operation of the arrangement defined by appellant. Penniman provides means for the thermal circulation of oil, the use of baffles, and the cracking of oil by heat exchange with a heating medium circulated through the charge of oil in a vessel.

If the steam in Penniman is not maintained at a regulated temperature and is not of the same "order" as the temperature of the charge, as argued by appellant, that feature of the process is disclosed in both the cited patents to Pew et al. On this point the Solicitor for the Patent Office correctly states in his brief—

> The Pew et al. Patent 1,935,953 also discloses supplying heat for the vaporization of an oil by indirect heat transfer from a heating medium (mercury) circulated through the charge at a temperature of the same order as that of the charge * * *. The patentees state that it is possible "in our process to effect such vaporization without raising the temperature of the mercury vapor much above the temperature of vaporization of the oil, owing to the very small required temperature difference between the heating and the heated media that is possible where mercury vapor is the heating medium."

Claim 4, which refers to the depth of the charge, is a feature also disclosed by Pew et al. and, as stated by the Board, the claim is unpatentable for the reasons applied to claims 1 to 3.

Appellant also contends that by comparison his process results in a significantly higher yield than the yield obtainable by the processes disclosed in Nelson et al. and Wagner et al., "and that this circumstance is made evident by the specific operation described in detail in appellant's specification." Based on his reasons of appeal, appellant argues that an important factual error was committed by the Board "in holding that there is nothing in applicant's specification indicating that applicant obtains higher yields than Nelson et al. or Wagner et al."

In its decision on appellant's petition for reconsideration, the Board stated that "Wagner's output was 60–90% of low viscosity oil. However, appellant explains in his brief that this yield of 90% prior to reduction corresponds to a yield of only 72% in the terms of the final product after reduction, and that this value of 72% should be compared with the 83.6% produced by appellant's process.

[2] It was incumbent upon appellant to establish his position by a proper showing of unexpected superiority over the product of the art of record. *In re Swenson et al.*, 30 C. C. P. A. (Patents) 809, 132 F.(2d) 1020, 56 USPQ 372, 549 O. G. 200. It is our opinion that the facts presented here do not constitute such a clear showing of superiority as to justify this court in overruling the concurring decisions of the tribunals of the Patent Office on the point in question.

Moreover, as correctly stated in the decision of the Board—

> The comparison of the lubricating oil yields by applicant's process and those of Wagner et al. or Nelson et al. is immaterial to the appeal as applicant's starting material is not the exact topped crudes of Wagner et al. or Nelson et al. * * *

It is our opinion that what appellant has done would be obvious to any person skilled in the art after he had examined the collective references hereinbefore noted, and for that reason appellant is not entitled to the allowance of the rejected claims even though he may have obtained better results. *In re Stover*, supra.

In view of our conclusion we deem it unnecessary to discuss and pass upon other points raised here by appellant, and the decision of the Board of Appeals is accordingly affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,308,072, P. H. Granger, Method of cementing oil wells, decided Aug. 14, 1946, claims 1 and 2.

Pat. 2,348,549, G. K. P. Kraft, Electroplated receptacles, decided Oct. 9, 1946, claim 1.

Pat. 2,383,813, H. S. Ogden, Electric motor control system, decided Oct. 7, 1946, claims 7, 8, and 9.

Pat. 2,367,434, D. G. Roos, Motor vehicle, decided Sept. 19, 1946, claims 1, 3, 6, 8, and 9.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,284,687, F. A. Howard, Process for the extraction of lighter hydrocarbons from heavier hydrocarbons, etc., D. C., S. D. N. Y., Doc. 25/416, *J. D. Driscoll et al.* v. *The Howard-Vaughan Co., Inc., et al.* Order dismissing action with prejudice (notice Oct. 1, 1946).

1,617,433, R. B. Beisel, Oil temperature regulator; 1,864,052, Dykeman & Watkins, same, D. C., S. D. Calif. (Los Angeles), Doc. 2266 O–C, *United Aircraft Products, Inc.*, v. *The Garrett Corp.* Stipulated judgment (notice Oct. 4, 1946).

1,630,596, P. Banff, Antiseptic adhesive tape, D. C., N. D. Ill., E. Div., Doc. 46c1269, *P. Banff* v. *The American White Cross Laboratories, Inc.* Dismissed Sept. 19, 1946.

1,777,399, J. H. Daukus, Friction clutch; 2,324,913, same, Clutch plate, C. C. A., 6th Cir., Doc. 10119, *G. I. Goodwin et al.* v. *Borg-Warner Corp. et al.* Petition for rehearing denied Sept. 23, 1946.

1,864,052. (See 1,617,433.)

1,899,777, N. M. Stanley, Lens, filed Sept. 25, 1946, D. C., S. D. Tex. (Houston), Doc. 2335, *The Univis Corp. et al.* v. *Modern Optics, Inc.*

1,918,603, M. H. Ittner, Process of making soap and glycerine; 2,084,446, H. W. Lorenz, same, filed July 1, 1937, D. C. N. J. (Newark), Doc. E5758, *H. Lorenz et al.* v. *Colgate-Palmolive-Peet Co.* Claims 1 to 19 of 1,918,603, and Patent 2,084,446 held invalid Oct. 1, 1946.

1,929,437, A. H. McComb, Drying and preserving process for fruits and vegetables; 2,284,913, same, Drying process, filed Sept. 12, 1946, D. C., S. D. Calif., N. Div., Doc. 515ND, *A. H. McComb et al.* v. *Naman-Krum Co.*

1,948,273. (See Re. 19,466.)

2,072,070, J. S. Fisher, Friction article and method of producing same; 2,191,460, same, Article of manufacture, C. C. A., 6th Cir., Doc. 10086, *The General Metals Powder Co.* v. *The S. K. Wellman Co. et al.* Decree affirmed Sept. 23, 1946.

2,084,446. (See 1,918,603.)

2,106,043, Urquhart & Urquhart, Method and apparatus for foam generating and distributing; 2,198,585, same, Tire extinguishing foam, D. C., E. D. Pa., Doc. 3149, *Pyrene Mfg. Co.* v. *R. M. Urquhart et al.* Certain claims held invalid, counterclaim dismissed Oct. 1, 1946.

2,191,460. (See 2,072,070.) 2,198,585. (See 2,106,043.)

2,224,412, S. V. Smith, Perforation cleaner for oil wells, filed July 15, 1946, D. C., S. D. Calif., (Los Angeles), Doc. 484ND, *B. & B. Oil Tool Co.* v. *McGill Tool Service et al.*

2,227,730, J. Lynes, Inflated packer treating tool for wells; 2,399,125, P. J. Lehnhard, Jr., Well packer, D. C., S. D. Tex. (Houston), Doc. 2192, *Lynes, Inc., et al.* v. *The Dow Chemical Co.* Order dismissing complaint July 30, 1946.

2,252,065, E. J. Culligan, Method and apparatus for treating water softeners, D. C. Minn. (Minneapolis), Doc. 1806, *E. J. Culligan et al.* v. *Northern Water Treatment Co.* Decree for plaintiff Oct. 4, 1946.

2,284,913. (See 1,929,437.)

2,320,327, J. F. Meduna, Application of spray metal to metal surfaces, D. C., S. D. Ohio, W. Div., Doc. 743, *Metallizing Engineering Co., Inc.*, v. *Buckeye Service & Supply et al.* Order dismissing cause for want of prosecution without prejudice Oct. 1, 1946.

2,322,045, A. Miller, Lamp shade, D. C., N. D. Ill., E. Div., Doc. 44c1154, *A. Miller* v. *B. F. Kral Co.* Consent judgment holding patent valid, injunction Sept. 10, 1946.

2,324,241, A. O. Schoeninger, Basket weave bracelet, filed Oct. 7, 1946, D. C. N. J. (Newark), Doc. 9022, *Forstner Chain Corp.* v. *Margrove Mfg. Co.*

2,324,913. (See 1,777,399.)

2,339,827, W. P. White, Closure cap and package, filed Oct. 4, 1946, D. C., N. D. Ohio, W. Div., Doc. 5573, *White Cap Co.* v. *Owens-Illinois Glass Co.*

2,350,023, O. G. Ferrier, Lapping machine for wire-drawing dies, filed Oct. 2, 1946, D. C., N. D. Ind. (Fort Wayne), Doc. 306, *O. G. Ferrier et al.* v. *Ajax Industrial Supplies, Inc.*

2,355,483, S. V. Swarr, Sr., Fire extinguisher, D. C. Minn. (Minneapolis), Doc. 2193, *F. E. S. Corp.* v. *Char-Lynn Co. et al.* Dismissed Oct. 2, 1946.

2,367,302, Moore & Kirchmeyer, Bisulphite derivatives of 2-methyl-1, 4-naphthoquinone and the like, D. C., N. D. Ill., E. Div., Doc. 45c1812, *Abbott Laboratories* v. *M. G. Farnsworth.* Consent judgment for injunction Sept. 12, 1946.

2,368,234. (See Re. 19,466.)

2,369,888, W. E. Fronk, Attachment for the steam heat conduit connections of railroad cars, filed Sept. 25, 1946, D. C. Utah (Salt Lake City), Doc. 1140, *W. E. Fronk et al.* v. *Southern Pacific Co.*

2,399,125. (See 2,227,730.)

Re. 19,466, G. A. Lyon, Ornamental ring for wheel rims; 1,948,273, same, Ornamental bead and method of applying same to a wheel rim; 2,368,234, same, Wheel structure; Des. 140,205, same, A wheel trim, filed Sept. 30, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1629, *G. A. Lyon et al.* v. *Warshawsky & Son.*

Re. 20,827, L. J. Leishman, Means and method for turning rotatable objects to predetermined positions, filed Sept. 20, 1946, D. C., S. D. Calif., C. Div., Doc. 5781–Y, *General Motors Corp.* v. *L. J. Leishman.*

Des. 139,596, R. H. Preas, Watch band, filed July 12, 1946, D. C., N. D. Calif., S. Div., Doc. 26195–G, *J. Calderwood* v. *Royal Engineering Co. et al.* (To correct error in 590 O. G., p. 364, formerly published as S. G. Robson, Barracks case.)

Des. 140,205. (See Re. 19,466.)

T. M. 146,210, De Met & Co., Candy, D. C., N. D. Ill., E. Div., Doc. 46c1475, *De Met's Inc.*, v. *Louis Tjikas et al.* Consent decree granting injunction Sept. 20, 1946.

T. M. 313,777, Rust-Oleum Paint Corp., Paint used as a rust preventative, D. C., N. D. Ohio, E. Div., Doc. 20385, *Rust-Oleum Corp. et al.* v. *The Passonno Hutcheon Co. et al.* Order dismissing complaint without prejudice Sept. 30, 1946.

Adjudicated Patents

(D. C. Del.) Heckert patent, No. 1,808,893, for an insecticide, claims 1 to 3 and 7 *Held* invalid and not infringed. *Hercules Powder Co.* v. *Rohm & Haas Co.*, 66 F. Supp. 899, 70 USPQ 297.

(D. C. Mass.) Hughes patent, No. 1,930,897, for a tuyère block, claims 1 to 6 *Held* invalid. *American Engineering Co.* v. *Stoker Castings & Service*, 66 F. Supp. 816, 64 USPQ 290.

(C. C. A. Wis.) Tower patent, No. 2,273,766, for water hammer arresters, *Held* invalid. *Water Hammer Arrester Corp.* v. *Tower*, 156 F.(2d) 775; 70 USPQ 277.

Order No. 4095

U. S. PATENT OFFICE, *Washington, D. C., Sept. 11, 1946.*

The classification of merchandise under the act of May 4, 1906, is hereby amended as follows:

The title of Class 45 is changed from "Beverages, nonalcoholic," to *Soft Drinks and Carbonated Waters.*

CASPER W. OOMS,
Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,398,726. HOCKEY GAME. Patented Apr. 16, 1946. Game board has inter-communicating grooves in which game pieces substituted for players slide in an irregular path between any two points on board. To make game more skillful, obstructing members are slidably mounted at selected points between two grooves and slide width of groove to clear obstructed groove and obstruct another groove. Two persons operate the respective teams with a referee to blow the whistle. Preferably played according to the rules of hockey. (Owner) Joseph O. Seguin, 1669A Laurier East, Montreal, Canada. Group 39—41. Reg. No. 4,199.

Pat. 1,842,654. CIGAR SUPPORT AND ASH TRAY. Patented Jan. 26, 1932. Groups 32—29; 33—73; 40. Reg. No. 4,200.

Pat. 1,880,752. ASH TRAY AND CIGAR REST. Patented Oct. 4, 1932. Groups 32—29; 33—73; 40. Reg. No. 4,201.

These two patents relate to the same general type of ash tray. It may be tightly and compactly folded like a cigarette case and carried in a vest pocket. When opened, two hinged trays lie flat with a cigar holder (which is smaller than either tray) supported in elevated position above both trays. The holder moves from elevated position to folded position upon opening or closing of the trays. Falling ashes from cigars or cigarettes placed on the holder will drop into the trays. (Owner) Albrecht Brandt, 119 Owendale Ave., Pittsburgh 10, Pa.

Pat. 2,260,404. TOILET SEAT AND COVER THEREFOR. Patented Oct. 28, 1941. Sanitary, flat cover, preferably made of absorbent sheet material for impregnation with medicaments, is easily attached to and detached from a seat and will not shift or tear while in use. At several points cover is partially slit so that it will adapt itself to the surface of the seat. Cover has tabs for handling. Seat is of conventional form, except that several inwardly facing hook portions for holding cover in place are integrally formed on the outer curved edge. These hooks are substantially flush with top of seat. (Owner) D. G. Richardi, 328 Central Ave., Jersey City 7, N. J. Groups 25—99; 26—91; 39—81. Reg. No. 4,202.

Pat. 2,393,451. PYROPHORIC LIGHTER. Patented Jan. 22, 1946. Cigarette lighter is provided with an arm which when pressed downwardly pivots a snuffer cap to expose wick and simultaneously rotates a wheel against the flint. Three wheels are positioned on the outside of the casing; one for tensioning the flint (which may be about an inch long) against the wheel as it wears down; another for moving the wick; and the third for pressing against side of the wick to control the passage of fluid through the wick or cut off the flow. Wick and flint are placed in tubes which are removably inserted in the casing. (Owner) Leo Astroff, P. O. Box 22, Kingston, Ontario, Canada. Group 39—99. Reg. No. 4,203.

Pat. 2,145,920. SAFETY RAZOR. Patented Feb. 7, 1939. This razor consists of a small case into which is fitted a hollow, prismatic, four bladed shaving head and a detachable handle. The handle is screwed into any side of the shaving head and the razor is assembled and ready for use. The whole unit is compact and easily slipped into the pocket. The blades are numbered at the factory and used in turn. The entire shaving head and blades may be discarded and a new replacement bought when blades become dull. The handle and case, however, are permanent parts. The whole unit is of simple manufacture, the usual blanking, stamping, being used. (Owner) Bernard E. Davis, 239 Prospect Place, Brooklyn 17, N. Y. Group 33—51. Reg. No. 4,204.

Pat. 2,399,545. ADHESIVE TAPE. Patented Apr. 30, 1946. In this patent, the conventional adhesive tape (usually sold in rolls or sheets) is made handier to use. The usual strip is perforated and provided with spaced nicks or cuts along each edge, and the adhesive backing (instead of being spread solidly) is applied in spaced rows, resulting in a considerable saving. These features offer several advantages: The nicks along the edges enable the user to tear the tape to a more exact length without the use of shears; the perforations not only allow the circulation of air but permit use of solutions in the treatment of sprains and swellings without removing the dressing; the spaced rows make strappings less painful to remove. (Owner) Bernard E. Davis, 239 Prospect Place, Brooklyn 17, N. Y. Group 39—16. Reg. No. 4,205.

Des. 144,842. DESIGN FOR A CALENDAR BLANK OR SIMILAR ARTICLE. Patented May 28, 1946. An ornamental design for a calendar which shows the number of veterans employed and the name and address of firm. (Owner) Cecilia R. Doherty, 623 West Fifth St., Los Angeles 13, Calif. Group 27—61. Reg. No. 4,206.

Pat. 2,397,773. CENTERING DEVICE FOR LATHES. Patented Apr. 2, 1946. Arranged around the periphery of the heavy disc which comprises the centering device are a number of tapered slots in which tapered dogs are mounted. The wedging action of the dogs acts to automatically center the device and hold the work securely in place. The disc is placed on the tailstock of a lathe and used to center stern tubes, pipes, etc. (Owner) Percy J. Beedle, Rt. 7, Box 1035, Portland 16, Oreg. Group 35—43. Reg. No. 4,207.

Des. 124,909. DESIGN FOR A GAME BOARD. Patented Jan. 28, 1941. (Owner) Hazel V. Walker, 507 West Lincoln, Caro, Mich. Group 39—41. Reg. No. 4,208.

Pat. 2,058,980. PROCESS FOR HYDRATING CAUSTICS AND DEHYDRATING HYDROUS SALTS. Patented Oct. 27, 1936. If during the reaction of caustic and hydrous salts (as in the making of plaster, etc.) water vapor is circulated through the tumbling mass by means of a carrier gas, a better product of finer texture will result. The usual heat of reaction, if conserved within the circulating apparatus, is adequate to carry on the full reacting process if no heat is lost by radiation, otherwise the atmosphere in circulation may be heated extraneously. (Co-owner) Anna W. Choate, County Road, Essex, Mass. Group 32—72. Reg. No. 4,209.

Pat. 2,021,412. REACTING CAUSTIC LIME WITH GYPSUM. Patented Nov. 19, 1935. Group 32—72. Reg. No. 4,210.

Pat. 2,063,488. PROCESS FOR REACTING CAUSTIC LIME AND GYPSUM. Patented Dec. 8, 1936. Group 32—72. Reg. No. 4,211.

These two patents relate to the formation of a more desirable building plaster which results from the initiation of the "temperature of reaction" by the application of heat to a small portion of a mixture of caustic lime and gypsum so that the reaction is extended throughout the whole mass. The process may be conducted in a container where heat may be applied at the bottom by a gas burner, steam jacket, etc. (Co-owner) Anna W. Choate, County Road, Essex, Mass.

Pat. 2,127,952. PROCESS OF MAKING REACTED PLASTER. Patented Aug. 23, 1938. Group 32—72. Reg. No. 4,212.

Pat. 2,261,872. CONTINUOUS PROCESS FOR MAKING REACTED PLASTER. Patented Nov. 4, 1941. Group 32—72. Reg. No. 4,213.

These two patents are similar to Patents 2,021,412, 2,058,980, and 2,063,488 in that they involve the utilization of heat by one substance of the heat thrown off by the other to insure a reaction between a caustic lime and hydrous gypsum mixture in the making of plaster. The process involves tumbling the mixture to insure looseness and proper aeration so that the reaction is even and complete. Patent 2,127,952 relates only to separate batches whereas Patent 2,261,872 pertains to a continuous process. The latter patent requires graduated feeding of the mixture, a moving atmosphere, a constant zone temperature in a series of hearths, etc. (Owner) Anna W. Choate, County Road, Essex, Mass.

Pat. 2,200,696. CHILD'S COAXER DISH. Patented May 14, 1940. A dish designed to arouse a child's curiosity and encourage eating. Removable inserts such as comics, nursery rhymes, etc. are housed in a flexible mount placed in groove below transparent bottom of dish. Mount is rotated to position by knob at center of plate and held in groove by tongues or latch plates located at diametrically opposite points. (Owner) Luke J. L'Heureux, 2360 St. Johns Ave., Jacksonville, Fla. Group 32—62. Reg. No. 4,214.

Des. 141,623. DESIGN FOR A WATER PRESSURE SPRAYER. Patented June 19, 1945. Design for a water pressure sprayer for garden hose which sweeps leaves and rubbish off lawns. Made of metal pipe with rubber or wooden handle and wooden or other bearing wheel. (Owner) Arthur E. Thompson, Box 68, Marysville, Calif. Group 33—59. Reg. No. 4,215.

Des. 137,502. DESIGN FOR A DEEP WATER FISHING TACKLE. Patented Mar. 21, 1944. An adjustable three pendant metal deep water fishing tackle. Provided with a wedge screw top for adjusting pendants to horizontal position when in use and releasing to vertical position for storing in tackle box. (Owner) Arthur E. Thompson, Box 68, Marysville, Calif. Group 39—49. Reg. No. 4,216.

Pat. 2,376,001. EQUALIZING TRAILER HITCH. Patented May 15, 1945. Hitch has one end connected to a knee-action type of wheel for supporting trailer and will move up and down for smooth operation. A large U-shaped channel member has its legs detachably connected to a trailer. A bar-like hitch is pivoted at its center to the curve of the U, with one end of the bar connected to the wheel. The other end of the bar may be connected to a towing vehicle by a conventional ball and socket universal joint. The wheel is large enough to normally hold both vehicles in alignment. (Owner) James E. Nogle, Rt. 6, Box 942-B, Phoenix, Ariz. Groups 37—99; 38—11. Reg. No. 4,217.

Pat. 2,399,221. SAFETY LANDING DEVICE. Patented Apr. 30, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Apparatus is designed to prevent direct transmission of shocks to a radio which is dropped by parachute from an aeroplane. The apparatus absorbs shock when parachute is opened and when apparatus strikes the ground. Two cylindrical casings are provided, the top one being detachably connected by bayonet slots to a watertight bulkhead at the top of bottom casing. Radio is resiliently and slidably supported in the lower casing. Before the apparatus is dropped from a plane the top casing is removed to permit the parachute and cushioning means to function. (Owner) Raymond L. Freas, 1012 Maple St., Conshohocken, Pa. Group 36—61. Reg. No. 4,218.

Pat. 2,385,791. MUFFLER. Patented Oct. 2, 1945. Groups 22—44; 23—X1. Reg. No. 4,219.

Des. 143,524. DESIGN FOR A MUFFLER. Patented Jan. 15, 1946. Groups 22—44; 23—X1. Reg. No. 4,220.

The scarf covered by Design Patent 143,524 and Patent 2,385,791 is substantially L-shaped and has a fitted neckline instead of the usual long straight shape associated with the ordinary scarf. It is worn by bringing one end across the other so that the throat is completely covered. The unusual design prevents the muffler from slipping and the fitted neckline eliminates the unsightly bulky appearance of heavy mufflers or scarfs when worn under the coat. (Owner) Harald P. Bye, 2254 Cathedral Ave. N. W., Washington, D. C.

Pat. 2,388,349. MOTOR VEHICLE IDENTIFICATION TAG HOLDER. Patented Nov. 6, 1945. Groups 33—73; 39—81. Reg. No. 4,221.

Pat. 2,396,757. MOTOR VEHICLE IDENTIFICATION TAG HOLDER. Patented Mar. 19, 1946. Groups 33—73; 39—81. Reg. No. 4,222.

The two patents listed above relate to a holder adjustable as to height and length which may be locked to prevent unauthorized removal of the tag. The holder, which comprises four plates adapted to slidably overlap, is provided with telescoping hook flanges at the edges for engaging tag. In Patent 2,388,349 a knob operates certain pinions and a vertical and a horizontal rack to slide the plates to and from tag-holding positions. A cap fits over and locks knob in position. In Patent 2,396,757, to simplify construction, the pinions and vertical rack are omitted. The horizontal rack is slidable through a key-hole slot for adjusting the length of the holder. A horizontal slot and an inclined cam slot in diagonally opposite plates register for vertical adjustment of the plates. The holder may be locked by passing the shackle of a lock through the key-hole slot. (Owners) Carl T. Storm and Louis H. Storm. Address correspondence to Carl T. Storm, 16 Barlum Tower, Detroit 26, Mich.

Pat. 2,399,876. TOY TRACK. Patented May 7, 1946. A track for a toy mechanical or electric train made of detachable interchangeable sections each with a recessed underside. A hook in recess of one span is latched to pin in adjacent span and form a bed for rail sections. The underside represents bridge spans. (Owner) William J. Martin, 7214 Church St., Swissvale, Pa. Group 39—41. Reg. No. 4,223.

Pat. 2,399,893. BOTTLE LUGGER. Patented May 7, 1946. Adjustable and collapsible holder for carrying bottles, jars, etc., of different height. It comprises two flat pieces of plywood or the like and a single piece of cord. The base piece has countersunk circular recesses to receive the bottom of the bottles and the top has circular openings to fit over and around the necks. The cord is looped longitudinally through holes in the base and passed sidewise into notched slots in the side edges of the top piece, the cord continuing upwardly above top piece to form a means for carrying holder. The cord is easily disconnected from top piece for placing the articles in the holder. (Owner) Rudolph Scholz, Rt. #1, Box 125-B, Dover, N. J. Groups 24—32; 25—54. Reg. No. 4,224.

Pat. 2,401,820. ELECTRIC ROLLER IRON. Patented June 11, 1946. Iron consists of an electrically heated, freely rotating cylindrical roller which is moved across the work by manipulating the handle. The iron is especially adapted to flat work, acting to smooth and dry the work with little effort on the part of the user. The roller may be used to squeegee and dry photographic prints in less time than it can be done with currents of warm air. (Owner) Herbert C. Fairley, 311 Cedar St., Pacific Grove, Calif. Groups 35—81; 39—12. Reg. No. 4,225.

Pat. 2,145,750. GAS HEATER FOR CURLERS. Patented Jan. 31, 1939. This patent relates to a gas heater for hair curling tongs. The heater consists of a frame slotted to receive the tongs. A gas burner is mounted under the slot at one end of the frame; a gas cock at the other in combination with an operating arm and tension spring which keeps the arm in raised position. The weight of the curler acts to open the gas cock. A pilot light is kept burning at all times. (Owner) Stanley Blenden, 108 Second Ave., Bradley Beach, N. J. Group 39—91 Reg. No. 4,226.

Pat. 2,401,107. ADJUSTABLE SPLINT. Patented May 28, 1946. Splint consists of a pair of toothed members in edge to edge relation. The construction allows the splint to be either locked against movement or manually shortened or lengthened when necessary. A feature of the invention is the provision of a strip of wrap-around material (canvas) having pockets into which the splints may be inserted. Straps prevent the canvas from unrolling and tapes are provided so that traction may be applied to the limbs. By simple adjustment, one or more splints may be used for fractured ribs, injuries to the chest, etc. (Owner) George Richmond, 242 Herzl St., Brooklyn, N. Y. Groups 25—99; 39—16. Reg. No. 4,227.

Des. 145,027. DESIGN FOR A DISPLAY CABINET OR SIMILAR ARTICLE. Patented June 18, 1946. Portable cabinet has several drawers in base, a central display section over which additional drawers and a tray are positioned. (Owner) Stephen Kassovic, 542 Crosat St., La Salle, Ill. Group 25—41. Reg. No. 4,228.

Pat. 2,293,367. BUS. Patented Aug. 18, 1942. This patent relates to a compact arrangement of seats in a double-deck bus. In one form, the intermediary floor is omitted. The seats in the lower tier are built on the main floor (as in any other bus) while the seats in the upper tier are attached to posts. A platform built between the posts at a level below the seats permits passengers to rest their feet. The seats in the upper tier are spaced to allow comfortable head room for passengers in the lower tier. The aisle height is the full height of the bus. Ladders provide access from aisle to upper seats. Ladders slide in slots of post and by a sash weight arrangement are pulled to upper tier when not in use. (Owner) Patents Promotions Corporation. Address correspondence to Samuel J. Stanton, 188 W. Randolph St., Chicago, Ill. Group 38—22. Reg. No. 4,229.

Pat. 2,363,795. HOT-WATER HEATING SYSTEM. Patented Nov. 28, 1944. System may be installed in any home or building where compactness is desirable. The water may be circulated through the system in a normal direction, but in the preferred form of the invention it is circulated in a reverse direction. Two risers are connected to the underside of a tank. As water flows downwardly from the tank (which is only partially filled at all times) it is highly heated midway down the riser by a perforated heating coil interwound with a water coil and caused to circulate through the system before returning to the tank. Circulation is forcibly effected by a helical impeller placed inside the return riser to lift and dump the water into the tank. After water is initially introduced into the system the supply is cut off and any water lost by evaporation is automatically replenished by a needle valve controlled by a float inside the tank. The system requires only a small high speed motor to drive the impeller. Inventor has circulars available for distribution on request. (Owner) Maxim Kronfeld, 1244 Stratford Ave., New York 59, N. Y. Groups 33—65; 36—19. Reg. No. 4,230.

Pat. 2,395,752. BATHS COMBINED OR ASSOCIATED WITH LAVATORY BASINS. Patented Feb. 26, 1946. The tub and superimposed basin, although separately constructed, are designed so that after installation they appear as an integrally formed unit of modern, attractive appearance with all pipes concealed from view. Basin extends higher than tub and may be mounted either longitudinally or transversely over end of tub. A single set of supply and waste pipes, preferably fitted to basin at time of manufacture, may be for both tub and bath. A swiveled valve in basin admits hot or cold water, or a mixture thereof, from a mixing pipe into the basin, or diverts it to tub through a concealed channel in basin. The panel, which shields front of basin, is removable to conceal and provide access to pipes, and it has a curved offset so that user of basin will not mar tub. (Owners) Percy Nuckey and Robert J. Scott. Address correspondence to Jarvis C. Marble, 500 Fifth Ave., New York 18, N. Y. Group 33—61. Reg. No. 4,231.

United States Government Owned Patent

The following patent, owned by the United States Government, as represented by the Secretary of the Interior, is available for licensing, upon a non-exclusive, royalty-free basis:

Pat. 2,407,651. CONCENTRATING FLUORSPAR BY FROTH FLOTATION. Patented Sept. 17, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757). This patent relates to an economical process for separating fluorspar from calcareous gangue materials such as calcite or limestone. The crushed ore is conditioned with lignin sulphonate used in conjunction with an additional agent (such as sodium fluoride) and a fatty acid collector agent (such as oleic acid). A pH modifying agent and slime dispersant may be used if desired. The pulp is then froth floated by usual mechanical or pneumatic methods to yield an enriched fluorspar froth and a tailings product essentially free of fluorspar and containing the gangue material. The froth is then repulped with additional water and refloated to recover the fluorspar and reject the remaining gangue material. An additional cleaning step is sufficient to yield a fluorspar concentrate of desired commercial grade. Various modifications and examples cited. Groups 28—34; 32—95. Reg. No. 4,232.

Regulations under which licenses are granted are issued by the Secretary of the Interior. Applications for licenses should be made to the Solicitor, Department of the Interior, Washington 25, D. C.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 5, 1946

[VOL. 592. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

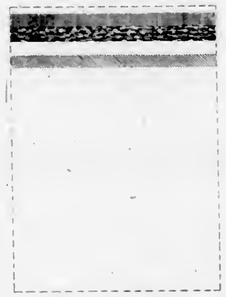
Ser. No. 494,771. ALFRED AUFHAUSER, doing business as Industrial Raw Materials Company, New York, N. Y., assignor to Industrial Raw Materials Corp., New York, N. Y., a corporation of New York. Filed Jan. 15, 1946.

CERASNOW

FOR PETROLEUM WAX IN POWDERED FORM, AS A RAW MATERIAL USED AS AN INGREDIENT IN POWDER METALLURGY AND IN THE MANUFACTURE OF WALL BOARDS, INKS, PACKAGING MATERIALS, COSMETICS, PERFUMES, PAINTS, CANDLES, FLOOR AND FURNITURE POLISHES, AND THE LIKE.

Claims use since November 1945.

Ser. No. 499,887. ASSOCIATED SEED GROWERS, INC., doing business as Asgrow Export Corporation, New Haven, Conn. Filed Apr. 9, 1946.



Applicant is the owner of Reg. No. 299,969 and Reg. No. 410,189. The outline of the packet shown is disclaimed. The trade-mark consists of a band comprising an upper stripe of red, a second stripe of yellow below the first, a third stripe of white below the second, and a fourth stripe of green below the third, said band running across the face of the seed packet adjacent the upper end of the packet and similarly located on the label or tag.

FOR GARDEN AND FIELD SEEDS, BULBS, AND PLANTS.

Claims use since Apr. 4, 1946.

CLASS 2

RECEPTACLES

Ser. No. 491,572. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Nov. 14, 1945.

I.P.C.O.

FOR BOXES MADE OF PAPER BOARD.

Claims use since Apr. 15, 1945.

Ser. No. 491,701. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Nov. 16, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Bemis."

BEMISAX

FOR FABRIC AND PAPER BAGS AND SACKS FOR CONTAINING PULVERIZED OR GRANULAR MATERIAL AND THE LIKE.

Claims use since July 1, 1929.

Ser. No. 493,294. SONOCO PRODUCTS COMPANY, Hartsville, S. C. Filed Dec. 14, 1945.

SONOCO

SERVES THE WORLD

PAPER CARRIERS

No claim is made to the representation of the cone, the tube, or the words "Paper Carriers," apart from the mark.

FOR PAPER CARRIERS FOR YARN OR OTHER MATERIAL.

Claims use since Apr. 1, 1939.

Ser. No. 508,865. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass.. Filed Sept. 11, 1946.

OSAGE

FOR PAPER BAGS.
Claims use since July 27, 1946.

Ser. No. 508,942. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Sept. 12, 1946.

UNION
REINDEER

FOR PAPER BAGS.
Claims use since 1920.

Ser. No. 509,293. MARTIN STEEL PRODUCTS CORPORATION, Mansfield, Ohio. Filed Sept. 18, 1946.

HAYMAKER

FOR HAY STORAGE BINS.
Claims use since September 1938.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 498,706. MARK CROSS COMPANY, New York, N. Y. Filed Mar. 21, 1946.

AIRBORNE

FOR SUITCASES.
Claims use since Mar. 14, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 471,128. NU-PRO MANUFACTURING COMPANY, St. Louis, Mo. Filed June 10, 1944.

MAGIC
INKSTICK

No claim is made to the word "Inkstick" apart from the mark.
FOR CLEANING STICKS MADE OF A DETERGENT MATERIAL FOR CLOTHING AND THE LIKE.
Claims use since May 1, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 471,024. THE DILL COMPANY, Norristown, Pa., assignor to Killer Diller Corporation, Milwaukee, Wis., a corporation of Wisconsin. Filed June 8, 1944.

KILLER
DILLER

No registration rights are claimed for the word "Killer" apart from the mark.
FOR INSECTICIDES.
Claims use since Apr. 13, 1944.

Ser. No. 488,115. PARFUMERIE FRAGONARD G. FUCHS ET CIE, Paris, France. Filed Sept. 7, 1945.

EVERNIA

FOR PERFUMES.
Claims use since 1935.

Ser. No. 490,085. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 17, 1945.

'IRILAVE'

FOR ANTIBACTERIAL PREPARATION, PARTICULARLY FOR TREATMENT OF EYE INFECTIONS.
Claims use since Sept. 25, 1945.

Ser. No. 490,358. ALBERT F. A. BECK, doing business as Beck Products Company, Pittsburgh, Pa. Filed Oct. 23, 1945.



FOR COLD SORE LOTION.
Claims use since February 1938.

Ser. No. 490,903. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Nov. 1, 1945.

UNIBASE

FOR UNIVERSAL OINTMENT BASE, A MEDIUM FOR CARRYING MEDICATION IN OINTMENT FORM.
Claims use since Oct. 3, 1945.

Ser. No. 491,633. THE DE PREE COMPANY, Holland, Mich. Filed Nov. 15, 1945.

PIED-PIPER



FOR PRODUCT IN POWDERED FORM FOR USE IN THE EXTERMINATION OF RATS AND MICE.
Claims use since Mar. 1, 1945.

Ser. No. 492,565. KNOX CHEMICAL COMPANY, Chicago, Ill. Filed Dec. 3, 1945.

KACECO
FUME-O-DEATH
INSECTICIDE

Applicant disclaims exclusive use of the words "Fume-O-Death Insecticide" apart from the mark.
FOR INSECTICIDES.
Claims use since Sept. 15, 1944.

Ser. No. 494,509. LINCOLN DRUG CO., INC., Fort Wayne, Ind. Filed Jan. 9, 1946.

CAPER

FOR FOOT LOTION.
Claims use since Nov. 1, 1945.

Ser. No. 494,521. PARFUMERIE DE RAYMOND, New York, N. Y. Filed Jan. 9, 1946.

MAN
Alive

Applicant disclaims the exclusive right to the use of the word "Man" apart from the mark.
FOR TOILET PREPARATIONS AS FOLLOWS: DEODORANT, AFTER-SHAVING LOTION, COLOGNE, TALCUM POWDER, AND HAIRDRESSING.
Claims use since Dec. 5, 1945.

Ser. No. 494,926. DEAN MILTON SCHLARBAUM, doing business as A-1 Remedy Company, Albuquerque, N. Mex. Filed Jan. 17, 1946.



GERM-O-TONE

No claim is made to the word "Germ" apart from the mark.
FOR MEDICINAL COMPOUND FOR THE PREVENTION AGAINST AND REMOVAL OF INTESTINAL WORMS FROM POULTRY, LIVESTOCK, AND DOGS; AND AID AGAINST LICE, MITES, BLUEBUGS AND FLEAS ON POULTRY, DOGS AND LIVESTOCK; AID IN THE PREVENTION OF DIARRHEAS, COCCIDIOSIS, AND OTHER INTESTINAL TROUBLES IN POULTRY, RABBITS, DOGS, AND LIVESTOCK; FOR SOREHEAD AND ROUP IN POULTRY; BITES, STINGS, PRICKLY HEAT, RASH, ITCHING, AND MINOR IRRITATIONS OF THE SKIN IN HUMANS; EAR CANKERS AND SORE HOCKS IN RABBITS.
Claims use since Jan. 1, 1940.

Ser. No. 495,351. JOHN PETER WILDE, doing business as Parfums D'Artimon, New York, N. Y. Filed Jan. 24, 1946.

Deep Water

FOR PERFUME, EAU DE COLOGNE, AND LOTION VEGETALE.
Claims use since Nov. 18, 1943.

Ser. No. 497,037. NOVELTY MFG. & SALES CORP., Charlotte, N. C. Filed Feb. 21, 1946.



The word "Bubbles" is disclaimed except in the combination shown.
FOR CHEMICAL SOLUTION FOR PRODUCING BUBBLES FOR AMUSEMENT AND SCIENTIFIC PURPOSES.
Claims use since Feb. 13, 1946.

Ser. No. 497,279. TEASDALE & CO: LIMITED, Carlisle, England. Filed Feb. 26, 1946.



No claim is made to the legend "Voice, Throat & Chest Pastilles Manufactured by Teasdale & Co. Ltd., Carlisle, England," appearing on the front of the design, apart from the mark.
FOR MEDICATED SWEETMEATS FOR THE RELIEF OF THROAT AND CHEST IRRITATION.
Claims use since Apr. 7, 1942.

Ser. No. 497,978. SOCIÉTÉ D'ETUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris, and Asnieres, near Paris, France. Filed Mar. 9, 1946.

DINGO

FOR PERFUMES.
Claims use since Nov. 16, 1945.

Ser. No. 498,198. ASSOCIATED PRODUCTS, INC., Chicago, Ill. Filed Mar. 14, 1946.

SUN FUN

Application disclaims the word "Sun" apart from the mark.
FOR SUNTAN LOTION, FABRIC PADS IMPREGNATED WITH SUNTAN LOTION, IMPREGNATED PADS FOR REMOVING NAIL LACQUERS, CLEANSING PADS IMPREGNATED WITH LOTION, CAKE MAKE-UP IN LIQUID AND SOLID FORM, NAIL LACQUER, LIPSTICKS AND DEODORANT PADS.
Claims use since Feb. 13, 1945.

Ser. No. 498,390. GEORGE S. BREHM, doing business as Hygienic Sanitation Co., Philadelphia, Pa. Filed Mar. 18, 1946.

DIXO

FOR INSECTICIDE, DISINFECTANT, AND DEODORANT.
Claims use since July 1, 1923.

Ser. No. 498,393. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Mar. 18, 1946.

STEROX

FOR HERBICIDES.
Claims use since Feb. 25, 1946.

Ser. No. 498,461. STEPHEN E. RILEY, doing business as Stephen Riley Company, Los Angeles, Calif. Filed Mar. 18, 1946.

Rub-a-dub-dub

FOR BUBBLE BATH PREPARATION.
Claims use since Oct. 15, 1945.

Ser. No. 498,591. CLINTON INDUSTRIES, INC., Clinton, Iowa. Filed Mar. 20, 1946.

CLINTOSE

FOR REFINED CORN SUGAR, USED IN THE MANUFACTURE OF GLASSINE PAPER, TEXTILES, AND PHARMACEUTICALS.
Claims use since June 1936.

Ser. No. 498,891. ETNA CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 25, 1946. Under 10-year proviso.

JOHNSON'S
AMERICAN
ANODYNE LINIMENT

FOR LINIMENT.
Claims use since 1866.

Ser. No. 499,183. WINTHROP CHEMICAL COMPANY INC., New York, N. Y. Filed Mar. 28, 1946.

ARALEN

FOR ANTI-MALARIAL PREPARATION.
Claims use since Mar. 8, 1946.

Ser. No. 500,135. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 12, 1946.

BOVITHRICIN

FOR ANTIBACTERIAL PREPARATION.
Claims use since Mar. 22, 1946.

Ser. No. 500,137. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 12, 1946.

TYROZETS

FOR LOZENGE OR TROCHE, PARTICULARLY AN ANTISEPTIC LOZENGE OR TROCHE.
Claims use since Mar. 14, 1946.

Ser. No. 500,159. AMAROSA CO. INC., New York, N. Y. Filed Apr. 13, 1946.

Realm

FOR HAIR DRESSING.
Claims use since Nov. 28, 1945.

Ser. No. 500,253. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif. Filed Apr. 15, 1946.

RESIDOL

FOR INSECTICIDE.
Claims use since Mar. 8, 1946.

Ser. No. 500,529. HARRY I. DORN, doing business as Leon Hirsh & Son, New York, N. Y. Filed Apr. 19, 1946.

EVANGELINE

FOR LIQUID TOILET PREPARATIONS, AS FOLLOWS: EAU DE COLOGNE, ASTRINGENT, SKIN FRESHENER, BAY RUM, QUININE HAIR TONIC, LILAC FACE LOTION, AND AFTER BATH LOTION.
Claims use since 1924.

Ser. No. 505,141. CONSOLIDATED COSMETICS, Chicago, Ill. Filed July 1, 1946.

TABU

FOR INCENSE AND PERFUMED BURNING OILS.
Claims use since Apr. 24, 1946.

Ser. No. 505,339. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed July 10, 1946.

SUSPENSION
ESKAY

No claim is made to the word "Suspension" apart from the mark.
FOR PHARMACEUTICAL PREPARATIONS—NAMELY, SULFONAMIDE PREPARATION.
Claims use since June 8, 1944.

CLASS 8
SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 499,674. VENETIAN BRIAR PIPE CO., Brooklyn, N. Y. Filed Apr. 4, 1946.

VOLCANO

FOR SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS.
Claims use since Feb. 1, 1945.

CLASS 11
INKS AND INKING MATERIALS

Ser. No. 488,434. H. M. STORMS CO., Brooklyn, N. Y. Filed Sept. 13, 1945.

Immaculate

FOR CARBON PAPER.
Claims use since June 27, 1945.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 505,202. HIGGINS, INC., New Orleans, La. Filed July 8, 1946.

"ENDURONITE"

FOR PLYWOOD FOR BOAT SIDES, DECKING, BOAT BOTTOMS, PANELING, BULK HEADS, AND FOR HOUSING CONSTRUCTION FOR FLOORS AND PANELING.
Claims use since May 1945.

Ser. No. 505,873. VIKON TILE CORPORATION, Washington, N. J. Filed July 18, 1946.

VIKON

FOR METAL TILES.
Claims use since June 28, 1946.

CLASS 13
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 497,518. GLENN R. WHITNEY, Chicago, Ill. Filed Mar. 1, 1946.

HYDRO-MISER

Applicant disclaims exclusive use of the word "Hydro" apart from the mark.
FOR WATER PRESSURE REGULATORS.
Claims use since Feb. 9, 1946.

Ser. No. 497,794. GUSTIN-BACON MANUFACTURING COMPANY, Kansas City, Mo. Filed Mar. 7, 1946.

FLEXIGRIP

FOR METALLIC TUBE FITTINGS.
Claims use since Feb. 25, 1946.

Ser. No. 499,353. HOMER T. SEALE CO., Los Angeles, Calif. Filed Mar. 30, 1946.

SEALCO

FOR SHOWER HEADS.
Claims use since Feb. 6, 1946.

CLASS 14
METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 494,642. WESTLECTRIC CASTINGS INC., Los Angeles, Calif. Filed Jan. 11, 1946.



FOR STEEL CASTINGS.
Claims use since Jan. 2, 1933.

CLASS 16
PAINTS AND PAINTERS' MATERIALS

Ser. No. 494,471. UNION CHEMICAL & OIL CO., Chicago, Ill. Filed Jan. 8, 1946.

Min-Ra-Lite

FOR WATERPROOF ROOF PAINT.
Claims use since May 1937.

Ser. No. 497,671. JOHN W. MASURY & SON, INC., Baltimore, Md. Filed Mar. 5, 1946. Under section 5b of the act of 1905 as amended in 1920.

MASURY

FOR PAINTS (READY MIXED, LIQUID, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND WOOD FILLERS.
Claims use since Nov. 24, 1895.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 485,531. LOCKLEY MACHINE COMPANY, New Castle, Pa. Filed July 7, 1945.



Applicant disclaims the expression "Lockley Machine Co." apart from the mark.
FOR ELECTRICALLY DRIVEN GARBAGE GRINDERS FOR APPLICATION TO THE DRAIN OUTLET OF A KITCHEN SINK.
Claims use since June 14, 1945.

Ser. No. 491,964. DIAL LIGHT COMPANY OF AMERICA, INC., New York, N. Y. Filed Nov. 21, 1945.

DIALCO

FOR ELECTRIC PANELBOARD PILOT AND SIGNAL LIGHT UNITS.
Claims use since 1939.

Ser. No. 492,576. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Dec. 3, 1945.

GRAY LABEL

Applicant disclaims any exclusive right to the use of labels colored gray.
FOR DRY BATTERIES.
Claims use since March 1923.

Ser. No. 498,688. CUB WATER HEATER CORPORATION, Chicago, Ill. Filed Mar. 21, 1946.



FOR ELECTRIC WATER HEATERS.
Claims use since Jan. 2, 1946.

Ser. No. 498,811. B. & P. SWIFT LIMITED, Ealing and London, England. Filed Mar. 22, 1946.



FOR ELECTRICAL MACHINES FOR CUTTING, GRINDING, MASHING, PEELING, KNEADING, OR GRATING FOOD.
Claims use since October 1938.

Ser. No. 500,505. THE WHITNEY BLAKE COMPANY, Hamden and New Haven, Conn. Filed Apr. 18, 1946.

TELEPLATE

FOR INSULATED ELECTRIC WIRE.
Claims use since Mar. 22, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 489,999. WALTHER WALSS, Tessin, Switzerland. Filed Oct. 15, 1945.

WAKOUWA

FOR TOY ANIMALS AND FIGURES.
Claims use since January 1926.

Ser. No. 493,126. KELMAR CORPORATION, Milwaukee, Wis. Filed Dec. 12, 1945.

POW'R HOUSE

FOR TOY ELECTRIC MOTOR ASSEMBLY KITS.
Claims use since Nov. 16, 1945.

Ser. No. 495,884. K & B MANUFACTURING CO., Los Angeles, Calif. Filed Feb. 2, 1946.

TORPEDO

FOR TOY GASOLINE ENGINES.
Claims use since July 1, 1939.

Ser. No. 497,561. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 2, 1946.

RICH UNCLE

FOR GAME PLAYED WITH CARDS.
Claims use since Jan. 28, 1946.

Ser. No. 500,575. ROYAL MANUFACTURING CO. OF DUQUESNE, Chicago, Ill., now by change of name, Royal Pharmacal Company. Filed Apr. 19, 1946.

HUBA-HUBA

FOR LIQUID AND A DEVICE FOR PRODUCING BUBBLES FOR ENTERTAINMENT.
Claims use since Mar. 15, 1946.

Ser. No. 500,700. ROYAL OAK INDUSTRIES, INC., Royal Oak, Mich. Filed Apr. 22, 1946.

Troll-A-Lure

Applicant disclaims the word "Troll" apart from the mark.
FOR FISHING ROD SUPPORTS AND HOLDERS.
Claims use since Jan. 15, 1946.

Ser. No. 505,498. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Filed July 12, 1946.

STORK BABY

No claim is made to the word "Baby" apart from the mark.
FOR DOLLS.
Claims use since June 24, 1946.

Ser. No. 505,888. JOSEPH V. BRENNAN, Chicago, Ill. Filed July 19, 1946.

CLICKO

FOR GAME UTILIZING DICE AND SPECIALLY DESIGNED CARDS.
Claims use since June 15, 1946.

Ser. No. 506,120. PACIFIC OUTDOOR PRODUCTS, INC., Seattle, Wash. Filed July 23, 1946.



The representation of the male figure is fanciful.
FOR FISHING RODS, FISHING ROD BUTTS, AND FISHING REELS.
Claims use since July 10, 1946.

Ser. No. 506,121. PACIFIC OUTDOOR PRODUCTS, INC., Seattle, Wash. Filed July 23, 1946.

Phantom-Brake

The word "Brake" is disclaimed separate and apart from the mark.
FOR FISHING REELS.
Claims use since July 10, 1946.

Ser. No. 506,122. PACIFIC OUTDOOR PRODUCTS, INC., Seattle, Wash. Filed July 23, 1946.

"FOR YOUR FISHING FINESSE"

The word "Fishing" is disclaimed separate and apart from the mark.
FOR FISHING REELS.
Claims use since July 10, 1946.

Ser. No. 508,816. RAIN-BEAU PRODUCTS COMPANY, Canton, Mass. Filed Sept. 10, 1946.

NYSPIN

FOR FISHING LINES.
Claims use since Aug. 12, 1946.

Ser. No. 508,817. RAIN-BEAU PRODUCTS COMPANY, Canton, Mass. Filed Sept. 10, 1946.

NYFLY

FOR FISHING LINES.
Claims use since Aug. 12, 1946.

Ser. No. 508,818. RAIN-BEAU PRODUCTS COMPANY, Canton, Mass. Filed Sept. 10, 1946.

NYCUTTY

FOR FISHING LINES.
Claims use since Aug. 12, 1946.

Ser. No. 508,819. RAIN-BEAU PRODUCTS COMPANY, Canton, Mass. Filed Sept. 10, 1946.

NYTWINE

FOR FISHING LINES.
Claims use since Aug. 12, 1946.

Ser. No. 508,820. RAIN-BEAU PRODUCTS COMPANY, Canton, Mass. Filed Sept. 10, 1946.

NYFLEX

FOR FISHING LINES.
Claims use since Aug. 12, 1946.

Ser. No. 508,833. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Sept. 11, 1946.

ANNIVERSARY

FOR BILLIARD TABLES.
Claims use since Mar 19, 1946.

Ser. No. 509,005. IDEAL NOVELTY & TOY CO., Hollis, N. Y. Filed Sept. 13, 1946.

MAGIC PHONE

No claim is made to the word "Phone" apart from the mark.
FOR TOY TELEPHONES.
Claims use since May 13, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 490,663. FRANK A. JOHNSON, doing business as Frank Johnson Products, San Francisco, Calif. Filed Oct. 29, 1945.

"KO"

FOR BISCUIT AND COOKIE CUTTER.
Claims use since Dec. 18, 1940.

Ser. No. 493,197. KOEHRING COMPANY, Milwaukee, Wis. Filed Dec. 13, 1945.

KOEHRING HEAVY DUTY CRUISER CRANE

No claim is made to the words "Koehring," "Heavy Duty" and "Crane" apart from the mark.
FOR PORTABLE OR LOCOMOTIVE CRANES.
Claims use since Aug. 15, 1942.

Ser. No. 497,521. AUTOMATIC DISTRIBUTING CORPORATION OF AMERICA, New Brunswick, N. J. Filed Mar. 2, 1946.

Automatically Yours

The word "Automatically" appearing as part of the mark is disclaimed apart from the mark.
FOR AUTOMATIC VENDING MACHINES.
Claims use since Jan. 23, 1946.

Ser. No. 498,041. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Mar. 11, 1946.

SOILMASTER

FOR FIELD, GARDEN, AND LAWN TOOLS—NAMELY, AXES, CULTIVATORS, HAND CUTTERS, DRAGS, LAWN EDGERS, FORKS, HOES, HAND RAKES, HAND SCOOPS, HAND SCRAPERS, HAND SHOVELS, TROWELS, HAND WEEDERS, AND TOOL HANDLES AND PARTS THEREOF
Claims use since Dec. 7, 1945.

Ser. No. 499,265. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 29, 1946.

SEWER MASTER

No claim is made to the word "Sewer" apart from the mark.
FOR SEWER CLEANING MACHINES.
Claims use since Dec. 23, 1939.

Ser. No. 499,879. THE WYATT MANUFACTURING COMPANY, Salina, Kans. Filed Apr. 8, 1946.

"The Jayhawk"

FOR AGRICULTURAL MACHINERY—NAMELY, HAY STACKERS, SWEEP RAKES, STACK-LOADERS, HAMMERMILLS, AND LOADERS.
Claims use since Mar. 1, 1904, as to hay stackers and sweep rakes; since Jan. 14, 1940, as to stack-loaders; since Sept. 15, 1941, as to hammermills; and since Aug. 23, 1945, as to loaders.

Ser. No. 499,928. KARL E. WEILER, doing business as Weiler Brush Company, Franklin Square, Long Island, N. Y. Filed Apr. 9, 1946.

WELCO

FOR INDUSTRIAL BRUSHES IN THE NATURE OF CIRCULAR BRUSHES FOR FITTING TO MECHANICAL SHAFTING.
Claims use since Mar. 31, 1945.

Ser. No. 500,047. AUTOHAVIT COMPANY, Atlanta, Ga. Filed Apr. 12, 1946.

AUTOHAVIT

FOR TIRE REMOVING TOOL.
Claims use since Feb. 25, 1946.

Ser. No. 500,118. HOWARD T. O'BRIEN, doing business as O'Brien Mfg. Co., Chicago, Ill. Filed Apr. 12, 1946.

ELECTRIC ROD MASTER

No claim is made to the words "Electric" and "Rod" apart from the mark
FOR ELECTRIC PORTABLE UNITARY SEWER CLEANING MACHINES FOR RODDING WASTE AND SEWER LINES.
Claims use since Jan. 22, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 483,811. EUGENE DIETZGEN CO., Chicago, Ill. Filed May 26, 1945.

EXCELLO

FOR DRAWING INSTRUMENTS AND SUPPLIES FOR THE PRODUCTION AND REPRODUCTION OF PRINTS, DRAWINGS, AND THE LIKE—NAMELY, LIGHT SENSITIVE SHEETS ADAPTED FOR MAKING PRINTS; DRAWING INSTRUMENTS—NAMELY, RULING PENS, COMPASSES, DIVIDERS, PROTRACTORS, MEASURING SCALES, GRADUATED RULES AND RULERS, STRAIGHT EDGES, T-SQUARES, MEASURING AND DRAFTING MACHINES, FRENCH CURVES, AND TRIANGLES.
Claims use since Jan. 1, 1910.

Ser. No. 497,878. NILSSON GAGE COMPANY, INC., Poughkeepsie, N. Y. Filed Mar. 8, 1946.

NILCO

No claim is made to the representation of the bottom of an inside diameter bore gauge as the background for the mark.
FOR INSIDE DIAMETER BORE GAUGES, PLUG GAUGES, RING GAUGES, SNAP GAUGES, TAPER GAUGES, FLUSH PIN GAUGES, AND DIAL INDICATORS FOR USE WITH THE SAME.
Claims use since Jan. 25, 1946.

Ser. No. 498,636. HENRY W. KOLLING, doing business as Typulator Sales Company, Dayton, Ohio. Filed Mar. 20, 1946.

TYPULATOR

FOR STRIP OF MATERIAL TO BE APPLIED TO A TYPEWRITER PLATEN ET CETERA FOR MEASURING THE UNUSED PORTION OF THE RECORD MATERIAL.
Claims use since Sept. 5, 1945.

Ser. No. 498,641. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed Mar. 20, 1946.

VARIBASE

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Mar. 1, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 503,758. THE SAN HYGENE UPHOLSTERY COMPANY, Akron, Ohio. Filed June 12, 1946.

Airlume

FOR UPHOLSTERED FURNITURE—NAMELY, DAVENPORTS, SOFAS, CHAIRS, FOOT STOOLS, AND LOUNGES; AND OTHER FURNITURE—NAMELY, PORCH, LAWN AND GAME-ROOM CHAIRS, SOFAS AND LOUNGES HAVING METAL FRAMES.
Claims use since Mar. 8, 1946.

Ser. No. 504,288. PLYMOLD CORPORATION, Lawrence, Mass. Filed June 20, 1946.

PLYMODERN

FOR HOUSE AND OFFICE FURNITURE—NAMELY, HOUSE AND OFFICE DESKS, HOUSE AND OFFICE TABLES, AND HOUSE AND OFFICE CHAIRS.
Claims use since Oct. 23, 1945.

Ser. No. 504,526. B-KEN CORPORATION, Rochester, N. Y. Filed June 25, 1946.

B-KEN

FOR UTILITY STANDS USEFUL IN HOMES, HOSPITALS, AND SHOPS FOR HOLDING CLOTHING, MEDICINE, INSTRUMENTS, TOOLS, AND OTHER THINGS.
Claims use since May 29, 1946.

Ser. No. 506,285. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill. Filed July 26, 1946.

FILE CADDY

The word "File" is disclaimed apart from the mark.
FOR TRANSPORTABLE FILING CASES.
Claims use since Feb. 20, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 492,050. R. R. HOWELL CO., Minneapolis, Minn. Filed Nov. 23, 1945.

ATLAS

FOR GRAIN ELEVATOR CONVEYOR BELTING.
Claims use since November 1926.

Ser. No. 506,681. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Aug. 1, 1946.

SUPER CHIEF

FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Feb. 25, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 499,531. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed Apr. 3, 1946.

RIBBON

FOR LEAD PENCILS.
Claims use since October 1907.

Ser. No. 499,900. RICHARD S. KAPLAN, Gary, Ind. Filed Apr. 9, 1946.

ROMANCE

FOR WRITING PAPER AND ENVELOPES.
Claims use since Feb. 25, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 458,445. TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa. Filed Feb. 9, 1943.

Sharpshooter

FOR COLUMN OF HORSE RACING SELECTIONS AND GRADED HANDICAPS, IN THE NEWSPAPER "THE MORNING TELEGRAPH."
Claims use since Jan. 2, 1941.

Ser. No. 495,782. AMERICAN BROTHERHOOD OF RAILROAD EMPLOYEES, Chicago, Ill. Filed Feb. 1, 1946.

AMERICAN BROTHERHOOD RAILROAD EMPLOYEES

Applicant disclaims the words "American" and "Railroad Employees" apart from the mark shown and neither limits itself to nor claims color as a part of its mark. The vertically cross-hatched portions of the mark as shown in the drawing usually appear in red, and all other dark portions of the mark as shown in the drawing usually appear in blue, upon a comparatively lighter background which usually is white.
FOR MAGAZINE PUBLISHED ANNUALLY, NEWS LETTERS, PRINTS, LEAFLETS, REPRINTS, AND PHOTOSTATS OF PUBLISHED NEWS ITEMS AND PRINTED FORMS.
Claims use since 1927.

Ser. No. 496,657. PERIODICAL PUBLISHERS' SERVICE BUREAU, INC., New York, N. Y., and Stamford, Conn. Filed Feb. 15, 1946.

PONY BOOK

The word "Book" is disclaimed apart from the mark.
FOR INDIVIDUAL LITERARY WORKS IN THE FORM OF BOOKS COMPRISING A SERIES, WHICH WORKS ARE PUBLISHED PERIODICALLY, I. E., AT REGULAR MONTHLY INTERVALS.
Claims use since Jan. 5, 1946.

Ser. No. 496,658. PERIODICAL PUBLISHERS' SERVICE BUREAU, INC., New York, N. Y., and Stamford, Conn. Filed Feb. 15, 1946.



FOR INDIVIDUAL LITERARY WORKS IN THE FORM OF BOOKS COMPRISING A SERIES, WHICH WORKS ARE PUBLISHED PERIODICALLY, I. E., AT REGULAR MONTHLY INTERVALS.
Claims use since Jan. 5, 1946.

Ser. No. 496,975. ALICE D. MCORMOND, Mansfield Center and Ashford, Conn. Filed Feb. 20, 1946.



Applicant disclaims the exclusive use of the name "Dudley" apart from the mark.
FOR BOOKS FOR CHILDREN, PREFERABLY MADE OF CLOTH OR THE LIKE, WITH THE PAGES THEREOF CONTAINING ONE OR MORE FANCIFUL REPRESENTATIONS OF FIGURES OF ANIMALS, CHILDREN, FLOWERS OR OTHER ANIMATE OR INAMINATE SUBJECTS SEWN TO OR OTHERWISE AFFIXED TO THE PAGES OF THE BOOK.
Claims use since Feb. 7, 1946.

Ser. No. 497,676. THE NATIONAL ASSOCIATION OF PIANO TUNERS, Pittsburgh, Pa., Grand Rapids, Mich., and Takoma Park, Md. Filed Mar. 5, 1946.



No claim is made to the words "Ass'n of Piano Tuners" separate and apart from the mark.
FOR PERIODICAL.
Claims use since 1908.

Ser. No. 498,130. VICTOR FELDSTEIN, doing business as Turf Call Pub. Co., New York, N. Y. Filed Mar. 13, 1946.

TURF CALL

No claim is made to the word "Turf" apart from the mark.
FOR MONTHLY PUBLICATION RELATING TO HORSE RACING.
Claims use since Jan. 15, 1946.

Ser. No. 498,790. NATIONAL TRANSITADS, INC., Chicago, Ill. Filed Mar. 22, 1946.

Salesdex

FOR MAGAZINE.
Claims use since February 1945.

Ser. No. 499,523. TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa. Filed Apr. 2, 1946.

Rotocomics

FOR NEWSPAPER SECTION.
Claims use since Mar. 20, 1946.

Ser. No. 499,592. WELDING ADVERTISING AGENCY, INC., New York, N. Y. Filed Apr. 3, 1946.

EUTEC-TIPS

FOR COLUMN APPEARING FROM TIME TO TIME IN A MONTHLY TRADE PUBLICATION.
Claims use since August 1944.

Ser. No. 499,692. THE BIKE WEB COMPANY, Chicago, Ill. Filed Apr. 5, 1946.

SPORTS TRAIL

No claim is made to the exclusive use of the word "Sports" apart from the mark.
FOR MONTHLY PERIODICAL.
Claims use since Feb. 15, 1946.

Ser. No. 499,808. TELECOMICS INC., New York, N. Y. Filed Apr. 6, 1946.

TELECOMICS

FOR COMIC STRIPS.
Claims use since September 1945.

Ser. No. 502,398. NORCROSS, New York, N. Y. Filed May 18, 1946.

CURLY-Q

FOR GREETING CARDS AND PRINTED GREETING FOLDERS, BOOKLETS OF CHILDREN'S STORIES, CALENDARS AND DECORATIVE PRINTED TAGS AND PRINTED SEALS.
Claims use since Dec. 31, 1938.

CLASS 39

CLOTHING

Ser. No. 499,703. FISCH & COMPANY, Los Angeles, Calif. Filed Apr. 5, 1946.

Pony Express

FOR MEN'S AND WOMEN'S SHIRTS, JACKETS, SLACK SUITS, AND HATS; BOYS' SHIRTS AND SLACK SUITS; WOMEN'S SPORTCOATS, DRESSES, SKIRTS, AND SUITS.
Claims use since Jan. 15, 1941.

Ser. No. 501,433. BOND STORES, INCORPORATED, New York, N. Y. Filed May 4, 1946.

STYLEMANOR

FOR GIRLS', MISSES' AND WOMEN'S SUITS, FABRIC COATS, DRESSES, SWEATERS, BLOUSES, SLACKS, SKIRTS, UNDERWEAR, HATS, SLIPS, PAJAMAS, BATH AND LOUNGING ROBES, CORSETS, GIRDLES, BRAS, SHOES OF LEATHER, FABRIC OR COMBINATION THEREOF, APPAREL BELTS, SCARVES, RAINCOATS, SPORTS JACKETS, JUMPERS, GLOVES OF LEATHER, FABRIC OR COMBINATION THEREOF, HOSIERY AND BATHING SUITS, AND FOR MEN'S, YOUNG MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, DRESS SUITS, RAINCOATS, TROUSERS, SPORTS COATS, SPORTS JACKETS, BATH AND LOUNGING ROBES, GLOVES OF LEATHER, FABRIC OR COMBINATION THEREOF, HANDKERCHIEFS, SPORT ENSEMBLES CONSISTING OF COMBINATION SLACK AND SHIRT SETS AND SLACK AND JACKET SETS, SWEATERS AND BATHING SUITS.
Claims use since Apr. 17, 1946.

Ser. No. 502,172. BESS WASSERMAN, Miami, Fla. Filed May 15, 1946.

Sódi

FOR MEN'S, WOMEN'S, AND CHILDREN'S ROBES, AND MEN'S JACKETS AND TROUSERS.
Claims use since May 1945.

Ser. No. 502,237. SLEEPWEAR INC., New York, N. Y. Filed May 16, 1946.

RESTWELL

FOR PAJAMAS.
Claims use since Feb. 1, 1946.

Ser. No. 503,458. THE MAYER-NOCK COMPANY, Philadelphia, Pa. Filed June 7, 1946.

SASSIE LASSIE

The picture of the child is fanciful.
FOR CHILDREN'S DRESSES.
Claims use since May 15, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 492,133. RICHARD A. FISCH, doing business as Anchor Plastics Company, New York, N. Y. Filed Nov. 24, 1945.

AER-O-FLEX

FOR NARROW BELTING, STRIPPING, AND WEBBING FOR FURNITURE AND UPHOLSTERY.
Claims use since Nov. 23, 1945.

Ser. No. 496,979. NEW YORK MERCHANDISE CO., INC., New York, N. Y. Filed Feb. 20, 1946.

DARLING

FOR SAFETY PINS OF NON-PRECIOUS METAL OR METALS.
Claims use since May 3, 1921.

Ser. No. 500,284. DAVID A. CHRISTIANSON ASSOCIATES, INC., New York, N. Y. Filed Apr. 16, 1946.

daca

FOR POCKET COMBS.
Claims use since Feb. 7, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 496,608. RICHARD J. CARON, doing business under the name and style of Richard Yarns, St. Paul, Minn. Filed Feb. 15, 1946.

NORTHLAND

FOR WOOL YARN.
Claims use since Feb. 1, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 502,007. ARTHUR W. PITTS, doing business as Nephron Company, Tacoma, Wash. Filed May 13, 1946.

NOX-AZMA

No claim is made to the right to the exclusive use of "Azma" apart from the mark.
FOR VAPORIZERS OR NEBULIZERS FOR ADMINISTERING BY INHALATION THERAPY MEDICAMENTS FOR THE RELIEF OF ASTHMA SPASMS.
Claims use since Apr. 29, 1946.

Ser. No. 507,400. ADOLPH HOENIG, Long Island City, N. Y. Filed Aug. 14, 1946.

H

FOR DENTAL INSTRUMENTS—NAMELY, DIAMOND POINTS, WHEELS, DISKS, BURRS; INSTRUMENT STANDS AND HOLDERS.
Claims use since May 1946.

Ser. No. 508,842. GEORGE H. FISHER & CO., New York, N. Y. Filed Sept. 11, 1946.

Scentette

FOR PERFUME ATOMIZERS.
Claims use since Aug. 1, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 478,946. OTTO P. CATSIGIANIS, doing business as Blue Hill Candy Co., St. Louis Mo., assignor to Blue Hill Candy Co., a firm. Filed Jan. 24, 1945.



FOR CANDY.
Claims use since March 1923.

Ser. No. 486,743. MAY NEWLAND BENNETT, doing business as Bennett Milling Co., Geneva, Ill. Filed Aug. 6, 1945.



FOR RYE FLOUR, BUCKWHEAT AND GRAHAM FLOUR, RYE-GRAHAM FLOUR, WHITE AND YELLOW CORN MEAL, ROLLED OATS, MIXED CHICKEN FEED, BABY CHICK FEED AND STARTING AND GROWING MASH.
Claims use since May 8, 1914.

Ser. No. 497,670. MARS, INCORPORATED, Chicago, Ill. Filed Mar. 5, 1946.

Curtain Time

FOR CANDY BARS.
Claims use since Jan. 30, 1946.

Ser. No. 499,510. ROSE VALLEY PRODUCE COMPANY, Woodland, Calif. Filed Apr. 2, 1946.

PONY BOY

Applicant is the owner of Reg. No. 337,124.
FOR FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, AND FRESH MELONS.
Claims use since June 1934.

Ser. No. 499,577. ROCKWOOD & CO., Brooklyn, N. Y. Filed Apr. 3, 1946.

ROM

FOR CHOCOLATE AND CHOCOLATE PIECES.
Claims use since Mar. 27, 1946.

Ser. No. 500,250. ROSE VALLEY PRODUCE COMPANY, Woodland, Calif. Filed Apr. 15, 1946.

HIGHLAND PRIDE

Applicant is the owner of Reg. No. 420,832.
FOR FRESH DECIDUOUS FRUITS AND FRESH MELONS.
Claims use since Jan. 25, 1945.

Ser. No. 501,990. K & R FRUIT PRODUCTS, INC., Upland, Calif. Filed May 13, 1946.

APRIORE

FOR CANNED ORANGE AND APRICOT BLEND OF JUICES FOR FOOD PURPOSES.
Claims use since May 8, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 470,488. COMPANIA CUBANA DE ALCOHOL, S. A., Santa Cruz del Norte and Habana, Cuba. Filed May 22, 1944.

RON TIN-TIN

No claim is made to the word "Ron" apart from the mark.
FOR RUM.
Claims use since Feb. 5, 1944.

Ser. No. 493,998. DREYFUS ASHBY & CO., INC., New York, N. Y. Filed Dec. 29, 1945.

Basler Tuebli

Applicant disclaims the word "Basler," as a surname, separately from the mark.
FOR KIRSCHWASSER.
Claims use since Dec. 19, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 5, 1946

425,095. CORDIALS. PERNOD S. A. (SOCIÉTÉ ANONYME), Couvet, Switzerland.
Filed May 27, 1939. Serial No. 419,934. PUBLISHED JULY 25, 1939. Class 49.

425,096. CHEMICAL SUBSTANCES FOR USE AS ANTISEPTICS, BACTERICIDES, ANTIMALARIALS, ANTHELMINTICS, TRYPANOCIDES, ANAESTHETICS, ETC. IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED, Slough, England.
Filed September 3, 1943. Serial No. 463,200. PUBLISHED DECEMBER 4, 1945. Class 6.

425,097. HEALING SALVE FOR THE TREATMENT OF RINGWORMS, POISON IVY, CUTS, BRUISES, BITES, STINGS, CHILBLAINS, ECZEMA, ATHLETE'S FOOT, GALDS, AND BURNS. VINCENT VISCUSO, McKeesport, Pa.
Filed September 27, 1944. Serial No. 474,683. PUBLISHED AUGUST 13, 1946. Class 6.

425,098. OINTMENT WHICH IS APPLIED EXTERNALLY FOR RELIEF OF ATHLETE'S FOOT, ACNE, DRY ECZEMA, POISON IVY, IMPETIGO, RINGWORM, SUMAC, POISON OAK, AND OTHER COMMON SKIN IRRITATIONS AND CONDITIONS. C. L. S. PRODUCTS CORP., Pittsburgh, Pa.
Filed October 4, 1944. Serial No. 474,878. PUBLISHED JULY 3, 1945. Class 6.

425,099. PERFUME. GEORGE D. PICKRELL, doing business as George Pickrell Laboratory, Chicago, Ill.
Filed October 7, 1944. Serial No. 475,070. PUBLISHED FEBRUARY 12, 1946. Class 6.

425,100. TOILET WATER, HAND LOTION, SHAMPOO, BUBBLE BATH, DUSTING POWDER, AND LIPSTICK POMADE. HELENE PESSL, INC., New York, N. Y.
Filed December 9, 1944. Serial No. 477,368. PUBLISHED APRIL 17, 1945. Class 6.

425,101. FACE POWDER, ROUGE, LIPSTICK, AND COLOGNE. FAREL DESTIN, INC., New York, N. Y.
Filed February 6, 1945. Serial No. 479,470. PUBLISHED JULY 31, 1945. Class 6.

425,102. SHAMPOO FOR THE HAIR. BROOKS BROTHERS, New York, N. Y.
Filed February 17, 1945. Serial No. 479,917. PUBLISHED MAY 14, 1946. Class 6.

425,103. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, ETC. LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio.
Filed March 7, 1945. Serial No. 480,597. PUBLISHED AUGUST 20, 1946. Class 35.

425,104. PAMPHLETS COMPRISING A COURSE OF EXERCISES AND BEAUTY TREATMENTS. RICHARD HUDNUT, New York, N. Y.
Filed March 8, 1945. Serial No. 480,658. PUBLISHED AUGUST 13, 1946. Class 38.

425,105. STILL PICTURE PROJECTORS, SLIDE AND STRIP FILM PROJECTORS AND PARTS THEREFOR, STILL PICTURE SLIDES AND MOUNTINGS THEREFOR, FILM VIEWERS, AND STEREOSCOPIC PROJECTORS. ERNEST W. GOLDBERG, doing business as Golde Manufacturing Company, Chicago, Ill.
Filed June 29, 1945. Serial No. 485,214. PUBLISHED AUGUST 13, 1946. Class 26.

425,106. STILL PICTURE PROJECTORS, SLIDE AND STRIP FILM PROJECTORS AND PARTS THEREFOR, STILL PICTURE SLIDES AND MOUNTINGS THEREFOR, FILM VIEWERS, AND STEREOSCOPIC PROJECTORS. ERNEST W. GOLDBERG, doing business as Golde Manufacturing Company, Chicago, Ill.
Filed June 29, 1945. Serial No. 485,215. PUBLISHED AUGUST 13, 1946. Class 26.

425,107. X-RAY APPARATUS FOR MAKING MINIATURE PHOTOGRAPHS OF AN IMAGE CAST ON A FLUORESCENT SCREEN BY THE PASSAGE OF AN X-RAY BEAM THROUGH AN OBJECT AND NOW REFERRED TO IN THE ART AS PHOTOFLUOROSCOPIC FILMS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa., and Baltimore, Md.
Filed August 18, 1945. Serial No. 487,294. PUBLISHED AUGUST 13, 1946. Class 26.

425,108. DYNAMOMETERS. DYNAMATIC CORPORATION, Kenosha, Wis.
Filed August 27, 1945. Serial No. 487,607. PUBLISHED AUGUST 6, 1946. Class 26.

425,109. POWDER FOR USE AS A RINSE FOR BABY GARMENTS. ZADEK FELDSTEIN CO., INC., New York, N. Y.
Filed August 31, 1945. Serial No. 487,831. PUBLISHED AUGUST 13, 1946. Class 6.

425,110. WASTE BASKETS, BOXES MADE OF PAPER, CARDBOARD, LEATHER, OR PLASTIC MATERIAL FOR THE PACKAGING OF MERCHANDISE AND PLASTIC BOXES, ETC. REVOC, INC., doing business as Cover Girl, New York, N. Y.
Filed September 12, 1945. Serial No. 488,369. PUBLISHED AUGUST 20, 1946. Class 2.

425,111. OPTICAL FILM VIEWING APPARATUS AND OPTICAL APPARATUS FOR VIEWING PRINTED MATTER. BOL, LTD., New York, N. Y.
Filed September 14, 1945. Serial No. 488,445. PUBLISHED AUGUST 6, 1946. Class 26.

425,112. PRINTED AND OTHERWISE REPRODUCED RECORD CARDS USED IN CONNECTION WITH APPARATUS FOR CLASSIFYING AND SELECTING DATA CONTAINED ON SAID CARDS. BOL, LTD., New York, N. Y.
Filed September 14, 1945. Serial No. 488,446. PUBLISHED AUGUST 6, 1946. Class 38.

425,113. DEVELOPING, FIXING, AND TRANSFERRING BATH CHEMICALS. PEERLESS PHOTO PRODUCTS, INC., New York, N. Y.
Filed September 25, 1945. Serial No. 488,971. PUBLISHED AUGUST 13, 1946. Class 6.

425,114. FUNGICIDAL PREPARATION FOR TREATING ATHLETE'S FOOT AND SIMILAR DISORDERS. CARBOROSE COMPANY, Brooklyn, N. Y.
Filed September 28, 1945. Serial No. 489,100. PUBLISHED AUGUST 13, 1946. Class 6.

425,115. TOPICAL SURFACE ANESTHETIC FOR DENTAL USE. ANODEX LABORATORIES, INC., Ventnor City, N. J.
Filed October 3, 1945. Serial No. 489,309. PUBLISHED AUGUST 13, 1946. Class 6.

425,116. PUBLICATIONS CONTAINING CARTOONS AND COMICS, PUBLISHED FROM TIME TO TIME. DANDY PUBLISHING COMPANY, New York, N. Y.
Filed October 5, 1945. Serial No. 489,449. PUBLISHED AUGUST 6, 1946. Class 38.

425,117. PERFUMES. SOCIETE D'ETUDES ET D'EXPANSION DE LA PERFUMERIE DE LUXE, Paris, France.
Filed October 6, 1945. Serial No. 489,537. PUBLISHED APRIL 16, 1946. Class 6.

425,118. MEDICINAL PREPARATION FOR THE TREATMENT OF THE EAR. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 8, 1945. Serial No. 489,627. PUBLISHED AUGUST 13, 1946. Class 6.

425,119. INSECTICIDE OR INSECT EXTERMINATOR. EDGAR A. MURRAY CO., Detroit, Mich.
Filed October 11, 1945. Serial No. 489,820. PUBLISHED AUGUST 6, 1946. Class 6.

425,120. INSECTICIDE OR INSECT EXTERMINATOR. EDGAR A. MURRAY CO., Detroit, Mich.
Filed October 11, 1945. Serial No. 489,822. PUBLISHED AUGUST 6, 1946. Class 6.

425,121. RESIN AND STARCH ADHESIVES. NATIONAL STARCH PRODUCTS INC., New York, N. Y.
Filed October 17, 1945. Serial No. 490,075. PUBLISHED AUGUST 13, 1946. Class 5.

425,122. FRESH FRUIT BEVERAGES IN THE NATURE OF SOFT DRINKS. SUNSPRAY BEVERAGES, INC., Long Island City, N. Y.
Filed October 24, 1945. Serial No. 490,468. PUBLISHED AUGUST 13, 1946. Class 45.

425,123. FRESH FRUIT BEVERAGES IN THE NATURE OF SOFT DRINKS. SUNSPRAY BEVERAGES, INC., Long Island City, N. Y.
Filed October 24, 1945. Serial No. 490,469. PUBLISHED AUGUST 13, 1946. Class 45.

425,124. FOR BUBBLE FORMING COMPOSITION OF MATTER FOR AMUSEMENT PURPOSES. THE GLIDDEN COMPANY, doing business as A. Wilhelm Company, Cleveland, Ohio, and Reading Pa.
Filed October 30, 1945. Serial No. 490,754. PUBLISHED AUGUST 13, 1946. Class 6.

425,125. SALVE AND OINTMENT FOR SKIN IRRITATIONS, SUCH AS INSECT BITES, MINOR CUTS, BURNS, AND POISON IVY. GEORGE TOLIS, Spencer, Mass.
Filed November 9, 1945. Serial No. 491,374. PUBLISHED AUGUST 13, 1946. Class 6.

425,126. TITLE FOR A COLUMN CONTAINING NEWS OF INTEREST TO VETERANS. NEW YORK WORLD-TELEGRAM CORPORATION, New York, N. Y.
Filed November 13, 1945. Serial No. 491,498. PUBLISHED AUGUST 13, 1946. Class 38.

425,127. APPARATUS FOR MEASURING MAGNETIC FIELDS, CONSISTING OF A HOUSING, MAGNETIC-FIELD-MEASURING APPARATUS IN THE HOUSING, AND AN ELECTRIC METER CONNECTED TO THE MAGNETIC-FIELD-MEASURING APPARATUS. WAUGH EQUIPMENT COMPANY, New York, N. Y.
Filed November 13, 1945. Serial No. 491,535. PUBLISHED AUGUST 13, 1946. Class 26.

425,128. BED SPRINGS, STUDIO COUCHES, DIVANS, AND FOLDING BEDS. WILLIAM INTNER COMPANY, INC., New York, N. Y.
Filed November 17, 1945. Serial No. 491,757. PUBLISHED AUGUST 13, 1946. Class 32.

425,129. PERFUMES AND ROUGES. LANCOME S. A., Paris, France.
Filed November 19, 1945. Serial No. 491,851. PUBLISHED AUGUST 13, 1946. Class 6.

425,130. FUNGUS INHIBITING AND IMPREGNATING CHEMICALS. PAINT ENGINEERS, INCORPORATED, New York, N. Y., and Hawthorne, N. J.
Filed November 21, 1945. Serial No. 491,996. PUBLISHED AUGUST 13, 1946. Class 6.

425,131. DISPOSABLE TISSUES IMPREGNATED WITH FACE POWDER. THE TAYTON COMPANY, Chicago, Ill.
Filed November 23, 1945. Serial No. 492,111. PUBLISHED AUGUST 13, 1946. Class 6.

425,132. CHEMICAL COMPOSITION FOR USE AS A DEFOAMER AND SHEET FORMATION AID IN THE PULP AND PAPER INDUSTRIES. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed November 24, 1945. Serial No. 492,152. PUBLISHED AUGUST 6, 1946. Class 6.

425,133. CHEMICAL COMPOSITION FOR USE AS A DEFOAMER AND SHEET FORMATION AID IN THE PULP AND PAPER INDUSTRIES. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed November 24, 1945. Serial No. 492,153. PUBLISHED AUGUST 6, 1946. Class 6.

425,134. INSECTICIDES AND FUNGICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed November 28, 1945. Serial No. 492,342. PUBLISHED AUGUST 13, 1946. Class 6.

425,135. X-RAY APPARATUS FOR MAKING MINIATURE PHOTOFLUOROSCOPIC FILMS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa., and Baltimore, Md.
Filed November 29, 1945. Serial No. 492,410. PUBLISHED AUGUST 13, 1946. Class 26.

425,136. SCRIPTS FOR MONOLOGUES, DIALOGUES, DRAMATIC SKETCHES, AND RADIO BROADCASTS, SUCH SCRIPTS SOLD AS A PUBLICATION, ETC. FLOWER FOODS, INC., Maywood, Ill.
Filed December 7, 1945. Serial No. 492,829. PUBLISHED AUGUST 13, 1946. Class 38.

425,137. MEN'S AND BOYS' SHIRTS, SPORT JACKETS, PAJAMAS, LUMBER JACKETS, HOSIERY, UNDERSHIRTS, AND SHORTS. MASKULINE UNDERWEAR CO., INC., New York, N. Y.
Filed December 15, 1945. Serial No. 493,373. PUBLISHED AUGUST 20, 1946. Class 39.

425,138. SERIES OF EXCLUSIVELY PICTORIAL MOTION PICTURE FILMS. CARL DUDLEY, Beverly Hills, Calif.
Filed December 18, 1945. Serial No. 493,484. PUBLISHED AUGUST 13, 1946. Class 26.

425,139. INSECTICIDE. NORTHEASTERN PRODUCTS, INC., Boston, Mass.
Filed December 22, 1945. Serial No. 493,813. PUBLISHED AUGUST 6, 1946. Class 6.

425,140. PREPARATIONS USED IN THE TREATMENT OF SPASMODIC COUGH, HICCOUGH, WHOOPING COUGH, ETC. HORTON & CONVERSE, Los Angeles, Calif.
Filed December 24, 1945. Serial No. 493,871. PUBLISHED AUGUST 13, 1946. Class 6.

425,141. VACUUM OR PRESSURE GAUGE. NATIONAL RESEARCH CORPORATION, Boston, Mass.
Filed January 3, 1946. Serial No. 494,230. PUBLISHED AUGUST 13, 1946. Class 26.

425,142. PERFUME AND COLOGNE. NETTIE ROSENSTEIN, INC., New York, N. Y.
Filed January 4, 1946. Serial No. 494,287. PUBLISHED AUGUST 13, 1946. Class 6.

425,143. VITAMIN AND MINERAL PREPARATION FOR METABOLIC DEFICIENCY THERAPY. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed January 5, 1946. Serial No. 494,366. PUBLISHED AUGUST 13, 1946. Class 6.

425,144. PREPARATION FOR USE IN TREATING SKIN CONDITIONS. SHARPE & DOHME, INCORPORATED, Philadelphia, Pa.
Filed January 5, 1946. Serial No. 494,367. PUBLISHED AUGUST 6, 1946. Class 6.

425,145. PLASTICIZER FOR RUBBER. SUN OIL COMPANY, Philadelphia, Pa.
Filed January 5, 1946. Serial No. 494,371. PUBLISHED AUGUST 13, 1946. Class 6.

425,146. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. MIKE KRAFT, doing business as Vitabev Bottling Co., Philadelphia, Pa.
Filed January 10, 1946. Serial No. 494,564. PUBLISHED AUGUST 6, 1946. Class 45.

425,147. SEDATIVE AND ANTISPASMODIC SUPPOSITORIES. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed January 12, 1946. Serial No. 494,713. PUBLISHED AUGUST 13, 1946. Class 6.

425,148. CORDIALS. J. O. GARCIA ARCELAY, doing business as Licoreria Garcia, Mayaguez, P. R.
Filed January 15, 1946. Serial No. 494,770. PUBLISHED AUGUST 13, 1946. Class 49.

425,149. MONTHLY PUBLICATION. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed January 15, 1946. Serial No. 494,788. PUBLISHED AUGUST 13, 1946. Class 38.

425,150. VITAMINIC PREPARATIONS TO BE USED AS PRESCRIBED BY A PHYSICIAN. DAVID KAYE, doing business as Kaye Laboratories, Brooklyn, N. Y.
Filed January 15, 1946. Serial No. 494,793. PUBLISHED AUGUST 13, 1946. Class 6.

425,151. LINIMENT USED AS A COUNTER-IRRITANT AND FOR RELIEF OF MUSCULAR SORENESS. J. K. SPIEGEL, doing business as M. Spiegel Medicine Co., Albany, N. Y.
Filed January 15, 1946. Serial No. 494,802. PUBLISHED AUGUST 13, 1946. Class 6.

425,152. MEN'S COLOGNES. IRRESISTIBLE, INC., New York, N. Y.
Filed January 16, 1946. Serial No. 494,847. PUBLISHED AUGUST 13, 1946. Class 6.

425,153. PREPARATIONS FOR THE TREATMENT OF COLDS AND COUGHS DUE TO COMMON COLDS. JOHN DEANS, doing business as Cindex Company, Eddystone, Pa.
Filed January 17, 1946. Serial No. 494,891. PUBLISHED AUGUST 13, 1946. Class 6.

425,154. EMULSIONS OF WAXES CHIEFLY OF THE MICROCRYSTALLINE VARIETY. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed January 17, 1946. Serial No. 494,921. PUBLISHED AUGUST 13, 1946. Class 6.

425,155. AUTOMATICALLY OPERATED DISPENSERS ADAPTED TO BE PLACED ON BOTTLES AND OTHER CONTAINERS FOR DISPENSING MEASURED QUANTITIES OF A LIQUID. JOSE SANCHIS, Newark, N. J.
Filed January 24, 1946. Serial No. 495,338. PUBLISHED AUGUST 13, 1946. Class 26.

425,156. TIME STAMPS. SIMPLEX TIME RECORDER CO., Gardner, Mass.
Filed January 25, 1946. Serial No. 495,413. PUBLISHED AUGUST 13, 1946. Class 26.

425,157. PERFUMES. SOCIÉTÉ À RESPONSABILITÉ LIMITÉE: CARVEN, Paris, France.
Filed January 25, 1946. Serial No. 495,415. PUBLISHED AUGUST 13, 1946. Class 6.

425,158. TOOTH POWDER. WILLIAM E. WOLFF, doing business as Daz-L-Dent Laboratories, Kansas City, Mo.
Filed January 28, 1946. Serial No. 495,561. PUBLISHED AUGUST 13, 1946. Class 6.

425,159. URINARY ANTISEPTIC. SCHERING CORPORATION, Bloomfield, N. J.
Filed January 29, 1946. Serial No. 495,631. PUBLISHED MAY 21, 1946. Class 6.

425,160. MEDICINAL PREPARATION RECOMMENDED FOR THE RELIEF OF HEADACHE AND OTHER PAINS. SCHERING CORPORATION, Bloomfield, N. J.
Filed January 29, 1946. Serial No. 495,632. PUBLISHED MAY 21, 1946. Class 6.

425,161. INSECTICIDES. FRED L. SMITH, Paola, Kans.
Filed January 29, 1946. Serial No. 495,635. PUBLISHED AUGUST 13, 1946. Class 6.

425,162. MEDICINAL PREPARATION FOR THE TREATMENT OF VITAMIN AND NUTRITIONAL DISORDERS AND DEFICIENCIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 29, 1946. Serial No. 495,639. PUBLISHED AUGUST 13, 1946. Class 6.

425,163. MEDICINAL PREPARATION FOR USE AS AN ALKALIZER. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 29, 1946. Serial No. 495,640. PUBLISHED AUGUST 13, 1946. Class 6.

425,164. MEDICINAL PREPARATION FOR THE TREATMENT OF VARIOUS TYPES OF SHOCK AND HYPOPROTEINEMIA. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 29, 1946. Serial No. 495,641. PUBLISHED AUGUST 13, 1946. Class 6.

425,165. NEWSPAPER SECTION OR DEPARTMENT. THE HEARST CORPORATION, New York, N. Y.
Filed January 30, 1946. Serial No. 495,670. PUBLISHED AUGUST 13, 1946. Class 38.

425,166. CHEMICAL PREPARATION FOR ABSORBING DISAGREEABLE ODORS. PURITAN CHEMICAL COMPANY, Atlanta, Ga.
Filed February 4, 1946. Serial No. 495,987. PUBLISHED AUGUST 13, 1946. Class 6.

425,167. PREPARATION FOR REMOVING AND ELIMINATION OF SOOT, SCALE, AND SLUDGE AND OTHER FOREIGN MATTER FROM STEAM BOILERS, OIL CONTAINERS, AND SIMILAR USES. WILLIAM J. MORRISSEY, JR., doing business as Morrissey Sales and Service Co., Newark, N. J.
Filed February 5, 1946. Serial No. 496,037. PUBLISHED AUGUST 13, 1946. Class 6.

425,168. X-RAY APPARATUS FOR INDUSTRIAL INSPECTION AND TESTING AND LABORATORY EXPERIMENTATION. NORTH AMERICAN PHILIPS COMPANY, INC., Dobbs Ferry, N. Y.
Filed February 12, 1946. Serial No. 496,458. PUBLISHED AUGUST 6, 1946. Class 26.

425,169. COUGH DROPS. SMITH BROTHERS, INC., Poughkeepsie, N. Y.
Filed February 16, 1946. Serial No. 496,735. PUBLISHED AUGUST 13, 1946. Class 6.

425,170. NORMALLY GASEOUS HALOGENATED HYDROCARBONS; NORMALLY GASEOUS CHEMICALS FOR USE IN PROPELLING PARASITICIDES AND DISPERSING THEM IN AEROSOL FORM. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed February 16, 1946. Serial No. 496,696. PUBLISHED AUGUST 13, 1946. Class 6.

425,171. NORMALLY GASEOUS HALOGENATED HYDROCARBONS; NORMALLY GASEOUS CHEMICALS FOR USE IN PROPELLING PARASITICIDES AND DISPERSING THEM IN AEROSOL FORM. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed February 16, 1946. Serial No. 496,697. PUBLISHED AUGUST 13, 1946. Class 6.

425,172. TITLE FOR A COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed February 19, 1946. Serial No. 496,933. PUBLISHED AUGUST 6, 1946. Class 38.

425,173. A PUBLICATION ISSUED PERIODICALLY, CONTAINING INFORMATION CONCERNING PEOPLE IN THE FIELD OF MUSIC. S. ROSENTHAL & Co., INC., Cincinnati, Ohio.
Filed February 21, 1946. Serial No. 497,043. PUBLISHED AUGUST 6, 1946. Class 38.

425,174. ANTACID PREPARATION FOR INTERNAL USE. RUTLEE CHEMICAL COMPANY, INC., Perth Amboy, N. J., and Washington, D. C.
Filed February 25, 1946. Serial No. 497,202. PUBLISHED AUGUST 6, 1946. Class 6.

425,175. HAIR POMADE, AFTER-SHAVING LOTION, WHITE CLEANSING CREAM, PINK VANISHING CREAM, ROSE AND ALMOND LOTION, ETC. MOHAMMED ALI, doing business as Royal Indian Cosmetic Co., Brooklyn, N. Y.
Filed February 28, 1946. Serial No. 497,359. PUBLISHED AUGUST 13, 1946. Class 6.

425,176. PERFUME BASE USED AS A CONSTITUENT IN THE MANUFACTURE OF PERFUMES. S. B. PENICK & COMPANY, New York, N. Y.
Filed February 28, 1946. Serial No. 497,406. PUBLISHED AUGUST 6, 1946. Class 6.

425,177. MEDICINAL PREPARATIONS HAVING SEDATIVE PROPERTIES FOR INTRAMUSCULAR OR INTRAVENOUS INJECTION. ALPINOL CORPORATION, New York, N. Y.
Filed March 1, 1946. Serial No. 497,437. PUBLISHED AUGUST 6, 1946. Class 6.

425,178. ANTI-OXIDATION COMPOUND FOR INKS, PAINTS, AND VARNISHES. JUSTIN M. FRY, doing business as J. M. Fry Company, Richmond, Va.
Filed March 5, 1946. Serial No. 497,661. PUBLISHED AUGUST 13, 1946. Class 6.

425,179. ANTHELMINTIC TABLETS. ALLIED LABORATORIES, INC., doing business as Pitman-Moore Co., Indianapolis, Ind.
Filed March 6, 1946. Serial No. 497,690. PUBLISHED AUGUST 13, 1946. Class 6.

425,180. LIQUID ANTI-FREEZE COMPOSITION. REGINALD ROBBINS, doing business under the name Stratosphere Products Company, Los Angeles, Calif.
Filed March 6, 1946. Serial No. 497,742. PUBLISHED AUGUST 6, 1946. Class 6.

425,181. LIQUID ANTI-FREEZE COMPOSITION. REGINALD ROBBINS, doing business under the name Stratosphere Products Company, Los Angeles, Calif.
Filed March 6, 1946. Serial No. 497,743. PUBLISHED AUGUST 6, 1946. Class 6.

425,182. LIQUEUR. ALEXANDER YOUNG DISTILLING CO., Philadelphia, Pa.
Filed March 6, 1946. Serial No. 497,762. PUBLISHED AUGUST 13, 1946. Class 49.

425,183. RUST REMOVING CHEMICAL COMPOSITION. LOUIS R. VORIS, doing business as The Voris Laboratories, Hagerstown, Md.
Filed March 7, 1946. Serial No. 497,828. PUBLISHED AUGUST 13, 1946. Class 6.

425,184. RAT BAITS. CENOL COMPANY, INC., Chicago, Ill.
Filed March 11, 1946. Serial No. 497,992. PUBLISHED AUGUST 13, 1946. Class 6.

425,185. ASTRINGENT FOR DIARRHETIC AILMENTS IN CATTLE, PARTICULARLY FOR THE TREATMENT OF "SCOURS" IN CALVES. M. C. MERLICH, Port Townsend, Wash.
Filed March 11, 1946. Serial No. 498,016. PUBLISHED AUGUST 13, 1946. Class 6.

425,186. MEDICINAL PREPARATION USED IN THE TREATMENT OF BRONCHIAL COUGHS. DELFERES E. GUIDRY, Port Lavaca, Tex.
Filed March 12, 1946. Serial No. 498,062. PUBLISHED AUGUST 6, 1946. Class 6.

425,187. INSECTICIDE. HUNTINGTON LABORATORIES, INC., Huntington, Ind.
Filed March 13, 1946. Serial No. 498,141. PUBLISHED AUGUST 13, 1946. Class 6.

425,188. MEN'S SPORTSWEAR—NAMELY, SPORT SHIRTS. PALOMINO SPORTSWEAR COMPANY, Los Angeles, Calif.
Filed March 13, 1946. Serial No. 498,166. PUBLISHED AUGUST 13, 1946. Class 39.

425,189. PERFUME, TOILET WATER, FACE POWDER, LIPSTICK, ROUGE, AND TALCUM POWDER. PARK & TILFORD, New York, N. Y.
Filed March 13, 1946. Serial No. 498,167. PUBLISHED AUGUST 6, 1946. Class 6.

425,190. TETRACHLORO PHTHALIC ANHYDRIDE. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y.
Filed March 14, 1946. Serial No. 498,247. PUBLISHED AUGUST 13, 1946. Class 6.

425,191. FLOUR BLEACH. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed March 14, 1946. Serial No. 498,264. PUBLISHED AUGUST 13, 1946. Class 6.

425,192. OFFSET LITHOGRAPHY CHEMICAL SOLUTIONS. REPLICA PRODUCTS COMPANY, New York, N. Y.
Filed March 15, 1946. Serial No. 498,311. PUBLISHED AUGUST 6, 1946. Class 6.

425,193. DEGREASING SOLVENT USED IN VAPOR CLEANING OF METAL PARTS AND THE LIKE. VAPOR ENGINEERING CORPORATION, Burbank, Calif.
Filed March 15, 1946. Serial No. 498,329. PUBLISHED AUGUST 13, 1946. Class 6.

425,194. HOSIERY. OSCAR NEBEL HOSIERY CORPORATION, Verona, Va.
Filed March 16, 1946. Serial No. 498,356. PUBLISHED AUGUST 13, 1946. Class 39.

425,195. DEODORANT AND ANTISEPTIC IN LIQUID FORM TO BE SPRAYED DIRECTLY UPON ARTICLES TO BE TREATED AND INTO THE AIR OF ROOMS TO BE DEODORIZED. ANDERSON-STOLZ PHARMACEUTICALS, INC., Kansas City, Mo., assignor to Skinner Manufacturing Company, Omaha, Nebr.
Filed March 18, 1946. Serial No. 498,380. PUBLISHED AUGUST 13, 1946. Class 6.

425,196. VAGINAL SUPPOSITORIES CONTAINING BETA LACTOSE AND BORIC ACID. THE BORDEN COMPANY, New York, N. Y.
Filed March 18, 1946. Serial No. 498,389. PUBLISHED AUGUST 13, 1946. Class 6.

425,197. A BUBBLE BATH PREPARATION. STEPHEN E. RILEY, doing business as Stephen Riley Company, Los Angeles, Calif.
Filed March 18, 1946. Serial No. 498,460. PUBLISHED AUGUST 13, 1946. Class 6.

425,198. PERFUME, TOILET WATER, AND LOTION VEGETALE. JOHN PETER WILDE, doing business as Parfums D'Artimon, New York, N. Y.
Filed March 19, 1946. Serial No. 498,560. PUBLISHED AUGUST 13, 1946. Class 6.

425,199. PERFUME, TOILET WATER, AND LOTION VEGETALE. JOHN PETER WILDE, doing business as Parfums D'Artimon, New York, N. Y.
Filed March 19, 1946. Serial No. 498,561. PUBLISHED AUGUST 13, 1946. Class 6.

425,200. ANTACID FOR THE CONTROL OF GASTRIC ACIDITY. THE MALTINE COMPANY, New York, N. Y.
Filed March 27, 1946. Serial No. 499,064. PUBLISHED AUGUST 13, 1946. Class 6.

425,201. WHISKEY. CONSOLIDATED DISTILLERIES, INC., East Taunton, Mass.
Filed March 30, 1946. Serial No. 499,318. PUBLISHED AUGUST 13, 1946. Class 49.

425,202. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. CLOVERDALE SPRING COMPANY, Baltimore, Md.
Filed April 10, 1946. Serial No. 499,943. PUBLISHED AUGUST 13, 1946. Class 45.

425,203. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME. WEGENER'S INC., Detroit, Mich.
Filed April 12, 1946. Serial No. 500,152. PUBLISHED AUGUST 13, 1946. Class 45.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

425,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASCADE FROZEN FOODS, INC., Seattle, Wash.
Filed Dec. 11, 1944. Serial No. 477,398.

Agen

FOR FROZEN FRUITS AND VEGETABLES, SPECIFICALLY STRAWBERRIES, PEAS, AND ASPARAGUS.
Claims use since Nov. 1, 1944.

425,205. (CLASS 45. BEVERAGES, NONALCOHOLIC.) OLD FASHION MA'S ROOT BEER BOTTLING COMPANY, Wilkes-Barre, Pa. Filed Jan. 5, 1945. Serial No. 478,288.

QUALITY WITH REPUTATION

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since December 1, 1944.

425,206. (CLASS 39. CLOTHING.) BORIS SMOLER & SONS, INC., Chicago, Ill. Filed Mar. 31, 1945. Serial No. 481,588.

better half

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since Jan. 10, 1945.

425,207. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SALEM PRODUCTS CORP., New York, N. Y. Filed May 29, 1945. Serial No. 483,931.

"Pillow Sak"

FOR SHOULDER PADS DESIGNED FOR USE IN GARMENTS.
Claims use since Apr. 25, 1945.

425,208. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SALEM PRODUCTS CORP., New York, N. Y. Filed May 29, 1945. Serial No. 483,932.

"Pillow Shoulder Pad"

FOR SHOULDER PADS DESIGNED FOR USE IN WEARING APPAREL.
Claims use since Apr. 25, 1945.

425,209. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SALEM PRODUCTS CORP., New York, N. Y. Filed May 29, 1945. Serial No. 483,933.

"Pillow Slip"

FOR SHOULDER PADS DESIGNED FOR USE IN GARMENTS.
Claims use since Apr. 25, 1945.

425,210. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SALEM PRODUCTS CORP., New York, N. Y. Filed May 29, 1945. Serial No. 483,935.

"Slip Pillow"

FOR SHOULDER PADS DESIGNED FOR USE IN GARMENTS.
Claims use since Apr. 25, 1945.

425,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEO KRAEMER, Newark, N. J. Filed July 17, 1945. Serial No. 485,915.

KRAEMER'S

All Health

Hamburger

FOR HAMBURGER.
Claims use since May 1, 1943.

425,212. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) MAX SCHWARZ, New York, N. Y. Filed July 24, 1945. Serial No. 486,222.

MONTE CARLO

FOR TEXTILE PIECE GOODS—NAMELY, VOILE, COTTON CREPE, RAYON CREPE, COTTON AND RAYON MIXTURE CREPE, GINGHAM, CHAMBRAY, BROADCLOTH, PIQUE, MUSLIN, ORGANDY, AND LAWN.
Claims use since Sept. 14, 1922.

425,213. (CLASS 32. FURNITURE AND UPHOLSTERY.) ELLIS M. JOHNSON, doing business as Johnson Wood Specialties, Chicago, Ill. Filed Aug. 21, 1945. Serial No. 487,373.

"MIRRO-SHELF" Styled by JOHNSON

FOR WOODEN WALL SHELVES.
Claims use since Aug. 17, 1945.

425,214. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLYMOUTH PACKING COMPANY, Plymouth, Mass. Filed Sept. 26, 1945. Serial No. 489,009.

Point Judith

FOR CANNED MINCED CLAMS.
Claims use since Sept. 12, 1945.

425,215. (CLASS 39. CLOTHING.) M. BERMAN & SON, INC., doing business as Herlene Textile Company, Cincinnati, Ohio. Filed Oct. 4, 1945. Serial No. 489,387.

DON-LEE

FOR CHILDREN'S PLAY CLOTHES—NAMELY, SLACKS, WASH SUITS, SUN SUITS, HALTERS, HALTER AND SHORT SETS, COVER ALLS, OVERALLS, BOYS' SHORT PANTS, GIRLS' SHORTS, JUMPERS, SHIRTS, AND SLACK SUITS.
Claims use since Oct. 1, 1944.

425,216. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARNOLD BLAUSTONE, doing business as Durma Products Company, Minneapolis, Minn. Filed Oct. 8, 1945. Serial No. 489,558.

DURMASEPTIC

FOR PREPARATION FOR TREATING ATHLETE'S FOOT AND CALLOUSES.
Claims use since Aug. 29, 1945.

425,217. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KANNENGIESSER & COMPANY, New York, N. Y. Filed Oct. 12, 1945. Serial No. 489,872.

CAVENDISH

FOR FLAKED DRY BANANAS.
Claims use since Sept. 7, 1945.

425,218. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANNA AND DANNA, San Jose, Calif. Filed Oct. 15, 1945. Serial No. 489,946.

SARATOGA

DANNA & DANNA

FOR FRESH MELONS, FRESH VEGETABLES AND FROZEN FRESH VEGETABLES.
Claims use since October 1941.

425,219. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ADOLPH'S BEAUTY PRODUCTS CO., Philadelphia, Pa. Filed Oct. 23, 1945. Serial No. 490,349.

PERFECTION

FOR NON-ELECTRIC CURLING IRON.
Claims use since Sept. 15, 1944.

425,220. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN POULTRY COMPANY, Detroit, Mich. Filed Nov. 15, 1945. Serial No. 491,607.



FOR FROZEN CHICKEN WITH RICE, AND FROZEN CHICKEN WITH NOODLES.
Claims use since Sept. 14, 1945.

425,221. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER MAZZOLI, Brooklyn, N. Y. Filed Dec. 1, 1945. Serial No. 492,502.



FOR COFFEE.
Claims use since Dec. 19, 1943.

425,222. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARWIN DYESTUFF CORPORATION, Jersey City, N. J. Filed Dec. 4, 1945. Serial No. 492,637.

AQUAFAST

FOR DYESTUFF.
Claims use since Feb. 28, 1940.

425,223. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOOD COOPERATIVE, INC., Chicago, Ill. Filed Jan. 11, 1946. Serial No. 494,600.

Elna

FOR CHEESE.
Claims use since Aug. 8, 1945.

425,224. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SAPONIFIED PRODUCTS COMPANY, INC., Oakland, Calif. Filed Feb. 2, 1946. Serial No. 495,910.



SOFTONE

FOR PREPARATION FOR CLEANING AND PROTECTING THE SKIN.
Claims use since August 1945.

425,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER A. PELTON, Salt Lake City, Utah, assignor to Pelton Spudnut Company, Salt Lake City, Utah, a partnership. Filed Feb. 18, 1946. Serial No. 496,857.

PELTON'S SPUDNUTS

FOR DOUGHNUTS.
Claims use since Apr. 20, 1943.

425,226. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DANIELS FOOD PRODUCTS CO., Chicago, Ill. Filed Mar. 22, 1946. Serial No. 498,758.

La-Fay

FOR SALAD DRESSING AND FRENCH DRESSING.
Claims use since June 1, 1945.

TRADE-MARK REGISTRATIONS RENEWED

28,385. "C.C.C." ETC. AND DESIGN. COMPOSITION COATING OR VARNISHES. Registered June 16, 1896. THE DAVID B. CROCKETT COMPANY. Re-renewed June 16, 1946, to The Bissell Varnish Company, Bridgeport, Conn., a corporation of Connecticut. Class 16.

28,858. VTW. RAILROAD-TRACK, BLACKSMITHS', STONE-MASONS', MINING, IRONWORKERS', AND WOODWORKERS' TOOLS. Registered Sept. 1, 1896. VERONA TOOL WORKS, Pittsburg, Pa. Re-renewed Sept. 1, 1946, to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania. Class 23.

53,598. **"RED ROCK" ETC. AND DESIGN.** GINGER-ALE. Registered June 5, 1906. HAGAN & DODD CO. Re-renewed June 5, 1946, to The Red Rock Company, Atlanta, Ga., a corporation of Georgia. Class 45.

53,950. **OPAL-GLOSS.** VARNISH-STAINS. Registered June 19, 1906. THE DAVID B. CROCKETT COMPANY. Re-renewed June 19, 1946, to The Bissell Varnish Company, Bridgeport, Conn., a corporation of Connecticut. Class 16.

54,088. **EUQUININE.** DERIVATIVES OF CINCHONA ALKALOIDS. Registered June 19, 1906. VEREINIGTE CHININFABRIKEN ZIMMER & CO., GES MIT BESCHRÄNKTER-HAFTUNG, Frankfort-on-the-Main, Germany. Re-renewed June 19, 1946, to The Chemical Foundation, Incorporated, New York, N. Y., a corporation of New York. Class 6.

54,591. **IDEAL.** ROLLED OATS. Registered June 26, 1906. WILKINSON, GADDIS & CO., Newark, N. J. Re-renewed June 26, 1946, to American Stores Company, Philadelphia, Pa., a corporation of Delaware. Class 46.

55,129. **FAB-RI-KO-NA.** DRAPERIES, HANGINGS, AND WOVEN FABRICS ADAPTED TO BE ATTACHED TO WALLS. Registered Aug. 7, 1906. H. B. WIGGIN'S SONS COMPANY, Bloomfield, N. J., a corporation of New Jersey. Re-renewed Aug. 7, 1946. Class 42.

56,707. **REPRESENTATION OF A QUAKER.** PREPARED RICE. Registered Oct. 16, 1906. THE AMERICAN CEREAL COMPANY, Akron, Ohio, Chicago, Ill., and Cedar Rapids, Iowa. Re-renewed Oct. 16, 1946, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Class 46.

56,708. **QUAKER.** PREPARED RICE. Registered Oct. 16, 1906. THE AMERICAN CEREAL COMPANY, Akron, Ohio, Chicago, Ill., and Cedar Rapids, Iowa. Re-renewed Oct. 16, 1946, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Class 46.

56,714. **CURTICE.** SOUPS, VEGETABLES, FRUITS, PUDDINGS, AND CATCHUP PACKAGED IN AIR-TIGHT CLOSURES. Registered Oct. 16, 1906. CURTICE BROTHERS CO., Rochester, N. Y., a corporation of New York. Re-renewed Oct. 16, 1946. Class 46.

57,227. **CRUSHED STEEL.** ABRASIVES USED IN THE VARIOUS ARTS, FOR POLISHING, ETC., GLASS, MARBLE, GRANITE, STONE, IRON, STEEL, AND THE LIKE. Registered Nov. 6, 1906. PITTSBURGH CRUSHED STEEL CO. LIMITED. Re-renewed Nov. 6, 1946, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 4.

57,620. **QUAKER.** OATMEAL, ROLLED OATS, CRACKED WHEAT, ROLLED WHEAT, FARINA, HOMINY GRITS, PEARLED BARLEY, PREPARED RICE, AND BREAKFAST FOODS. Registered Nov. 13, 1906. THE AMERICAN CEREAL COMPANY, Akron and Ravenna, Ohio, Chicago, Ill., and Cedar Rapids, Iowa. Re-renewed Nov. 13, 1946, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Class 46.

57,674. **REPRESENTATION OF AN OBLONG-SHAPED DESIGN.** SOAP. Registered Nov. 27, 1906. FELS & COMPANY. Re-renewed Nov. 27, 1946, to Fels & Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 4.

57,717. **WEEK END.** CANDY. Registered Nov. 27, 1906. MANUFACTURING COMPANY OF AMERICA. Re-renewed Nov. 27, 1946, to Thos. D. Richardson Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 46.

57,783. **"HOLEPROOF" AND DESIGN.** HOSIERY. Registered Nov. 27, 1906. HOLEPROOF HOSIERY CO., Milwaukee, Wis., a corporation of Wisconsin. Re-renewed Nov. 27, 1946. Class 39.

57,785. **PENNANT.** SPOOL-COTTON OR SEWING-THREAD. Registered Nov. 27, 1906. JOHN J. CLARK & CO., Pawtucket, R. I. Re-renewed Nov. 27, 1946, to W. Warren Thread Works, Westfield, Mass., a corporation of Massachusetts. Class 43.

57,845. **"THE LITTLE DOCTOR" AND DRAWING.** TONIC PREPARATIONS AND COMPOUNDS FOR RELIEF OF INFLAMMATION, AND DISORDERS OF THE NERVES, THROAT, BLOOD, MUSCLES, AND CERTAIN ORGANS. Registered Nov. 27, 1906. BROWN MFG. CO., Greenville, Tenn. Re-renewed Nov. 27, 1946, to Brown Mfg. Co., Le Roy, N. Y., a corporation of Tennessee. Class 6.

57,873. **WHITE S. M. CO.** FAMILY SEWING-MACHINES, MANUFACTURING SEWING-MACHINES, SEWING-MACHINE ATTACHMENTS PERTAINING TO AND USED ON SEWING-MACHINES, SEWING-MACHINE COVERS, TABLES, AND STANDS. Registered Nov. 27, 1906. WHITE SEWING MACHINE CO. Re-renewed Nov. 27, 1946, to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware. Class 23.

208,894. **RACE TRACK.** FRESH GRAPES. Registered Feb. 9, 1926. W. G. MICKE, Lodi, Calif. Renewed Feb. 9, 1946. Class 46.

210,702. **GIVE YOUR CAR THE "DOUBLE O".** LUBRICATING OIL AND GREASE. Registered Mar. 23, 1926. OTIS OIL COMPANY, INC. Renewed Mar. 23, 1946, to Ilsley Doubleday & Co., New York, N. Y., a corporation of New York. Class 15.

211,718. **"LA INTIMIDAD" ETC.** CIGARS, CIGARETTES, AND CUT TOBACCO. Registered Apr. 20, 1926. PEGO Y CA., S. EN C. Renewed Apr. 20, 1946, to Cifuentes y Compañia, Habana, Cuba, a partnership. Class 17.

212,271. **"ME-TEE-OR" ETC. AND DESIGN.** GASOLINE, KEROSENE, FUEL OIL PETROLEUM DISTILLATE. Registered Apr. 27, 1926. W. H. BARBER COMPANY, Minneapolis, Minn., a corporation of Delaware. Renewed Apr. 27, 1946. Class 15.

213,574. **RAINBOW.** TROUT FLIES AND LEADERS. Registered June 1, 1926. THE GEORGE TRITCH HARDWARE COMPANY. Renewed June 1, 1946, to Whitney Sporting Goods Company, Denver, Colo., a corporation of Colorado. Class 22.

213,586. **INDOLENE.** GASOLINE, KEROSENE, AND OTHER LIQUID MOTOR FUEL. Registered June 1, 1926. INDEPENDENT OIL AND GAS COMPANY, Tulsa, Okla. Renewed June 1, 1946, to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Class 15.

213,587. **INDOLUBE.** AXLE GREASES, GEAR GREASES, AND LUBRICATING GREASES AND LUBRICATING AND FUEL OILS. Registered June 1, 1926. INDEPENDENT OIL AND GAS COMPANY, Tulsa, Okla. Renewed June 1, 1946, to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Class 15.

214,102. **"HEBERLEIN" ETC. AND DESIGN.** FABRICS OF COTTON, WOOL, LINEN, SILK, ARTIFICIAL SILK, OR COMPOSED OF AT LEAST TWO OF THESE MATERIALS, AND EMBROIDERIES, ALL IN THE PIECE, FOR WEARING APPAREL. Registered June 15, 1926. HEBERLEIN & CO., A. G., Wattwil, Switzerland, a corporation of Switzerland. Renewed June 15, 1946. Class 42.

214,791. **"TIGER" AND DRAWING.** ROLLED OATS. Registered July 6, 1926. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed July 6, 1946. Class 46.

215,280. **"RATIN" AND DESIGN.** BACTERIOLOGIC PREPARATIONS USED FOR DESTROYING RATS AND MICE. Registered July 13, 1926. A/S BAKTERIOLOGISK LABORATORIUM "RATIN", Frederiksberg, near Copenhagen, Denmark, a corporation of Denmark. Renewed July 13, 1946. Class 6.

215,329. **DTW.** WIRES, CABLES, JACKS, PLUGS, CONDENSERS, FIXED CONDENSERS, VARIABLE CONDENSERS, BYPASS CONDENSERS, TRANSFORMERS, GRID LEAKS, LOOP ANTENNÆ, LOUD SPEAKERS, AND CERTAIN OTHER NAMED ELECTRICAL SUPPLIES. Registered July 13, 1926. TOBE C. DEUTSCHMANN, Boston, Mass. Renewed July 13, 1946, to Tobe C. Deutschmann, Canton, Mass. Class 21.

215,546. **OB.** METAL CASTINGS SUCH AS COPPER, BRASS, AND BRONZE CASTINGS, MALLEABLEIZED CAST IRON AND STEEL CASTINGS. Registered July 20, 1926. THE OHIO BRASS COMPANY, Mansfield, Ohio, a corporation of New Jersey. Renewed July 20, 1946. Class 14.

215,822. **"SABLE BRAND" ETC. AND DRAWING.** ELECTROLYTIC ZINC. Registered July 27, 1926. THE RHODESIA BROKEN HILL DEVELOPMENT COMPANY, LIMITED, London, England, an incorporated company of the United Kingdom of Great Britain. Renewed July 27, 1946. Class 14.

215,869. **CRYSTALITE.** WATER-SOFTENING MATERIALS. Registered July 27, 1926. INTERNATIONAL FILTER CO. Renewed July 27, 1946, to Infilco Incorporated, Chicago, Ill., a corporation of Delaware. Class 6.

215,898. **LA SALLE.** MEN'S AND BOYS' HATS AND CAPS. Registered July 27, 1926. HARRY SALESKY, doing business as The La Salle Company. Renewed July 27, 1946, to La Salle Hat Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Class 39.

216,606. **"ROYAL CORD FABRICS".** PLAIN AND FANCY CORDUROYS. Registered Aug. 17, 1926. NEW YORK MILLS CORPORATION. Renewed Aug. 17, 1946, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. Class 42.

216,731. **DRASHEEN.** WOOLEN DRESS GOODS AND DRESS FABRICS OF SILK AND WOOL AND COTTON AND WOOL IN THE PIECE. Registered Aug. 17, 1926. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Renewed Aug. 17, 1946, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. Class 42.

216,732. **ROSESHEEN.** WOOLEN DRESS GOODS AND DRESS FABRICS OF SILK AND WOOL AND COTTON AND WOOL IN THE PIECE. Registered Aug. 17, 1926. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Renewed Aug. 17, 1946, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. Class 42.

217,746. **"RED UMBRELLA" AND DESIGN.** CORNED BEEF. Registered Sept. 7, 1926. FRED WALKER & CO. PROPRIETARY LIMITED, Melbourne, Victoria, Australia. Renewed Sept. 7, 1946, to Kraft Walker Cheese Company Proprietary Limited, South Melbourne, Victoria, Australia, an incorporated company of Victoria, Australia. Class 46.

217,906. **TRUFOOD.** MILK POWDER FOR FOOD. Registered Sept. 14, 1926. TRUFOOD LIMITED, London and Wrenbury, near Nantwich, Cheshire, England. Renewed Sept. 14, 1946, to Trufood Limited, London, England, a corporation of the United Kingdom of Great Britain. Class 46.

218,558. **CARDINEL GEM.** COAL. Registered Sept. 28, 1926. THE S. J. PATTERSON COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed Sept. 28, 1946. Class 1.

218,618. **PANOCLEAN.** PETROLEUM PRODUCTS—NAMELY, A NAPHTHA TO BE USED BY CLEANERS AND DYERS. Registered Sept. 28, 1926. PANHANDLE REFINING COMPANY, Wichita Falls, Tex., a corporation of Texas. Renewed Sept. 28, 1946. Class 15.

219,049. **"RAYOTEX" AND DESIGN.** MEN'S AND WOMEN'S UNDERWEAR OF COTTON, BALBRIGGAN, AND RAYON. Registered Oct. 12, 1926. THE RAYOTEX KNITTING MILLS. Renewed Oct. 12, 1946, to The Rayotex Knitting Mills, Inc., Perry, N. Y., a corporation of New York. Class 39.

219,129. **O.K.** CALCINED GYPSUM, WALL PLASTERS, CEMENT PLASTER, AND FINISHING PLASTER. Registered Oct. 12, 1926. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 12, 1946. Class 12.

219,483. **PAPER TRADE JOURNAL.** WEEKLY TRADE MAGAZINE. Registered Oct. 19, 1926. LOCKWOOD TRADE JOURNAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Oct. 19, 1946. Class 38.

220,123. **PENZEROL.** LUBRICANTS IN OIL AND GREASE FORM. Registered Nov. 2, 1926. THE PENNZOIL CO. INC., Buffalo, N. Y. Renewed Nov. 2, 1946, to The Pennzoil Company, Oil City, Pa., a corporation of Pennsylvania. Class 15.

220,138. **"STERLING SYSTEM HOMES" AND DESIGN.** READY-CUT HOUSES AND LUMBER. Registered Nov. 2, 1926. JOHN KANTZLER & SONS, Bay City, Mich., a firm. Renewed Nov. 2, 1946. Class 12.

220,283. **"METAL CRAFT".** AUTOMOBILE BODY HINGES, FLAT-WASHERS STAMPINGS, AND SPRING-WASHER ASSEMBLIES. Registered Nov. 9, 1926. THE METAL CRAFT COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Nov. 9, 1946. Class 13.

220,309. **LOXOL.** LINIMENT. Registered Nov. 9, 1926. F. AD. RICHTER & CO. Renewed Nov. 9, 1946, to F. Ad. Richter & Co. Inc., Brooklyn, N. Y., a corporation of New York. Class 6.

220,323. **PINOFLOR.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, LOTION FOR THE SKIN AND HAIR, BRILLIANTINE, SACHET, BATH SALTS, DENTIFRICES. Registered Nov. 9, 1926. PARFUMERIE J. LESQUENDIEU (SOCIETE ANONYME), Paris, France. Renewed Nov. 9, 1946, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware. Class 6.

220,363. **PREMIER.** MARBLES, STONES, GRANITE, SLATE, AND SOAPSTONE (UNCUT AND UNFINISHED STONES). Registered Nov. 9, 1926. TOMPKINS-KIEL MARBLE CO., New York, N. Y. Renewed Nov. 9, 1946, to Tompkins-Kiel Marble Co., Long Island City, N. Y., a corporation of New York. Class 1.

220,563. **"HEALTH BIRDS-EYE" ETC. AND DRAWING.** COTTON DIAPER CLOTH IN THE PIECE. Registered Nov. 9, 1926. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., a corporation of Virginia. Renewed Nov. 9, 1946. Class 42.

220,580. **"RDCM" ETC. AND DRAWING.** COTTON DIAPERS. Registered Nov. 9, 1926. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., a corporation of Virginia. Renewed Nov. 9, 1946. Class 39.

220,693. **HAWKEYE.** VARIOUS KINDS OF BASKETS MADE OF STRAW BRAID, WOOD, AND WILLOW AND BASKET REFRIGERATORS FOR USE OF TOURISTS, CAMPERS, PICNICKERS, IN SICK ROOMS, AND FOR VARIOUS OTHER PURPOSES. Registered Nov. 16, 1926. BURLINGTON BASKET COMPANY, Burlington, Iowa, a corporation of Iowa. Renewed Nov. 16, 1946. Class 2.

220,694. **TYPOLIT.** VARNISH SPECIALTIES AND COMPOSITIONS TO BE USED IN MAKING PRINTING AND LITHOGRAPHING INKS—NAMELY, GOLD LIQUID, PASTE DRIER, GLOSS COPAL VARNISH, DULLIT, COBALT LINOLEATE DRIER, AND NON-OFFSET COMPOUND. Registered Nov. 16, 1926. JOHN MAFFENBEIER, doing business as John Maff. Renewed Nov. 16, 1946, to John Maff, Inc., Newark, N. J., a corporation of New Jersey. Class 11.

220,709. **DOUBLE-GRIP.** GAUGE PINS AND FEED GUIDES DESIGNED FOR THE PRINTING TRADE. Registered Nov. 16, 1926. ALFRED V. HART, executor under the will of Edward L. Megill, doing business as Edward L. Megill. Renewed Nov. 16, 1946, to Alfred L. Megill, Brooklyn, N. Y. Class 23.

220,711. **EXTENSION FEED.** GAUGE PINS AND FEED GUIDES DESIGNED FOR THE PRINTING TRADE. Registered Nov. 16, 1926. ALFRED V. HART, executor under the will of Edward L. Megill, doing business as Edward L. Megill. Renewed Nov. 16, 1946, to Alfred L. Megill, Brooklyn, N. Y. Class 23.

220,713. **FLEXIBLE.** GAUGE PINS AND FEED GUIDES DESIGNED FOR THE PRINTING TRADE. Registered Nov. 16, 1926. ALFRED V. HART, executor under the will of Edward L. Megill, doing business as Edward L. Megill. Renewed Nov. 16, 1946, to Alfred L. Megill, Brooklyn, N. Y. Class 23.

220,714. **GOLDEN-STEEL.** GAUGE PINS AND FEED GUIDES DESIGNED FOR THE PRINTING TRADE. Registered Nov. 16, 1926. ALFRED V. HART, executor under the will of Edward L. Megill, doing business as Edward L. Megill. Renewed Nov. 16, 1946, to Alfred L. Megill, Brooklyn, N. Y. Class 23.

220,715. **ORIGINAL.** GAUGE PINS AND FEED GUIDES DESIGNED FOR THE PRINTING TRADE. Registered Nov. 16, 1926. ALFRED V. HART, executor under the will of Edward L. Megill, doing business as Edward L. Megill. Renewed Nov. 16, 1946, to Alfred L. Megill, Brooklyn, N. Y. Class 23.

220,716. **PERFECT.** GAUGE PINS AND FEED GUIDES DESIGNED FOR THE PRINTING TRADE. Registered Nov. 16, 1926. ALFRED V. HART, executor under the will of Edward L. Megill, doing business as Edward L. Megill. Renewed Nov. 16, 1946, to Alfred L. Megill, Brooklyn, N. Y. Class 23.

220,717. **SPRING TONGUE.** GAUGE PINS AND FEED GUIDES DESIGNED FOR THE PRINTING TRADE. Registered Nov. 16, 1926. ALFRED V. HART, executor under the will of Edward L. Megill, doing business as Edward L. Megill. Renewed Nov. 16, 1946, to Alfred L. Megill, Brooklyn, N. Y. Class 23.

220,818. **DURO.** BILLIARD CLOTH. Registered Nov. 16, 1926. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del. and Chicago, Ill. Renewed Nov. 16, 1946, to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Class 42.

220,845. **"RICHMOND" AND DRAWING.** UNBLEACHED COTTON SHEETINGS, BLEACHED FABRICS, AND YARN-DYED FABRICS MADE WHOLLY OF COTTON. Registered Nov. 16, 1926. OTTO H. HINCK, New York, N. Y. Renewed Nov. 16, 1946. Class 42.

220,944. **"KNAPP FELT" ETC. AND DESIGN.** CAPS AND HATS OF FELT, STRAW, SILK, CLOTH, AND FUR FOR MEN AND WOMEN. Registered Nov. 16, 1926. THE CROFUT & KNAPP CO., South Norwalk, Conn. Renewed Nov. 16, 1946, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 39.

220,990. **DUCA D'AMALFI.** WINES. Registered Nov. 23, 1926. ITALIAN AMERICAN VINEYARD COMPANY. Renewed Nov. 23, 1946, to San Gabriel Vineyard Company, San Gabriel, Calif., a copartnership. Class 47.

221,005. **AMERICAN BEAUTY.** TEA. Registered Nov. 23, 1926. IRWIN-HARRISONS-WHITNEY, INC., Philadelphia, Pa., a corporation of Delaware. Renewed Nov. 23, 1946. Class 46.

221,020. **LAINETTE.** COTTON GOODS IN THE PIECE. Registered Nov. 23, 1926. AMERICAN BLEACHED GOODS COMPANY, INC. Renewed Nov. 23, 1946, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware. Class 42.

221,036. **ED. PINAUD.** PERFUMED SOAPS, TOILET SOAPS, SHAVING SOAP STICKS, SHAVING SOAP PASTE AND POWDER. Registered Nov. 23, 1926. PINAUD, INCORPORATED, New York, N. Y., a corporation of New York. Renewed Nov. 23, 1946. Class 4.

221,071. **MANSCO.** TEXTILE UNDERWEAR FOR MEN—NAMELY, SHIRTS, DRAWERS, AND UNION SUITS. Registered Nov. 23, 1926. THE MANHATTAN SHIRT COMPANY, New York, N. Y., a corporation of New York. Renewed Nov. 23, 1946. Class 39.

221,114. **AMBLECO.** COTTON GOODS IN THE PIECE. Registered Nov. 23, 1926. AMERICAN BLEACHED GOODS COMPANY, INC. Renewed Nov. 23, 1946, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware. Class 42.

221,128. **SIZE-MATIC.** PRECISION GRINDING MACHINES USED FOR THE PRODUCTION OF METAL ARTICLES. Registered Nov. 23, 1926. THE HEALD MACHINE COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed Nov. 23, 1946. Class 23.

221,134. **"CONTINENTAL NURSERIES" ETC. AND DESIGN.** SHRUBS, ROSEBUSHES, VINES, PERENNIALS, HEDGING, BULBS, SMALL FRUIT TREES, EVERGREENS, LARGE FRUIT TREES, AND ORNAMENTAL TREES. Registered Nov. 23, 1926. BROWN BROTHERS COMPANY, Rochester, N. Y. Renewed Nov. 23, 1946, to Brown Brothers Company, Penfield, N. Y., a corporation of New York. Class 1.

221,136. **MILE HIGH.** FIELD, GARDEN, AND FLOWER SEEDS. Registered Nov. 23, 1926. GRAND JUNCTION SEED CO. Renewed Nov. 23, 1946, to Mile High Seed Company, Grand Junction, Colo., a firm. Class 1.

221,158. **KUMFORT-ARCH.** LEATHER SHOES. Registered Nov. 23, 1926. EMERSON SHOE MFG. CO., Rockland, Mass. Renewed Nov. 23, 1946, to R. P. Hazzard Co., Augusta, Maine, a corporation of Maine. Class 39.

221,165. **TI-TWO.** LACQUERS, VARNISHES, JAPANS, AND DRY COLORS, DRY, PASTE, AND READY-MIXED PAINTS, PAINT AND LACQUER ENAMELS AND DOPE, A LIQUID PREPARATION FOR PAINTING AND PRESERVING THE WINGS OF AIRCRAFT OF TEXTILE OR OTHER MATERIAL TO RENDER THEM SMOOTH, WATERPROOF, FIREPROOF, AND WEATHERPROOF, AND THINNERS FOR THESE PRODUCTS. Registered Nov. 23, 1926. TITANINE, INC., Union, N. J., a corporation of New York. Renewed Nov. 23, 1946. Class 16.

221,175. **"OUR OWN".** HOUSE PAINT, PAINT ENAMELS, VARNISH STAINS, VARNISHES, BARN PAINT, AND GARAGE PAINT. Registered Nov. 23, 1926. CON-FERRO PAINT & VARNISH COMPANY. Renewed Nov. 23, 1946, to Con-Ferro Paint & Varnish Company, St. Louis, Mo., a corporation of Delaware. Class 16.

221,183. **VERNAX.** FURNITURE POLISH. Registered Nov. 23, 1926. ARTHUR S. VERNAY, INC., New York, N. Y., a corporation of New York. Renewed Nov. 23, 1946. Class 16.

221,202. **BUSTER BROWN.** HOSIERY. Registered Nov. 23, 1926. UNITED HOSIERY MILLS CORPORATION, Chattanooga, Tenn., a corporation of Tennessee. Renewed Nov. 23, 1946. Class 39.

221,233. **SATINOID.** READY-MIXED PAINTS. Registered Nov. 23, 1926. THE HANNA PAINT MANUFACTURING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Nov. 23, 1946. Class 16.

221,341. **BRODE SOIESETTE.** COTTON PIECE GOODS. Registered Nov. 30, 1926. PONEMAH MILLS, Taftville, Conn., a corporation of Connecticut. Renewed Nov. 30, 1946. Class 42.

221,364. **PULVO.** PULVERIZED LIME. Registered Nov. 30, 1926. NEW ENGLAND LIME COMPANY, Pittsfield, Mass. Renewed Nov. 30, 1946, to New England Lime Company, Adams, Mass., a corporation of Delaware. Class 12.

REISSUES

NOVEMBER 5, 1946

22,808
ANTIOXIDANTS

Louis H. Howland, Watertown, and Philip T. Paul, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Original No. 2,377,423, dated June 5, 1945, Serial No. 396,580, June 4, 1941. Application for reissue May 23, 1946, Serial No. 671,889

7 Claims. (Cl. 260—800)

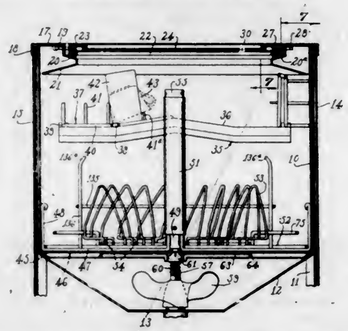
1. A method of preserving organic substances which tend to deteriorate by absorption of oxygen from the air which comprises incorporating therein a product of reaction at a temperature in the range from about 100° C. to about 200° C. in the presence of an acidic catalyst of a monomeric 1,3 butadiene hydrocarbon and a primary aromatic polyamine compound, said amino groups being primary amino groups, the proportion of the said butadiene in the reaction mix being in molecular excess compared to the molecular proportion of the amine.

22,809
DISHWASHING MACHINE

Lawrence A. Loeb, New Haven, Conn.

Original No. 2,342,742, dated February 29, 1944, Serial No. 396,534, June 4, 1941. Application for reissue April 17, 1944, Serial No. 531,361

13 Claims. (Cl. 134—140)



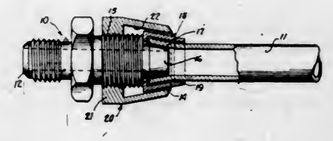
1. A dishwashing machine comprising a tub, a dish-supporting rack movably mounted in the tub, means for elevating said rack from a lower to a higher position in the tub, said means comprising a rotatable threaded shaft projecting upwardly into the tub, a nut threadedly engaged with said shaft and disposed below said rack to raise and lower the same upon rotation of said shaft, and means on said rack adapted to be non-rotatably engaged with the nut to prevent rotation of the latter with the shaft.

22,810
DETACHABLE COUPLING

Albert W. Miller, Jamaica, N. Y.

Original No. 2,383,010, dated August 21, 1945, Serial No. 499,928, August 25, 1943. Application for reissue April 26, 1946, Serial No. 665,052

19 Claims. (Cl. 285—86)

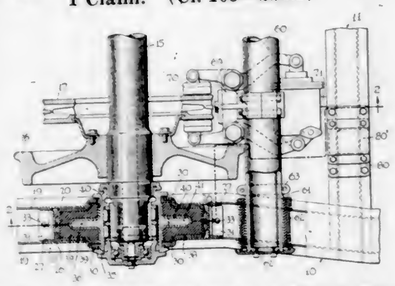


1. In a detachable tube coupling including a screw-threaded boss, a tube end fitting, a collar comprised of a plurality of longitudinal segments that act independently of each other, said segments having exterior tapered surfaces, a screw-threaded binding nut to engage the threaded boss of the said coupling, said binding nut having a portion embracing the exterior surfaces of said segments, and means to control and limit the longitudinal movement of said segments, said binding nut contracting the said segments to squeeze said segments into gripping relation on a tube, and said binding nut and said segments operating to force said tube into a firm connection with the said tube end fitting.

PATENTS

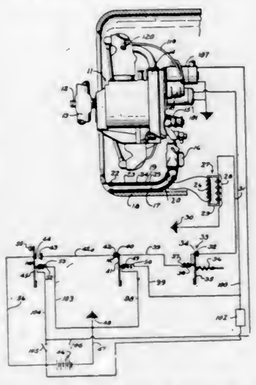
GRANTED NOVEMBER 5, 1946

2,410,402
AXLE SUSPENSION
Joseph Ledwinka, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application September 17, 1943, Serial No. 502,721. Divided and this application September 12, 1944, Serial No. 553,691
1 Claim. (Cl. 105—224.1)



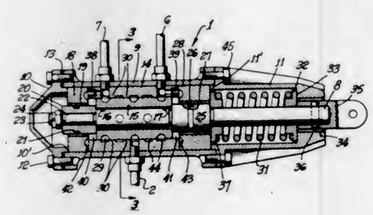
In a truck for railway cars, a frame, an end supporting member for an axle such as an axle box, vertically and longitudinally extending fins or narrow projections extending transversely to and on each side of the axle in the direction of travel on said end member, members of resilient material such as rubber provided with a vertical slot each having their outer surfaces and the walls of said slot lined with and adhesively attached to U-section metal members, said fins or projections of the end member fitting into and being held by the metal members lining the slots whereas the outer metal members are supported in the frame.

2,410,403
METHOD OF AND APPARATUS FOR STARTING ENGINES
Albert G. Bodine, Jr., Burbank, Calif., assignor to The Calpat Corporation, Los Angeles, Calif., a corporation of California
Application June 12, 1943, Serial No. 490,583
8 Claims. (Cl. 290—37)



1. In an apparatus for starting operation at any atmospheric temperature of a spark ignition engine utilizing an air-gasoline mixture in proportions employed during engine operation, which engine has an air inlet, a spark ignition system for generating a spark in a combustion chamber, and starter means for energizing such system, the combination of: a source of high potential electric current; electrode means connected to said source and positioned in and adapted for generating ozone in the air inlet; switch means adapted for opening and closing the connection between said source and said electrode means independently of the actuation of the starter means; and means adapted for automatically opening said switch means upon commencement of engine operation.

2,410,404
VALVE
J. D. Buchanan, Burbank, Calif.
Application November 15, 1943, Serial No. 510,389
4 Claims. (Cl. 251—76)

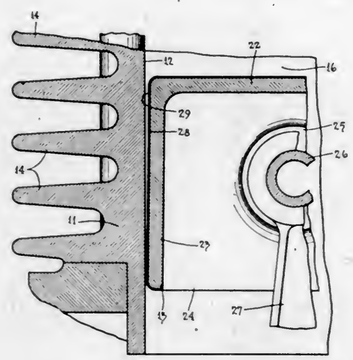


2. A valve comprising the combination of a hollow cylindrical valve seat having inlet, outlet and return ports, a cylindrical valve head slidably fitting in said seat with a close tolerance, a valve stem in said valve head, a piston head on said valve stem at each end of said valve head, means for retaining said valve head between said piston heads with a tolerance permitting lateral movement of said valve head on said valve stem, spaced resilient ring seals on said valve stem supporting said valve head for lateral displacement, and a bearing at each end of said valve head, each of said bearings having a bore in which one of said piston heads slidingly fits.

2,410,405
PISTON
Richard T. Cornelius, Minneapolis, Minn.
Application January 1, 1945, Serial No. 570,916
10 Claims. (Cl. 309—4)

4. A piston for use in a cylinder having an inner surface of predetermined uniform diameter throughout the portion thereof traversed by the piston, said piston having a pressure end, a free end and a circumferential portion, a layer of chrome covering said circumferential portion and

having an outer surface following along the inner surface of the piston, said outer surface of the



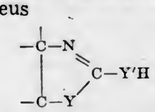
chrome layer tapering from the free end of the piston to the pressure end thereof.

2,410,406
PROCESS FOR PRODUCING MEPACRINE DIHYDROCHLORIDE
William Arthur Cowdrey and Arthur George Murray, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 21, 1944, Serial No. 541,462. In Great Britain June 16, 1943
8 Claims. (Cl. 260—279)

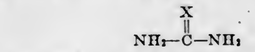
3. In the manufacture of the dihydrochloride of 2-methoxy-6-chloro-9-(4'-diethylamino-1'-methyl-butylamino)-acridine, the step which comprises heating together, in a phenol as solvent, approximately equimolecular proportions of 2-amino-5-diethylaminopentane and a 2-methoxy-6-chloro-9-aryloxyacridine in the presence of a quantity of hydrogen chloride amounting to between 1.25 and 2.25 equivalents per mole of the aminopentane.

2,410,407
MANUFACTURE OF CARBAMIDE DERIVATIVES
John R. Durland, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 15, 1942, Serial No. 451,011
15 Claims. (Cl. 260—302)

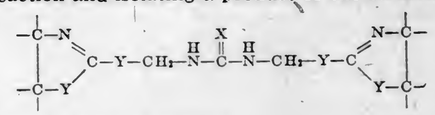
1. The method of reacting a compound containing the nucleus



in which Y and Y' are selected from a group consisting of sulfur and selenium, with formaldehyde and a compound having the formula



in which X is selected from the group consisting of oxygen, sulfur and selenium which comprises conducting the reaction at a pH of at least 7.5 but not more than 11 in the presence of a catalyst comprising a substance having an alkaline reaction and isolating a product of the structure

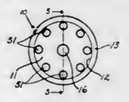


from the reaction mixture.

2,410,408
STABILIZATION OF VINYL COMPOUNDS
John R. Durland, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 1, 1944, Serial No. 524,637
8 Claims. (Cl. 260—666.5)

5. The method of preventing polymerization of a styrene monomer which comprises incorporating therein a proportion of a monosulfide of a dihydric phenol sufficient to inhibit polymerization.

2,410,409
CONSTRUCTION TOY ELEMENT
Earl Weston Farmer, Wayzata, Minn.
Application September 27, 1945, Serial No. 618,867
2 Claims. (Cl. 46—23)

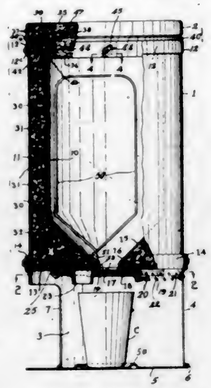


1. In combination, a toy element consisting of a pair of circular disks of metal, each having a central opening and a plane-faced central portion with an angularly flaring rim, a tubular collar member having a central opening adapting it to be secured to a shaft and having a threaded part to extend through said openings in the disks, a washer on said threaded part having an opening eccentric to the center of the washer, a crank blade on said washer of less thickness than the thickness of the washer, a nut on the threaded extension clamping the disks upon the eccentric washer to leave the crank blade free to move thereon, and a shaft extending through the opening in the collar and secured thereto.

2,410,410
STORAGE AND DISPENSING DEVICE
Joseph J. Garubo, Detroit, Mich.
Application April 2, 1943, Serial No. 481,525
4 Claims. (Cl. 222—185)

1. A dispensing container for foods of granular form, said container having a top receiving opening for the food and a relatively restricted bottom discharge opening, a hollow base for the container for supporting the bottom thereof above a receiving receptacle, said hollow base being open at one side, a valve plate movably disposed in position to open and close the discharge opening, spring means within the hollow base and operatively bearing against the valve plate and tending to force the valve plate in a direction to seal the discharge opening, and a lever pivoted to the container and having an arm portion extending out of the hollow base to enable manual operation of the lever, said lever being swingable in a plane substantially parallel to the principal plane of the valve plate, another portion of the lever being operatively connected

with the valve plate for movement of the latter in a direction to oppose the spring means where-



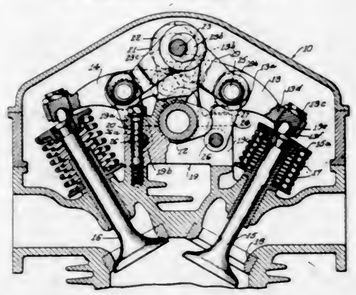
by to move the valve plate into position to permit the contents of the container to be discharged.

2,410,411

ENGINE VALVE CONTROL MECHANISM

Alfred T. Gregory, Massapequa, N. Y., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y., a corporation of Maryland

Application May 19, 1942, Serial No. 443,572
2 Claims. (Cl. 123—90)



1. A mechanism for varying the timing of valves for internal combustion engines, comprising a cylinder head, a shackle pivotally connected to said head having a pivot pin at its free end, a substantially straight rocker pivotally mounted at about its mid-portion on said pivot pin, a cam shaft on said cylinder head engageable with one end of said rocker for rocking said rocker, a valve engageable with the other end of and actuated by said rocker, and an eccentric for rocking said shackle to displace said rocker endwise and displace said one end angularly around the axis of said cam shaft.

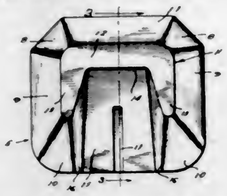
2,410,412

MAT AND HEEL PROTECTOR

Herbert Hurford, Chicago, Ill.

Application February 17, 1945, Serial No. 578,527
4 Claims. (Cl. 74—564)

1. A protector pad for shoe heels and floor mats of the class described comprising a rubber pad adapted to be attached to the mat at a predetermined point, said pad being flat on its bottom, having a beveled outer relatively flexible marginal portion, and the top of said pad being provided with a single recess for reception and accommodation of the shoe heel of the user, the



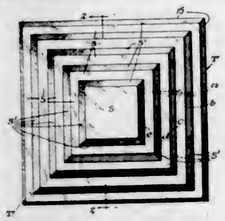
bottom of said recess slanting downwardly and outwardly toward the perimeter edge.

2,410,413

ACOUSTIC TILE

Albert B. Hurley, Huntington, N. Y.

Application February 10, 1943, Serial No. 475,349
10 Claims. (Cl. 154—44)



1. An acoustic tile for walls and ceilings, said tile comprising a plurality of annular frames and a plaque all made of thick porous light-weight sound-absorbing board laid face to face, said frames progressively decreasing in size and being arranged in stepped relation, the largest frame forming the base of the tile and being attachable to a wall or the like, and the plaque being smallest and vibratable and forming the apex of the tile, the exposed face of the tile thereby presenting an angularly broken and increased surface area for high frequency sound absorption, and the central body of the tile being vibratable for low frequency sound absorption.

2,410,414

ADHESIVE COMPOSITION

Charles William Johnson, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 17, 1943, Serial No. 498,981
8 Claims. (Cl. 20—89)

1. A resin composition comprising a homogeneous mixture of a polyvinyl acetal resin in which the hydroxyl content is between 10% and 20% and from 2 to 30 per cent thereof of an organic complex of the Werner type in which a trivalent chromium atom is coordinated with a carboxylic acido group having at least 10 carbon atoms.

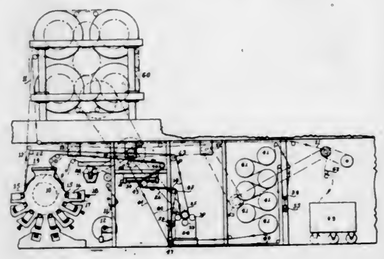
2,410,415

TEXTILE PRINTING APPARATUS

Albert S. Jones, Dudley, Mass., assignor to Cranston Print Works Company, Cranston, R. I., a corporation of Rhode Island

Application May 6, 1944, Serial No. 534,400
7 Claims. (Cl. 101—425)

1. The method of printing a fabric comprising the steps of passing the fabric progressively through the printing zone formed by printing and backing cylinders of a printing press while backed by a separate endless backing strip which receives the excess of color from the printing operation, separating the strip from the printed fabric, washing the strip progressively at a point remote from the press to remove said color, progressively contacting an extensive surface of the washed strip simultaneously with a large surface area of a blotting strip and blotting moisture from the washed strip and transporting it therefrom, and returning the endless strip progressively to the printing zone for backing another portion of the fabric passing between said cylinders.



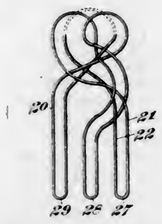
4. A textile printing apparatus comprising printing and backing cylinders forming a printing zone, an endless backing strip, means for leading the fabric between the cylinders with its unprinted face in contact with said strip so that the latter receives the excess of printing color, washing mechanism remote from said cylinders, means for leading the backing strip progressively to said mechanism to wash the color from said surface, a blotting strip, means for moving the blotting strip and the wet washed backing strip in a simultaneous extensive surface contact so that washing fluid is removed from the backing strip substantially wholly by absorption, and means for progressively returning the backing strip to the printing zone without materially heating it.

2,410,416

ROPE SLING

Robert F. Joy, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Application February 29, 1944, Serial No. 524,497
16 Claims. (Cl. 87—8)



9. A flexible multi-part sling formed from a single elementary strand, said sling comprising a plurality of interwoven loops, each of said loops comprising two body members alternately divided and paired by body members of adjacent loops alternately disposed intermediate said divided portions and around said paired portions.

2,410,417

VITAMIN AND MINERAL DIETARY SUPPLEMENT AND METHOD OF MAKING

Carl N. Andersen, Wellesley, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine

No Drawing. Application March 4, 1944, Serial No. 525,101
7 Claims. (Cl. 167—81)

1. A substantially homogeneous edible composition containing both mineral and vitamin nutrient components, comprising at least one water-soluble vitamin normally deteriorative and incompatible with minerals, individual particles of which are protected with a moisture and air resistant film-forming water-insoluble plastic inert with respect to said vitamin and effecting a physical separation of said coated vitamin from said mineral and from any other components with which said vitamin is incompatible, said plastic being permeable to digestive fluids so that the coated vitamins remain available for absorption in the digestive tract, said coated vitamin particles being a free-flowing uniform granulation compressible into tablets.

2,410,418

MODIFICATION OF ALKYD RESINS

Laszlo Auer, South Orange, N. J.

No Drawing. Application October 12, 1942, Serial No. 461,799
3 Claims. (Cl. 260—22)

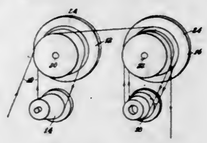
3. A process for altering the properties of long oil alkyd resins which comprise about 73% fatty oil acid glycerides and about 27% glycerol phthalate, which process comprises the incorporation in the long oil alkyd resin of from about 0.5% to about 10% of p-toluene sulpho chloride and heating the mixture to a temperature between about 260° C. and the boiling or decomposition point of the mixture, whichever is lower, until a material is produced which manifests a substantial increase in viscosity, as compared to the same long oil alkyd resin heated in the same way but without the incorporation of the p-toluene sulpho chloride.

2,410,419

SNUBBER ROLLER

James Bellezza, Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

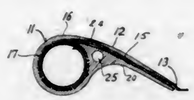
Application August 19, 1943, Serial No. 499,285
12 Claims. (Cl. 57—1)



1. For use in combination with a wheel over and about which a yarn passes a plurality of times, a freely rotatable snubber roller, about which the yarn passes between each successive pass around said wheel, to cause the yarn to pass around said wheel in spaced relationship to the prior pass of the yarn thereabout and having a plurality of steps, the first step which cooperates with the yarn having the largest diameter and each succeeding step which cooperates with the respective successive pass of the yarn over and about said wheel being of a diameter less than the preceding step, the succeeding steps being forwardly of said first step in the direction toward

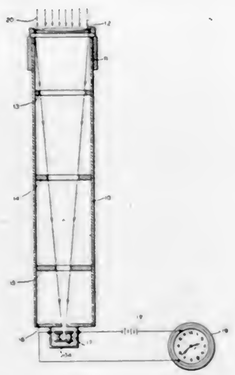
the front of said snubber roller, and means on said roller before each step to impart a twist in the yarn as it passes from the wheel to said snubber roller.

2,410,420
SCRAPER
Robert B. Bennett, Detroit, Mich.
Application January 1, 1944, Serial No. 516,690
4 Claims. (Cl. 15—236)



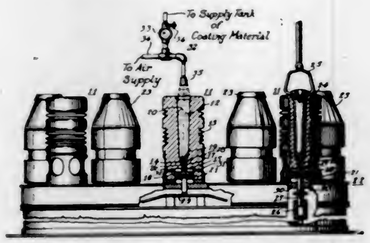
4. A scraper for utensils comprising a hollow container, a hollow longitudinally projected throat member forming a part of said container, and having an arcuately shaped mouth on the outer end thereof, and a coil of a relatively stiff plastic material provisioned within said container with one end of said coil projecting through said throat and mouth members providing beyond said mouth an operative scraper edge, said mouth defining a corresponding arcuate shape in said material, the outer end of said material being adapted for flattening upon a surface to be scraped, whereby said arcuate portion terminating in said flattened portion will provide a greatly stiffened scraper edge.

2,410,421
SOLAR OPERATED ELECTRIC SWITCH
James M. Brady, Washington, D. C.
Application November 27, 1943, Serial No. 511,927
13 Claims. (Cl. 200—138)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A solar operated time signal device comprising in combination, a light converging lens means, a heat responsive electrical switch disposed substantially at the focal point of said lens means, a source of electrical energy controlled by said switch, said lens and said switch being adapted to be positioned in a plane intersecting the transit of the sun at any desired point thereon, and means for light shielding said switch whereby it is responsive at the instant the sun is positioned at said point.

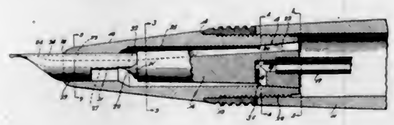
2,410,422
GLASSMAKING MACHINERY
George A. Breene, Emlenton, and Louis D. Garratt, New Castle, Pa.
Application December 14, 1943, Serial No. 514,208
12 Claims. (Cl. 49—1)



1. In glass making machinery provided with a table disposed to be indexed forward, in combination, a block mold having a cavity for receiving a gob of glass and an opening leading from the cavity, the mold being carried by the table, a valve disposed to close the mold opening and cooperative in presenting a substantially continuous cavity face for molding, means cooperative for delivering a medium carrying a material for coating the cavity face into the cavity, and means for effecting the operation of the valve as the table is indexed forward to vent the cavity when the medium carrying the coating material is being delivered thereby to effect a uniform cooling of the inner portion of the mold and the delivery of the coating material to the cavity face.

10. A valve for use in a glass making block mold having a valve opening in its lower end and carrying a cylinder into which the valve opening leads comprising in combination, a valve stem adapted to fit and to be slidably mounted in the valve opening, the upper end of the stem being shaped to conform to the contour of the inner surface of the mold, and a head provided on the lower end of the stem, the head simulating a piston and adapted to be disposed in the cylinder to provide a piston and cylinder combination for actuating the stem, the stem being provided with a groove starting a predetermined distance below the upper end thereby providing an end portion on the stem adapted to close the valve opening when the upper end is aligned with the inner surface of the mold, the groove being so disposed that it will vent the mold when the stem is raised a predetermined distance in the valve opening.

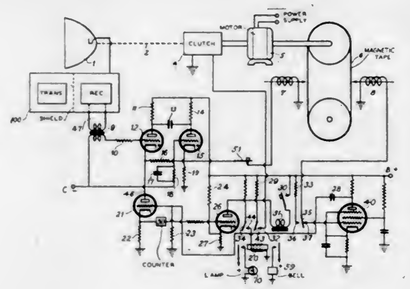
2,410,423
FOUNTAIN PEN
Thomas F. Brinson, Atlanta, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a corporation of Georgia
Application October 14, 1944, Serial No. 558,674
15 Claims. (Cl. 120—50)



1. In a fountain pen: a barrel comprising a reservoir section and a feed section; a feed bar

supported by and in said feed section; a nib associated with said bar and feed section; a portion of the interior of said feed section spaced from the surface of said bar to provide an excess ink storage space of capillary dimensions; said feed bar formed with ink supply duct means extending from the interior of the reservoir section to a position adjacent the point of said nib and freely opening into said space substantially throughout the length of the latter; and means providing an air vent from said storage space to said reservoir section.

2,410,424
OBSTACLE DETECTION SYSTEM
Charles H. Brown, Baldwin, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1942, Serial No. 455,207
25 Claims. (Cl. 250—11)

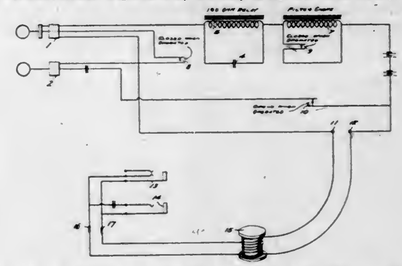


1. The method of detecting an obstacle by ultra short radio waves which comprises directively radiating ultra short radio wave pulses which are short compared to the time intervals between them, automatically scanning a field uniformly at a very low audio frequency rate while radiating said pulses, receiving wave pulses reflected from an obstacle in the scanning field at time intervals lying between the periods of pulse radiation, utilizing the received pulses to stop the scanning, and audibly indicating the reception of said wave pulses.

2,410,425
ORGANIC POLYBASIC ACID POLYESTERS OF HYDROXYDIHYDRONORPOLYCYCLOPENTADIENES
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 13, 1944, Serial No. 526,313
6 Claims. (Cl. 260—475)

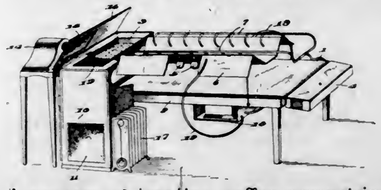
1. As a new compound, a polydihydronorpolycyclopentadienyl ester of a polybasic organic carboxylic acid, said ester being the acid-catalyzed addition-rearrangement product of a polybasic carboxylic acid and a crystalline polycyclopentadiene having two double bonds and one to four endomethylene cycles per molecule, said ester being further characterized by having each carboxylic ester group attached to a terminal cycle from the rearranged polycyclopentadiene at a secondary carbon atom thereof, the opposite terminal cycle thereof being a five-membered ring containing one olefinic linkage.

2,410,426
CONTROL SYSTEM FOR REMOTELY POSITIONED RADIO APPARATUS
David H. Chaney, United States Army, Cass County, N. Dak.
Application May 3, 1945, Serial No. 591,762
4 Claims. (Cl. 179—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



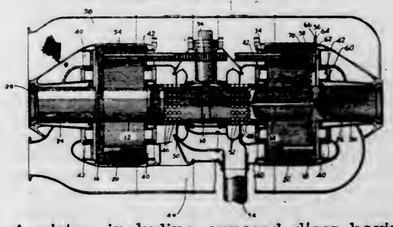
1. In a remote control device for radio apparatus, a jack for receiving a microphone, a jack for a headset, a first plug for insertion in a remotely positioned radio apparatus, a circuit connecting the first plug with the microphone jack, switches in said circuit which are closed when the microphone circuit is operated, a second plug adapted for insertion in radio apparatus, a circuit connecting said second plug with the headset jack, a switch in the headset circuit, and means for maintaining the last mentioned switch open when the microphone circuit is in operation.

2,410,427
TREATING OILS AND FATS
Bartlett H. Stafford Chappell, Hurley, N. Y.
Application April 23, 1943, Serial No. 484,272
2 Claims. (Cl. 99—65)



1. A process of treating coffee comprising the step of exposing said coffee after roasting to infra-red rays at a temperature below 200° F.

2,410,428
PISTON CONSTRUCTION FOR COMPRESSOR UNITS
Val Cronstedt, Marlboro, and Andrew Kalitinsky, Eagleville, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,933
9 Claims. (Cl. 309—4)



7. A piston including opposed discs having a number of similarly arranged ribs on the adja-

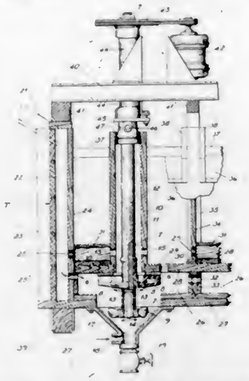
cent surfaces, said ribs having interengaging teeth and grooves to prevent relative movement between the ribs.

2,410,429

AGITATION AND AERATION APPARATUS

Arthur C. Daman, Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware

Application March 6, 1944, Serial No. 525,208
15 Claims. (Cl. 261—93)



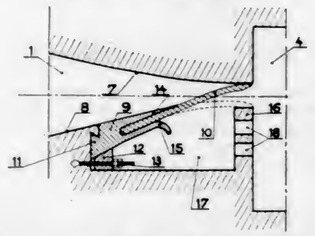
1. In agitation and aeration apparatus, an impeller disposed in the lower portion of a body of pulp or the like; a propelling device disposed beneath said impeller sufficiently close to said impeller to move settled material or the like upwardly toward said impeller and feed same directly thereto; and means for conducting air to the space below said impeller and also below said propelling device.

2,410,430

VALVE SYSTEM FOR SEA WAVE POWER INSTALLATIONS

Pierre F. Danel, Grenoble, France, assignor to Ateliers Neyret-Beylier & Piccard-Pictet (Societe Anonyme), Grenoble, France

Application October 12, 1945, Serial No. 622,035
In France June 20, 1945
15 Claims. (Cl. 61—20)



13. In an installation for recovering energy from sea waves which includes a concentrating canal having side walls diverging seawardly for receiving the waves and increasing their amplitude as they travel inwardly therein, a reservoir at the inner end of the canal for impounding water from the canal, and a valve arrangement for conducting water from the canal to the reservoir and preventing return flow of water from the reservoir to the canal, the improved valve arrangement which includes a flexible flap lying in prolongation of one of said side walls and extending vertically continuously over the portion of the valve through which water is to be conducted, and a fixed vertical surface on the floor of the installation against which the lower end of said flap rests when the valve is in closed position.

2,410,431

ALKYL MERCAPTO SUBSTITUTED AMINO BENZOIC ACID ALKAMINE AMIDES, SALTS, INTERMEDIATES, AND PROCESS OF PREPARING SAME

John J. Donleavy, Montclair, N. J., assignor to Allied Laboratories, Inc., Kansas City, Mo.

No Drawing. Application April 24, 1943, Serial No. 484,472
5 Claims. (Cl. 260—558)

1. An organic compound having the formula

para-R'S-meta-$NH_2C_6H_3CONH(CH_2)_xNR''R'''$

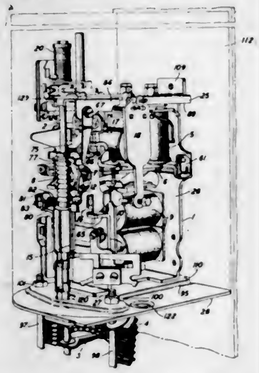
where x is an integer greater than one and less than four and R', R'' and R''' represent alkyl radicals containing not more than six carbon atoms.

2,410,432

SWITCHING MECHANISM

Percy B. Drake, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 23, 1943, Serial No. 515,384
5 Claims. (Cl. 179—27.52)



5. An automatic step-by-step switch having a shaft and wipers thereon for establishing electrical connections, a lifting magnet having an armature and a pawl for lifting said shaft, a rotary magnet having an armature and a pawl for rotating said shaft, a holding pawl for maintaining the shaft in lifted and rotated positions, a release magnet having an armature for controlling said holding pawl to release said shaft from an actuated position, a sheet metal frame for mounting said shaft, magnets, armatures and pawls comprising a top plate, a bottom plate, a front plate, a back plate and an intermediate plate between said front and back plates spot-welded together, means including extensions from said back plate for rotatably mounting the armature for the lifting magnet, a bracket spot-welded to the front plate and formed to definitely limit and guide the operative movements of the pawl for said lifting magnet, means including extensions and formations on the back plate, the bottom plate and intermediate plate for rotatably mounting the armature for the rotary magnet, a

second bracket spot-welded to the front plate, means mounted on said second bracket for adjustably limiting and guiding the operative movements of the pawl for the rotary magnet, means including an extension from the front plate and a bracket mounted on said front plate for adjustably mounting and rotatably holding said holding pawl, a hood forming with the bottom plate a dust-proof cover for said magnets, armatures, pawls and a portion of the shaft, a support for said frame and extensions on the top and bottom plates for securing said frame to said support.

2,410,433

DRY ROSIN SIZE AND METHOD OF MAKING THE SAME

Arthur C. Dreshfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 14, 1941, Serial No. 398,065
5 Claims. (Cl. 260—105)

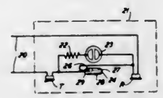
1. The method of making a dry saponified rosin size which comprises saponifying a rosin under substantially atmospheric pressure with a concentrated aqueous solution of an alkali metal carbonate to an extent not more than about 80% of theoretical complete saponification, to form a concentrated paste size which is substantially free of carbonates, subsequently saponifying said paste size with a concentrated aqueous solution of an alkali metal hydroxide in an amount adapted to provide a substantially neutral saponified rosin size, at a temperature between about 135° C. and about 180° C. and under autogenic pressure, and then discharging the said saponified mixture at said temperature and under said pressure into a drying zone maintained at substantially atmospheric pressure, whereby there is produced a dry, non-caking, substantially neutral size.

2,410,434

TELEPHONE

William H. Edwards, Fort Monmouth, N. J., and Max S. Richardson, Wickford, R. I., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 25, 1942, Serial No. 466,842
4 Claims. (Cl. 179—103)



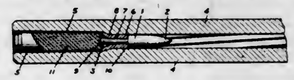
1. A telephone handset comprising a hollow housing of insulating material including an intermediate hand grip portion and also opposite end portions for a telephone transmitter at one end and a telephone receiver at the other end, a gas discharge tube in said hand grip portion, a circuit for serially interconnecting said transmitter, receiver, and tube, said circuit being responsive to ringing current, whereby said tube provides a visual indication of ringing current and the receiver emits an audible signal, a capacitance bridging said receiver for increasing the audibility of said receiver signal, and a mercury switch disposed in said hand grip portion for shunting said tube and conditioning said transmitter and receiver for talking purposes, said switch adapted to be open when the housing is in its normal position of rest and adapted to be closed when the housing is removed from its position of rest.

2,410,435

CARTRIDGE FOR GUNS

John O. Evans, Jr., United States Army, Washington, D. C.

Application June 5, 1942, Serial No. 445,957
1 Claim. (Cl. 102—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



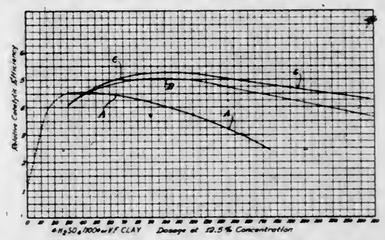
A cartridge comprising an elongated case providing a powder chamber receiving a propelling charge and having a neck portion at one end, said neck portion having thick walls providing a substantially cylindrical orifice, a projectile having a forwardly tapered shank portion extending inwardly through the said orifice of said case, making a sliding gas-tight joint with the inner surface of said orifice and providing a primary propulsion surface at the end of said shank, said projectile having a head portion providing a secondary propulsion surface, the outside diameter of the head of said projectile being not greater than the outside diameter of the neck portion of said case.

2,410,436

CATALYSTS AND CATALYTIC PROCESSES

Frederick J. Ewing, Pasadena, Calif., assignor to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware

Application September 7, 1942, Serial No. 457,625
14 Claims. (Cl. 196—52)



12. A process of converting hydrocarbons which comprises subjecting hydrocarbons at an elevated temperature to an activated aluminated acid leached montmorillonite clay, produced by treating a sub-bentonite of the montmorillonite family with acid to reduce the base exchange capacity of said clay to less than 90 and more than 30 milliequivalents per 100 grams of clay, and combining said clay in the presence of water with precipitated hydrated alumina formed by reaction between an aluminum salt and an added base and producing by such combination a clay combined with said hydrated alumina and having a base exchange capacity within the range of about 50 to about 90 milliequivalents per 100 grams of clay.

2,410,437

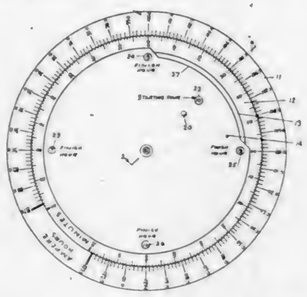
COMPUTER

Nathan W. Feldman, Newark, N. J.

Application September 19, 1945, Serial No. 617,415
3 Claims. (Cl. 235—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

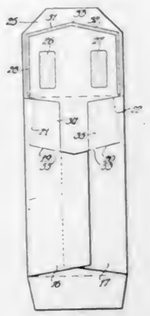
3. A computer for use in determining the ampere hour discharge of a storage battery which discharges at the rate of ten amperes per hour

comprising a pivot, an ampere hour disc on said pivot having ampere hour graduations thereon from 90.0 to 120.0 through an arc of 270°, a minute disc on said pivot concentric with said ampere hour disc and rotatable relative thereto and having minute graduations through 270° with each 90° graduated from 0 to 60, said minute graduations being in registration with said ampere hour graduations, a masking disc on said pivot for rotation with said minute disc and having peripheral openings at 90° intervals in registration with said zero minute graduations and a random opening, an hour disc on said pivot



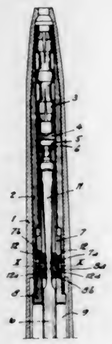
between and rotatable relative to said masking disc and said minute disc and inscribed with a series of numerals from 1 to 12 beneath said masking disc openings whereby when a numeral is exposed beneath said random opening the numerals exposed beneath successive peripheral openings will differ from said random opening numeral so as to successively indicate a time lapse of 9 to 12 hours, an arcuate slot in said hour disc, and means extending through said slot for locking said masking disc and minute disc together and for limiting rotation of said hour disc relative to said masking disc on said minute disc.

2,410,438
SIFTER PACKAGE FOR PHARMACEUTICALS
Mack R. Fields, Chicago, Ill., assignor to Abbott Laboratories, a corporation of Illinois
Application January 6, 1944, Serial No. 517,212
6 Claims. (Cl. 206—63.2)



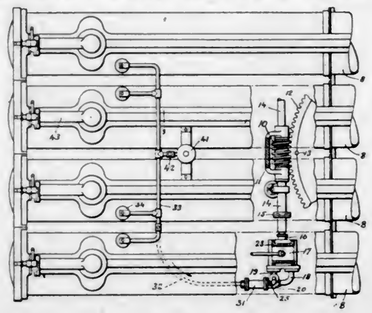
1. A package of the class described comprising an inner container, an outer envelope enclosing said inner container, said envelope having a pair of walls and a closure flap extending from the upper end of one of said walls, said flap being folded over the outside of the other wall to close the envelope, said other wall being provided with a centrally disposed opening in its upper end and with weakened lines of severance extending outwardly from the side edges defining said central opening, into proximity to the outer edges of the envelope, and thence upwardly toward the upper end of the wall, said lines of severance defining readily removable inner corner portions, said flap being adhesively secured to said removable corner portions and also to the wall of the envelope below said corner portions, said envelope being adapted to be opened by pulling said flap from said other wall so as to break the adhesive bond between the flap and said wall below said removable corner portions, the adhesive bond between said flap and said removable portions being of such strength that said removable portions will remain united to the flap and be removed from the envelope wall to thereby form in said envelope an opening affording free access to said inner container.

2,410,439
DENTAL HAND-PIECE CHUCK
Claude Etienne Garnier, Besancon, France; vested in the Alien Property Custodian
Application March 18, 1942, Serial No. 435,196
In France May 20, 1941
12 Claims. (Cl. 279—54)



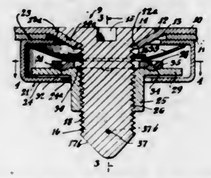
1. A rotary tool holding device, which comprises, in combination, a relatively stationary hollow outer body, a socket mounted to rotate in said body, a jawed tool holder longitudinally slidable therein for controlling the tightening of its jaws, two longitudinally spaced sleeves fitting in said socket, the forward one of said sleeves being slidable therein and engaging the rear end of said holder, the rearward sleeve being fixed on said socket, a piece in said body providing a rear abutment for said socket, a driving shaft extending through said piece and said socket, a control piece carried by the end of said shaft extending into both sleeves and having at least one relatively uniformly inclined surface, and at least one wedge positioned in the space between said sleeves and slidably bearing against said inclined surface of the control piece, slots formed in the sleeves in which the wedge seats to key the sleeves for rotation together, said wedge and the slot of at least one of said sleeves being provided with cooperating oblique faces, whereby an outward radial movement of said wedge produced by a longitudinal displacement of the control piece effects longitudinal displacement of the forward sleeve acting to tighten the jaws of the tool holder on a tool inserted therein.

2,410,440
AUTOMATIC HYDRAULIC BRAKE
Charles A. Green, Washington, D. C., and Ernest M. Seifert, Brooklyn Park, Md.
Application January 12, 1938, Serial No. 184,592
12 Claims. (Cl. 114—239)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



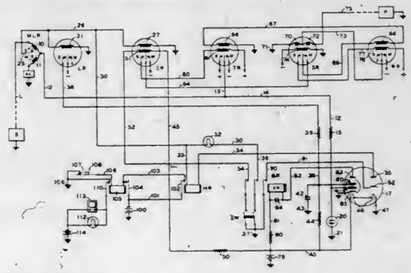
1. The combination with a torpedo tube mounted to be movable in train, training mechanism therefor including a rotatable shaft positively connected to drive said tube in train, and means to introduce into said tube a fluid propulsive agent to expel a torpedo therefrom, of a device having a part connected to said shaft to rotate therewith, fluid circulating means driven by said part, a conduit connected to convey fluid from the discharge to the intake of said circulating means, a quick shut-off rotary valve in said conduit to control the flow of fluid therethrough, a first cylinder, a first piston therein, means operatively connecting said piston to operate said valve, resilient means acting upon said piston to hold said valve normally open, a second cylinder having one end in communication with the interior of said tube adjacent the point of admission of said agent, a second piston in said second cylinder movable away from said tube by the pressure of said agent, resilient means normally holding said second piston at the limit of its movement toward said tube, a fluid system connecting said cylinders to each other whereby movement of said second piston by said agent is transmitted to said first piston to move said valve to the closed position and prevent circulation of fluid through said conduit, a container connected to said system to supply fluid thereto, and means to prevent return of fluid from said system to said container.

2,410,441
FASTENER ASSEMBLY
Mark Hattan, Dayton, Ohio
Application January 11, 1944, Serial No. 517,803
33 Claims. (Cl. 24—221)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fastener comprising a receptacle, a nut mounted within said receptacle, a locking plate associated with said nut and contained within said receptacle, a resilient locking element positioned in said receptacle and in operative engagement with said plate, a locking stud adapted to be inserted through said member and plate into cooperative engagement with said nut, means for locking said plate and stud in locking relation relative to said receptacle when said stud is turned, and means for limiting the turning movement of said stud.

2,410,442
AUTOMATIC BLIND AND HIT DETECTOR
Charles G. Hieronymus, Hollis, N. Y., and Garvice H. Ridings, Summit, and Raleigh J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application December 11, 1943, Serial No. 513,918
8 Claims. (Cl. 178—58)

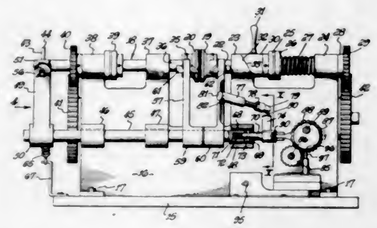


1. In a half-duplex system, a telegraph line and a two-way repeater connected thereto for repeating permutation code impulses received from and transmitted to the line, said repeater comprising a line relay having an armature operable between marking and spacing contacts for producing negative and positive current pulses respectively in accordance with marking and spacing impulses received from said line, means including a relay in said repeater for transmitting permutation code impulses to said line, means operable when transmission of code impulses is proceeding to said line for detecting a hit on the line, said means including a hit detecting relay controlled by the armature of said line relay and operable when the armature of the line relay is actuated to its spacing contact by a hit occurring on the line for giving an indication of such condition, and relay means automatically operative to prevent false operation of the hit relay when the armature of the line relay engages its spacing contact during the normal reception of code impulses received from said line.

2,410,443
APPARATUS FOR SHAPING OBJECTS PROVIDED WITH CURVED SURFACES
Howard G. Hoffer, Santa Monica, Calif.
Application May 25, 1945, Serial No. 595,858
20 Claims. (Cl. 82—18)

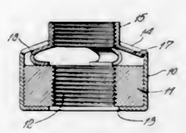
7. An apparatus for bevel cutting the edges of lenses and other objects comprising a frame, a rotatable spindle thereon, power means for rotating the spindle, means for clamping a lens blank in a plane substantially transverse to the axis of the spindle, a pattern cam carried and rotated by said spindle, a longitudinally shiftable rocker shaft having thereon a cam follower and a longitudinally disposed bevel cutter adapted to be spaced from the center of the blank in con-

formance with the position of the cam follower on the cam and a feed mechanism for moving the bevel cutter into operative position comprising a rotating element mounted on an axis adjacent the rocker shaft and a crank arm movably at-



tached at one end to the rotating element and at the other end to the rocker shaft and adapted when moved in one direction to advance the cutter through a cutting operation and when moved in the opposite direction to remove it from cutting position.

2,410,444
SELF-LOCKING NUT
Otto J. Huelster, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 16, 1944, Serial No. 540,581
6 Claims. (Cl. 151—21)

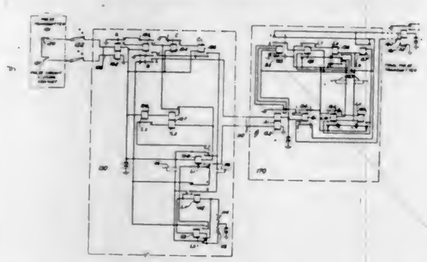


1. A self-locking nut comprising a cup-shaped sheet metal shell of polygonal configuration having a central bottom aperture, an apertured nut member in said shell engaging the shell bottom, a tubular member, a plurality of bowed spring legs extending from one end of said member with their ends engaging the face of said nut member, a plurality of lugs extending from said end of said tubular member into contact with the shell wall and having tapered ends fitting shell corners and tabs projecting from the shell rim in overlying contact with said lugs, said nut member and said tubular member having identical but out-of-phase interior threads.

2,410,445
PRODUCTION OF DIOLEFINIC HYDROCARBONS BY REACTION OF AN ALCOHOL WITH AN ACETYLENIC HYDROCARBON
Vladimir N. Ipatieff and Herman Pines, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 25, 1942, Serial No. 466,923
10 Claims. (Cl. 260—681)

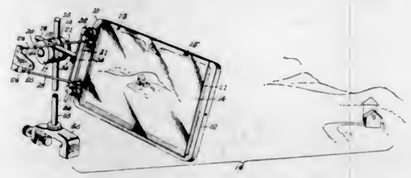
8. A process for producing a diolefin which comprises reacting an alcohol and an acetylenic hydrocarbon at a temperature of from about 200° C. to about 600° C. in the presence of a dehydrating and dehydrogenating catalyst consisting of at least one oxide selected from the group consisting of alumina, thoria, magnesia and silica.

2,410,446
PULSING SYSTEM
Amos E. Joel, Jr., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1944, Serial No. 524,669
5 Claims. (Cl. 177—380)



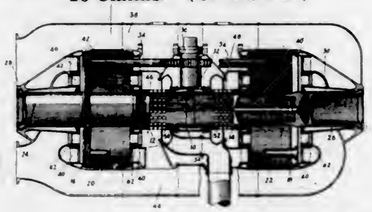
1. In a pulse transmitting system, a pulse sending transmitter operable to transmit trains of pulses of variable numbers of successive pulses in each train, a first pulsing mechanism, a second pulsing mechanism, a line interconnecting said first and second pulsing mechanisms, means for connecting said pulse sending transmitter to said first pulsing mechanism, means in said first pulsing mechanism automatically operable in response to the number of pulses in a train received from said transmitter for transmitting a smaller number of pulses over said line than received from said sending transmitter or for transmitting the same number over said line as received from said sending transmitter, and means in said second pulsing mechanism for transmitting, in response to each train of pulses received over said line from said first pulsing mechanism, a train of the same number of pulses as sent by said sending transmitter.

2,410,447
SKETCHING DEVICE
Nathan H. Juran, United States Navy, Hermosa Beach, Calif.
Application October 30, 1944, Serial No. 561,143
6 Claims. (Cl. 35—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



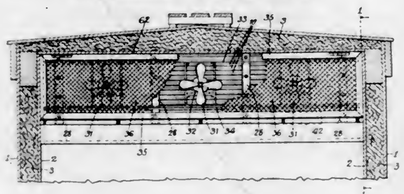
1. A collapsible sketching device comprising an easel having a transparent pane, an apertured viewing tab adjustably mounted on said easel, said viewing tab adapted to be actuated in a manner such that the viewing tab is brought into spaced, parallel relation with the easel and at the same time centering said aperture of said viewing tab with the center of the easel, and means to support the easel and viewing tab in a desired position comprising a supporting standard, a supporting arm attached to the easel, and a universal connection between the supporting standard and the supporting arm.

2,410,448
SCAVENGE SYSTEM FOR ENGINES
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 11, 1943, Serial No. 486,611
16 Claims. (Cl. 123—51)



9. In an engine, a cylinder, opposed pistons movable alternately toward and away from each other in said cylinder, said cylinder having scavenge and exhaust ports adjacent one end of the cylinder to be uncovered by one of the pistons in its outward movement, the other end of the cylinder having a scavenge port adapted to be uncovered by said other piston during its outward movement, the scavenge port at one end being larger than the scavenge port at the other end.

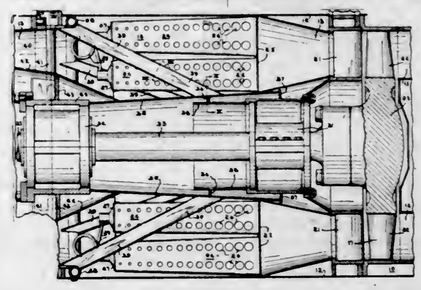
2,410,449
REFRIGERATOR CAR
Herman W. Kleist, Chicago, Ill.
Application April 7, 1943, Serial No. 482,097
15 Claims. (Cl. 62—102)



2. A refrigerator car comprising a car body having a ceiling, a plurality of vacuum plates arranged in the interior of the car near the ceiling and separated by spacers, an expansion valve associated with said vacuum plates, means for supplying a refrigerant to said expansion valve, a series of connections from said expansion valve to said vacuum plates, one for each plate, an air-moving device at one end of said plurality of vacuum plates moving the cooled air through the spaces between the vacuum plate for discharge into the interior of the car, a return pipe leading from said vacuum plates to the refrigerant source, a controlling bulb in said return pipe connected with said expansion valve for closing the expansion valve when the temperature reaches a predetermined low point.

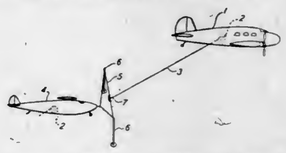
2,410,450
TURBINE APPARATUS
Reinout P. Kroon, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 30, 1943, Serial No. 474,093
5 Claims. (Cl. 60—41)

1. A gas turbine comprising a casing, a shaft journaled within said casing, a turbine rotor carried by said shaft, a heating chamber formed within said casing adjacent said rotor and arranged to discharge motive fluid heated therein to said rotor for driving the same, a pair of spaced bearings disposed within said casing in the vicinity of said heating chamber for supporting said shaft, and bearing supporting means connected to each of said bearings, the bearing supporting means of each bearing being connected to said



casing closely adjacent one another, the bearing supporting means for one of said bearings extending at an acute angle to the axis of said shaft, the bearing supporting means for the other bearing being disposed at substantially right angles to said shaft and substantially tangential to its bearing housing.

2,410,451
AERIAL PICKUP DEVICE
Max E. Landry, Tulsa, Okla.
Application June 26, 1942, Serial No. 448,596
2 Claims. (Cl. 258—1.2)

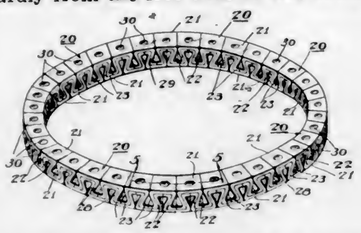


2. In an aerial pick-up device, a grappling line, means on the grappling line to connect it to a load to be picked up, a reel adapted to be carried by an aircraft and on which the grappling line is wound, the line being unwound from the reel and the reel being rotated by the force exerted on the cable by the load during a pick-up operation, a hydraulic brake having two relatively rotatable elements, one of which is connected to the reel, means for holding the other of said elements against rotation whereby as the reel is rotated by the force exerted on the cable by the load the major part of the force will be absorbed by liquid in the brake, and mechanical brake means acting on the reel to hold it against rotation after its rate of rotation has been substantially reduced by the hydraulic brake.

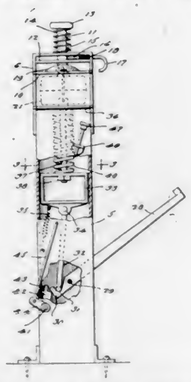
2,410,452
PISTON RING
William S. Loeb, Philadelphia, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa.
Application December 16, 1944, Serial No. 568,408
22 Claims. (Cl. 309—45)

1. An oil-control piston-ring comprising a plurality of individual circumferentially-disposed bent and folded segments of sheet metal or the like, each of said segments being integrally formed and having a base disposed in a generally radial plane, a pair of converging sides extend-

ing generally axially from said base and having a gap intermediate their free ends, and a pair of flanges extending generally circumferentially outwardly from the free ends of said sides, successive segments being alternately in upper and lower position with the flanges of successive upper segments disposed in abutting relationship within the converging sides of the intervening lower segment and vice versa.



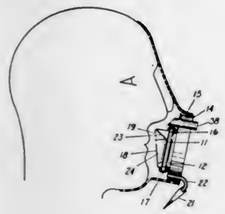
2,410,453
DENTURE PACKING
Earl S. Mills, Eugene, Oreg.
Application March 14, 1944, Serial No. 526,459
3 Claims. (Cl. 18—5.7)



3. In a denture packing machine, a pair of upper and lower vertically slidable pressure plates, a denture flask holder interposed between said plates and yieldable under pressure against the same, manipulative means to move the upper plate downwardly into different set positions against said holder, and treadle-operative means for subsequently exerting yielding pressure upwardly against the lower plate comprising a treadle-forming lever vertically swingable and having a short lever arm, a rod movable upwardly by said arm, a vertically slidable connector between said rod and lower plate, operative by said rod, and a coil spring interposed between said connector and lower plate.

2,410,454
VOICE-TRANSMITTING GAS MASK
Armand V. Motsinger, near Aberdeen, Md.
Application May 17, 1938, Serial No. 208,408
12 Claims. (Cl. 128—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

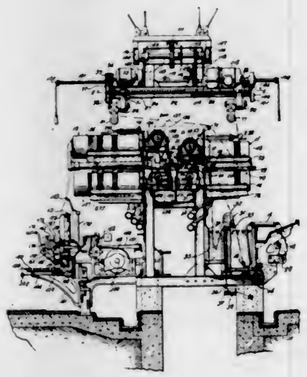
5. A voice transmitting gas mask comprising a facepiece, an annular cup-shaped angle tube secured therein, a voice-transmitting diaphragm closing said angle tube, said diaphragm being formed of a plurality of separate layers of material secured together only at their edges, said angle tube having an annular lip having a diaphragm engaging surface at an angle to the plane of the diaphragm, said diaphragm being pressed against said surface to thereby stretch the diaphragm.



2,410,455
METHOD OF PRESERVING VITAMIN-CONTAINING OILS
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 11, 1939, Serial No. 261,312
8 Claims. (Cl. 167—81)

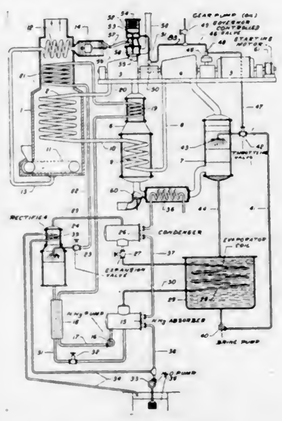
6. A method of preserving glyceride oil containing vitamins which comprises emulsifying them in molasses and heating to over 150° F. whereby an enhancement of antioxygenic effect is obtained.

2,410,456
APPARATUS FOR THE MANUFACTURE OF SYNTHETIC YARN
Herbert O. Naumann, Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Original application July 14, 1942, Serial No. 450,934. Divided and this application June 3, 1943, Serial No. 489,554
3 Claims. (Cl. 18—8)



3. A continuous spinning machine comprising means for forming a thread, a plurality of thread treating stations located at a distance from each other but constituting a unitary machine, each station including a plurality of thread treating devices over which thread passes while being treated, rail means disposed between said stations, transfer apparatus adapted to be moved on said rail means between said stations and adapted for passing treated thread issuing from one of said stations to within stringing-up proximity of another of said stations located at a distance therefrom, rotary means carried by said transfer apparatus for temporarily collecting said thread while said apparatus is traveling from one station to another, said rotary means being arranged to rotate at a thread take-up speed which is somewhat greater than the speed of the thread issuing from the treating devices of the station from which the thread is being collected so as to keep said thread under tension while being collected and transferred to within stringing-up proximity of the station located at a distance therefrom and means for retaining the rotary thread-collecting device in alignment with a station while the thread is being initially collected thereon at said station and in alignment with another station after said rotary collecting device has been brought to within stringing-up proximity of said other station.

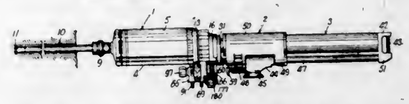
2,410,457
OPERATION AND REGULATION OF COMBUSTION TURBINES
Friedrich Nettel, Tokyo, Japan; vested in the Alien Property Custodian
Application April 20, 1940, Serial No. 330,801
14 Claims. (Cl. 60—59)



7. A power system, comprising a gas turbine, means to compress working gas therefor, means to heat said gas after compression, means to refrigerate said gas before compression, means responsive to the speed of said turbine to increase said refrigeration when the speed of said turbine drops below a predetermined value and to decrease said refrigeration when said speed exceeds said value, a device responsive to a predetermined excess of said speed, and means controlled by said device to reduce the heat supplied to said gas.

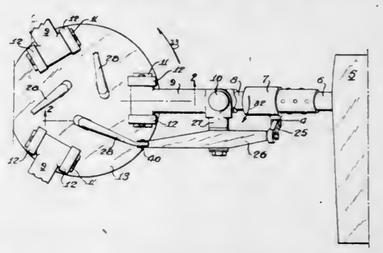
13. In a cycle for operating a prime mover driven by hot working gas that is compressed before heating and is refrigerated before compression, the step of regulating the speed of said prime mover by increasing the degree of refrigeration of said gas when said speed decreases from a desired value, and decreasing said refrigeration when said speed increases above said desired value.

2,410,458
DRILLING APPARATUS
Win W. Paget, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application January 9, 1945, Serial No. 571,985
8 Claims. (Cl. 255—45)



1. A drilling apparatus comprising, in combination, a drill rotating motor having a casing, means for mounting the casing of said motor for oscillatory movement, fluid actuated feeding means for said motor, means including a valve member arranged adjacent the periphery of said motor for controlling the supply of fluid under pressure to said feeding means, and means including an element connected to said motor casing at the periphery thereof and operatively engaging said valve member for positioning the latter to regulate fluid supply in accordance with the load on the motor.

2,410,459
ROTATIVE-WINGED AIRCRAFT
Haviland H. Platt, New York, N. Y., assignor to Rotary Research Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 4, 1941, Serial No. 377,356
6 Claims. (Cl. 244—17)

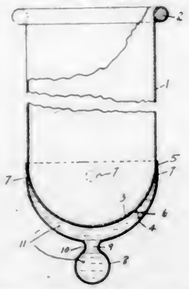


1. An airscrew including a hub, a plurality of airfoil blades pivotally secured to said hub by pivoting mechanism permitting pitch-varying and lagging displacements of said blades in relation to said hub and pitch-varying mechanism including means correlating the lagging and pitch-varying displacements of said blades so that with the lagging movement of the blade its pitch increases to a maximum and then decreases approximately in a sine curve relationship.

2,410,460
MEDICINAL APPLICATOR AND DISPENSER
James P. Robinson, Tokyo, Japan; vested in the Alien Property Custodian
Application April 14, 1941, Serial No. 388,441
4 Claims. (Cl. 128—294)

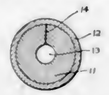
1. A medicinal applicator and dispenser, comprising: a tubular socket member of relatively thin, flexible, and elastic material formed with an imperforate closure of the same material at one end and open at its opposite end for reception therein of a projecture; a dispensing chamber and a supply chamber for a medicament positioned outwardly of said closure on the axis of said socket member and adjacent said closure; a discharge aperture formed in the wall of said

dispensing chamber and opening outwardly thereof, and a passageway communicating between said supply chamber and said dispensing chamber, the walls of said supply chamber and said dispensing chamber being relatively thin and



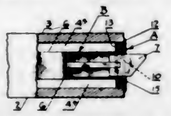
flexible, whereby outside pressure on said supply chamber will force material therein through said passageway into said dispensing chamber for discharge from the aperture in the latter outwardly of said dispensing chamber and socket member.

2,410,461
SUBAQUEOUS ARC-WELDING AND CUTTING ELECTRODE
Bela Ronay, Annapolis, Md.
Application April 5, 1944, Serial No. 529,605
7 Claims. (Cl. 219—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A hollow welding or cutting electrode, through which a gas under pressure may be directed to the forward open end thereof, consisting of an open seam tubular core enclosed in and sealed along its length by a moisture impervious insoluble coating, said coating being adapted to be disintegrated at a lower rate of speed than that of said electrode core thereby insuring the formation of a crater at the end of the rod adjacent the zone of operation.

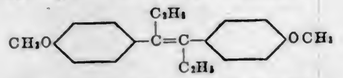
2,410,462
FACE PLATE
Walter R. Schlage, Burlingame, Calif.
Application March 15, 1944, Serial No. 526,832
9 Claims. (Cl. 292—337)



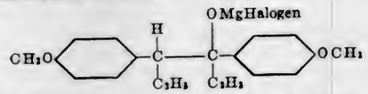
1. A face plate for a latch bolt housing which is insertable in a hole in the edge of a door, means securing the face plate to the outer end of the latch bolt housing a collar surrounding said face plate and having an outer flange to limit inward movement of the collar with relation to the door, an inner support on the collar to limit inward movement of the face plate with relation to the collar and means for automatically aligning the collar with relation to the angle of a door edge when the face plate is inserted into the door.

2,410,463
METHODS OF PREPARING STILBENE DERIVATIVES
Otto Schwarzkopf, New York, N. Y., assignor to Burton T. Bush, Incorporated, Delawanna, N. J., a corporation of New Jersey
No Drawing. Application November 19, 1943, Serial No. 510,976
5 Claims. (Cl. 260—613)

1. The process for preparing the trans-compound having the structural formula:

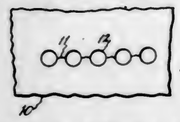


which comprises mixing the compound having the structural formula:



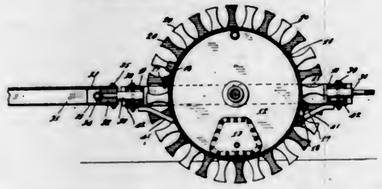
with a compound selected from the group consisting of acid halides and acid anhydrides; and isolating the said trans-compound thus produced.

2,410,464
BONDING METHOD
Lawrence B. Scott, Columbus, Ohio
Application September 27, 1943, Serial No. 503,961
5 Claims. (Cl. 29—148)



1. The method of bonding a metal fracture which includes, grooving the metal along the fracture so as to amplify the cross-sectional area of the surfaces thereof, removing additional metal at closely spaced intervals along the groove so as to form spaced projections in the bottom of said groove for further increasing the area of the fracture surfaces, then forming openings below the groove at the intervals whereby additional metal is removed for the passage of heat, and then depositing bonding metal in the fracture.

2,410,465
TAMPING ROLLER
Everett T. Small, Indianapolis, Ind., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind., a corporation of Indiana
Application August 2, 1940, Serial No. 349,433
3 Claims. (Cl. 55—24)



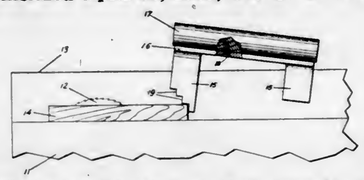
1. A tamping roller, comprising a cylindrical drum, an axial series of bands relatively angularly adjustable on said drum and releasably secured thereto, and a circumferentially extending series of tamping feet on each of said bands, each of said feet being at least as thick, axially of the roller, at its outer end as over the remaining portions of its radial extent and has circumferentially presented side faces which are concavely curved so that each foot is narrower near the middle of its radial extent than at its ends, the narrowest portion of each foot being located somewhat nearer to the inner end of the foot than to the outer end and the radius of curvature of said side faces gradually increasing from the inner end of the foot to the outer end.

2,410,466
BONDED REINFORCING FRAME
William H. Turner, Brielle, N. J.
Application November 8, 1944, Serial No. 562,539
5 Claims. (Cl. 160—371)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination of a panel and a reinforcing structure for an edge portion of said panel, said structure comprising a U-shaped channel, fitting over the edge portion of said panel, two wedges fitting in said channel and holding said panel in fixed relationship with respect to said channel, said panel fitting between said wedges, and a bonding means interconnecting said channel, wedges, and said panel.

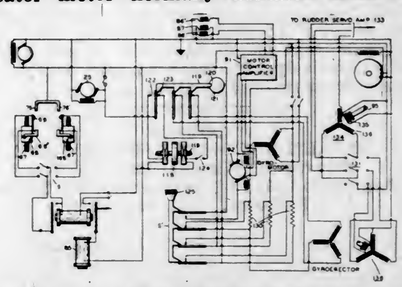
2,410,467
CIRCULAR SAW DEVICE
Patrick Valentine, New York, N. Y.
Application May 11, 1945, Serial No. 593,178
1 Claim. (Cl. 143—157)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A safety device for use with circular power saws comprising a rectangular flat plate, a hand grip secured to one surface thereof, and a pair of spaced U-shaped clips secured to the other surface thereof, one leg of one of said clips being provided with a plurality of steps at its extremity.

2,410,468
BOMB SIGHT
Howard C. Van Auken, Bloomfield, and Frederick N. Esher, Rutherford, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 9, 1941, Serial No. 387,574
6 Claims. (Cl. 244—76)

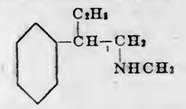
1. In a combined bomb sight and automatic pilot for aircraft, an optical system, a single directional gyroscope for both stabilizing said optical system in azimuth and controlling the heading of the aircraft, a follow-up device at said gyroscope, a connection from said device to turn said optical system, a transmitter driven from said follow-up system, a visual pilot director, a repeater motor normally actuated from said



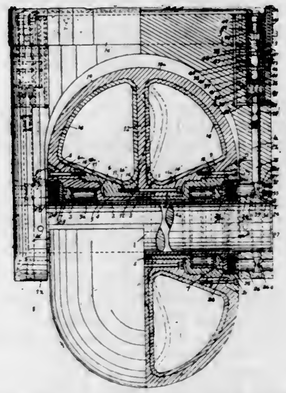
transmitter for turning said pilot director, a rudder servomotor for controlling the heading of the aircraft, and means for transferring the output of said transmitter to control said rudder servomotor.

2,410,469
ARYL ALKYL AMINO ALKANES AND COMPOSITIONS THEREOF
Gerritt John Van Zoeren, Holland, Mich., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application October 12, 1940, Serial No. 360,962
3 Claims. (Cl. 260—570.8)

1. A compound selected from the class consisting of the free amine and the corresponding acid addition salts thereof in which the said free amine possesses the following structural formula



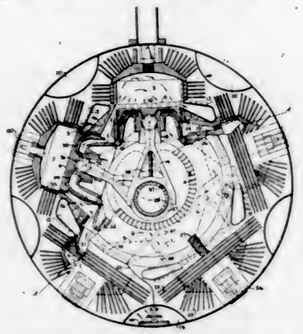
2,410,470
COMBINED WHEEL MOUNTING AND BRAKE THEREFOR
Edward E. Wallace, Cleveland Heights, Ohio
Original application May 7, 1943, Serial No. 485,979. Divided and this application August 17, 1944, Serial No. 549,935
8 Claims. (Cl. 188—18)



1. In a wheel, the combination with an axle and an arm in which one end of said axle is

mounted, of a tired wheel mounted on said axle, said wheel including a rim for the tire, the end portion of said rim adjacent said arm being offset to form an annular chamber, braking elements mounted in said chamber, said arm being formed with an opening extending radially of said axle, and means mounted in said opening and operatively connected to said braking elements for operating the latter.

2,410,471
INTERNAL-COMBUSTION ENGINE
Douglas K. Warner, Sarasota, Fla.
Application May 28, 1940, Serial No. 337,688
8 Claims. (Cl. 123—55)



1. An internal combustion engine provided with a plurality of cylinders each having an apron fixed in its lower portion, a piston mounted therein and descending upon the same, to compress the gas, means for admitting gas between said apron and piston, a half sector blower fan distributing said gas to each cylinder at its lower portion, including in its structure means for alternately delivering and preventing return flow of said gas, and inlets leading from said lower portion of each cylinder to the combustion chamber of the next cylinder to deliver the fresh gas thereto.

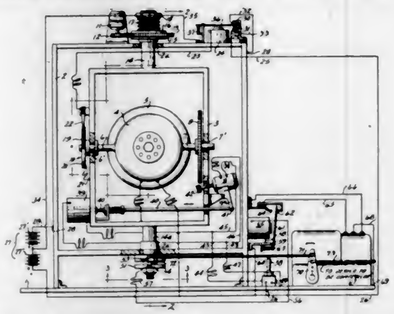
2,410,472
SANDBLAST STENCIL
Alfred J. Wartha, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application January 11, 1940, Serial No. 313,370
23 Claims. (Cl. 41—39)



2. As a new article of manufacture, laminated sheet material comprising an inherently flexible blast-resistant rubber-compounded sheet backing, a layer of a pressure-sensitive adhesive on one surface of said laminated sheet, a sheet of treated cellulosic material adhesively secured to the said backing, and a coating of a cellulose derivative adapted to receive transfer impressions on the other surface of said laminated sheet.

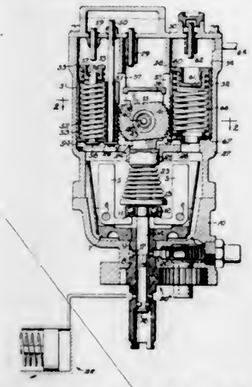
2,410,473
ELECTRIC DIRECTIONAL GYROSCOPE
William R. Weems, Decatur, Ga.
Application May 13, 1943, Serial No. 486,807
6 Claims. (Cl. 74—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a gyroscope device, a fixed support, inner and outer gimbal members carried thereby for rotative movement about mutually perpendicular axes, a power-driven rotor universally mounted on said support in said inner gimbal member with its spin axis tiltable in mutually intersecting planes, reversible torque-applying means between the support and the outer gimbal member for applying oscillatory torque to the outer gimbal member to precess the inner gimbal and rotor spin axis back and forth across a reference plane fixed with respect to the outer gimbal member, said reversible torque-applying means between the support and the outer gimbal member including pickoff control means therefor



between said inner and outer gimbals operatively connecting said torque-applying means for operation thereof incident to oscillatory movement of said inner gimbal member across said fixed reference plane, and controllable torque applying means between the inner and outer gimbal members to apply rotative torque to said inner gimbal member in the plane of the oscillatory precession to selectively precess the outer gimbal member and spin axis of the rotor with respect to the support in a plane at an angle to the plane of oscillatory precession of the rotor spin axis and the inner gimbal member.

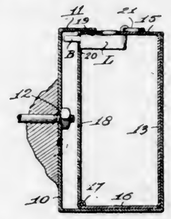
2,410,474
GOVERNOR
Delbert L. Zeigler, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application June 22, 1944, Serial No. 541,542
3 Claims. (Cl. 264—3)



1. A governor comprising a speeder spring, rotary speed responsive means opposing the force of said spring, a member mounted for movement in a rectilinear path and in opposite directions

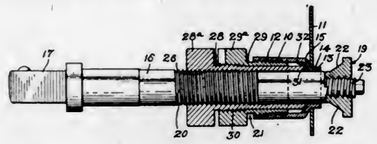
to increase or decrease the force applied by said spring, a gear element mounted on said member to turn relative thereto about an axis extending transversely of said path, said gear element having arcuate rows of teeth arranged on opposite sides thereof concentric with said axis, rack element meshing with said gear element on opposite sides of said member so as to have a rolling connection therewith, means guiding said elements for rectilinear movements parallel to said path, means selectively operable to move one of said rack elements back and forth between opposite limit positions to vary the deflection of said spring in a fixed increment, and means by which said other rack element may be moved selectively variable distances to adjust the stress of said spring progressively.

2,410,475
FLOOR OR WALL SAFETY BOX
Church Anderson, Arcadia, Calif.
Application April 26, 1944, Serial No. 532,923
3 Claims. (Cl. 109—52)



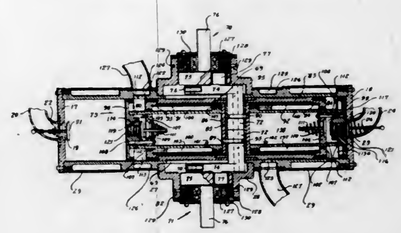
1. In a safety box, a housing open at its top and provided in its rear wall with openings for fastening means, a flange projecting inwardly from the upper edge of the rear wall of said housing, a box adapted to be positioned within and removed from said housing through the opening between said flange and the upper edges of the front and end walls of said housing, a hinged door forming one of the walls of said box, a lock on the underside of the top of said box, said door having an opening near its free edge and the bolt of which lock is adapted when projected, to pass through the opening in said door and to occupy a position beneath the flange on said housing.

2,410,476
SPINNING TOOL
Arthur I. Appleton, Northbrook, and Carl H. Stahl, Villa Park, Ill., assignors to Appleton Electric Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1943, Serial No. 505,484
6 Claims. (Cl. 218—19)



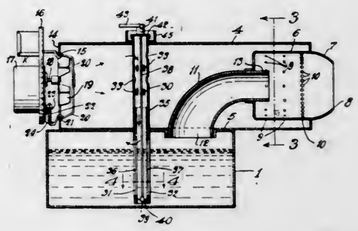
3. A tool of the general type described comprising, in combination, a supporting structure including two sleeve elements threaded one within the other, a spindle having a tool head thereon and threaded within the inner sleeve element for feed axially of the same as the spindle is revolved to turn the tool head, the outer sleeve element being externally threaded for securing the same within an internally threaded fitting or the like which is to be operated upon, and the inner one of said sleeve elements having a portion projecting axially beyond the outer element to abut against a shoulder or the like within the fitting.

2,410,477
TWO-CYCLE ENGINE
David Blumberg, Bridgeport, Conn.
Application August 20, 1943, Serial No. 499,315
4 Claims. (Cl. 123—51)



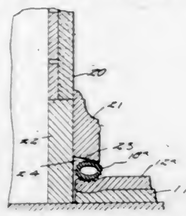
3. In a two cycle internal combustion engine, a cylinder, a double ended piston construction in said cylinder, a crank means including a crank connected with said piston construction for reciprocation thereby, a web connected at one end with said crank, a power take-off shaft, a head on said shaft, a pivot connecting said web with said head, said pivot eccentric with said crank and power take-off shaft and equally spaced from them whereby said crank is in alignment with said power take-off shaft when said piston construction is in a dead-center position, and manually controlled means for moving said piston construction out of dead-center position to disalign said crank and said power take-off shaft to enable cranking of the engine to be accomplished by turning of said shaft.

2,416,478
GENERATOR TYPE BURNER
James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois
Application August 6, 1943, Serial No. 497,589
7 Claims. (Cl. 158—91)



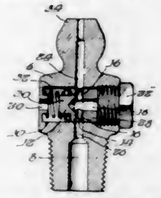
1. In a generator burner, a fuel vaporizer having an imperforate side wall and adapted to hold a substantial body of liquid fuel, a combustion chamber, means for delivering vaporized fuel from the interior of the fuel vaporizer to the interior of the combustion chamber, including a tubular passage, and unitary means for delivering air under pressure to the interior of the fuel vaporizer and to the interior of the combustion chamber.

2,410,479
RUG SECURING MEANS
Chauncey Robert Clark, Miami, Fla.
Application June 8, 1944, Serial No. 539,319
2 Claims. (Cl. 16—16)



1. A means for securing a rug to a floor comprising an elongated base board member fixed in a position with the lower edge thereof spaced above the floor whereby an edge of the rug may be extended beneath said member, said lower edge being inclined to the vertical with the lowermost portion thereof innermost with respect to the rug, and a longitudinally fluted compressible member adapted to be wedged between said lower edge and said rug.

2,410,480
LUBRICANT FITTING
Ernest W. Davis, River Forest, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application January 8, 1943, Serial No. 471,670
2 Claims. (Cl. 50—35)



1. A pressure-controlling lubricant receiving fitting comprising a body having an inlet, an outlet, a vent port, and having a cylinder in communication with the vent port and providing a connection between the inlet and outlet; a piston fitting loosely in said cylinder and having the face thereof opposite the vent port subjected to the pressure of lubricant supplied through the inlet port, said piston providing a passageway normally connecting the inlet and outlet, and a spring normally holding said piston away from the vent port, said piston being operable when the lubricant pressure at the outlet exceeds a predetermined value to move against the force of the spring and thereby cut off communication between the inlet and the outlet, said piston having a substantially flat valve face operable to close said vent port when said piston is moved to the end of its stroke by the application of said predetermined pressure.

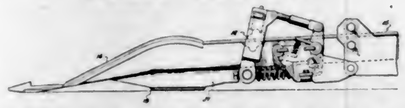
2,410,481
SHAKER CONVEYER
Edward J. Doberstein, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 7, 1945, Serial No. 614,859
7 Claims. (Cl. 198—14)

1. In a device for swinging the pick-up end of a shaker conveyer laterally along the ground, a trough mounted on the ground at its forward end for reciprocable movement with respect thereto, a shoe on the underside of said trough extending longitudinally thereof and forming a support for the forward end of said trough on the ground, and means selectively operable for



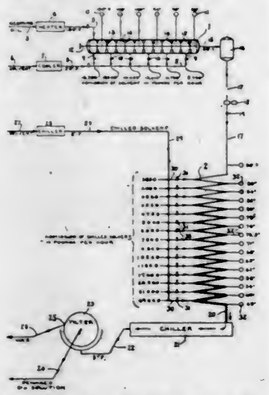
moving said shoe at an angle with respect to the longitudinal center line of said trough to position said shoe to guide the forward end of said trough laterally with respect to the conveyer during movement of said trough and shoe in a forward direction.

2,410,482
SHAKER CONVEYER
Edward J. Doberstein, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 13, 1945, Serial No. 616,132
8 Claims. (Cl. 198—14)



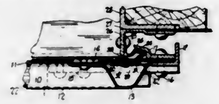
1. In a means for laterally feeding the pick-up end of a shaker conveyer, a trough on the inby end of a shaker conveyer, and means for moving the forward end of said trough laterally while the conveyer is in motion or is standing still including a shoe, means for positively engaging said shoe with the ground and elevating the forward end of said trough above the ground to cause the forward end of said trough to be wholly supported on said shoe, and other means connected between said trough and shoe and selectively operable to positively move said trough laterally with respect to said shoe.

2,410,483
PROCESSES OF DEWAXING OILS
Eddie M. Dons and Oswald G. Mauro, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware
Application November 13, 1944, Serial No. 563,284
2 Claims. (Cl. 196—18)



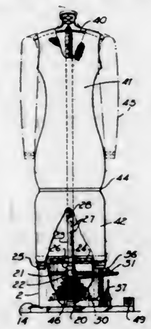
1. In the art of dewaxing oils the process of forming approximately uniform wax crystals which comprises introducing a heated stream of wax bearing oil into an elongated blending passageway, injecting streams of relatively cool dewaxing solvent into the stream of wax bearing oil at successive stages in said passageway to gradually form a cooled solution containing minute wax nuclei crystals at approximately the cloud point of the solution, thereafter injecting streams of colder dewaxing solvent into the stream of waxy solution at successive additional stages to progressively deposit additional wax around said minute wax nuclei crystals, thereby gradually increasing the dimensions of the individual crystals, progressively increasing the volumes of said streams of colder dewaxing solvent at said additional stages to more rapidly increase the growth of the wax crystals, causing the mixed stream in said additional stages to move at linear velocities between one-fourth of a foot and three feet per second, cooling the solution to the desired dewaxing temperature, and filtering the liquid solution from the resultant approximately uniform wax crystals.

2,410,484
SLIDING CAR DOOR
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application August 29, 1940, Serial No. 354,709
9 Claims. (Cl. 20—26)



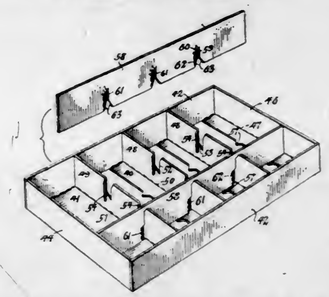
9. A longitudinally sliding metallic door for railway house cars having a vertical recess therein, a flexible weatherstrip seated in said recess, said weatherstrip having a flange, means securing said flange in said recess, said weatherstrip also having a flange extending freely beyond said recess, said latter flange being adapted to be engaged and freely bent by a member on said car associated with said door to form a seal between said car member and said latter flange, for the purpose set forth.

2,410,485
GARMENT FINISHER
George W. Du Nah, Pasadena, Calif.
Application October 17, 1945, Serial No. 622,717
3 Claims. (Cl. 223—70)



1. A garment finisher comprising: a base housing provided with a circular upper portion open at the top and a centrally positioned, stationary, upstanding, hollow, pivot post; a blower; an air duct connecting the blower with the base housing; a heater interposed in the duct between the blower and the base housing; a two-position shutter in the duct between the heater and base housing; an upstanding pipe support rotatably mounted in the hollow, pivot post, said pipe having a closed upper end and a plurality of longitudinally spaced ports, a transversely extending hanger carried by the upper end of the pipe support and a permeable, limp, dress form carried by the hanger, said dress form including a cylindrical lower portion; a rotatable sealing ring carried by the circular upper portion of the base housing and connected to the pipe support, the bottom of the dress form being connected to the sealing ring whereby the sealing ring, pipe support, and dress form may be rotated simultaneously about a vertical axis; and pedal-operated means for supplying steam to the pivot post and pipe support.

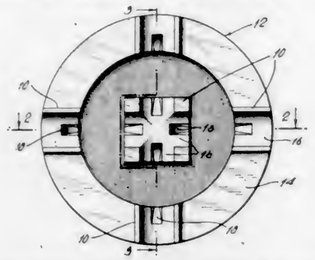
2,410,486
FOLDABLE BOX
Guy J. Evans, Buffalo, N. Y.
Application May 29, 1943, Serial No. 488,981
2 Claims. (Cl. 229—42)



1. Partitioning means for dividing the space in a container into a plurality of cells comprising a sheet of material which is cut to form a plurality of horizontal transverse bottom sections and a plurality of vertical transverse walls each of which is bent upwardly from a transverse edge of one of said horizontal bottom sections, and a plurality of vertical longitudinal walls intersecting said transverse walls, and means for interlocking said transverse and longitudinal walls including a plurality of upwardly opening vertical slits formed at intervals in the upper part of each of said transverse walls and leaving the lower part of the transverse wall below said vertical slit in the form of a connecting neck, the upper end of the sides of each of said vertical slits diverging upwardly to form a V-shaped guide recess on the upper edge of the respective transverse wall, the material forming said recess being left as a V-shaped tongue on the transverse edge of the adjacent bottom section, and the material of the transverse wall on one side of each of its vertical slits forming a locking wing which is bent on this wall along a vertical line thereon and which is separated at its lower end from this wall by a slit extending laterally in said transverse wall from the lower end of the respective upwardly opening vertical slit, and each of said longitudinal walls having its upper part provided with a plurality of downwardly opening vertical slits leaving the lower part of this wall in line with each of these slits in the form of a connecting

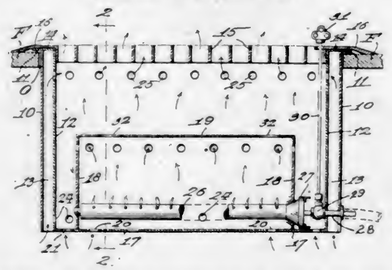
neck, and each longitudinal wall having its slits receiving the necks of the respective transverse walls, and the slits of said longitudinal walls receiving the necks of the respective transverse walls.

2,410,487
SMOKER'S ARTICLE
Eric W. Eweson, New York, N. Y.
Application January 25, 1944, Serial No. 519,673
5 Claims. (Cl. 131—240)



1. A smoker's article comprising a support having a horizontal groove of a size to receive and hold a cigar, said support having a small groove at one end of and within the large groove of a size to grip a cigarette, the small groove in end elevation having the shape of a truncated V, and the large groove having an extended portion which is not touched by the small groove.

2,410,488
FLOOR FURNACE
Joseph S. Fagan, Los Angeles, Calif.
Application December 28, 1943, Serial No. 515,931
1 Claim. (Cl. 126—116)



A floor furnace comprising an outer shell open top and bottom with imperforate side walls, an inner shell disposed within said outer shell, the side walls of both shells being spaced apart, the top of said inner shell being open, a flange projecting outwardly from the upper edge of said inner shell and resting on the upper edge of the outer shell so as to close the upper end of the chamber between the walls of the two shells, a perforated plate closing the bottom of said inner shell, there being air inlet openings formed in the upper and lower portion of the walls of the inner shell, a separately formed, one-piece rectangular burner housing within said inner shell with the lower edges of the side and end walls thereof resting on said perforated bottom plate so that the latter provides a closure for the bottom of the chamber within said burner housing, the walls and top of said housing being provided with air outlet openings, a burner tube positioned in the lower portion of said housing with its ends removably positioned in the end walls thereof so that said burner housing and tube may be positioned within and removed from the chamber within said inner shell as a unit, a grill removably positioned in the open upper end of said inner housing and a flange projecting outwardly from the edge of said grill and overlying the flange on the upper edge of said inner shell.

2,410,489
NONLINEAR FREQUENCY MODULATION SIGNALING SYSTEM
William A. Fitch, Schenectady, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 19, 1944, Serial No. 545,576
13 Claims. (Cl. 250—6)



1. The method of signaling which includes these steps, amplifying modulating potentials to a degree such that they vary in amplitude greater than linearly with respect to their initial amplitude, and modulating the timing of oscillatory energy in accordance with the modified modulating potentials.

2,410,490
EYE PROTECTING SHIELD
Anthony M. Flocker, Brooklyn, N. Y., assignor to Kerlo Corporation, New York, N. Y., a corporation of New York
Application February 17, 1942, Serial No. 431,294
2 Claims. (Cl. 2—14)

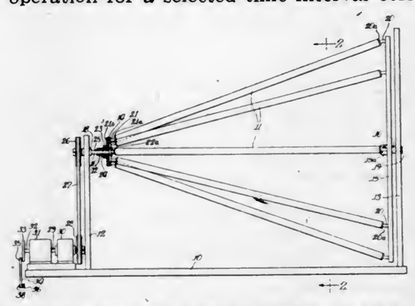


1. An eye protecting device comprising a pair of cup-shaped slitted metal eye-shields, each having a flanged edge adapted to fit into a groove in a holder, a holder made of resilient material and having a pair of openings therein, an annular fold in the material about each of the openings extending outwardly from the opening and in spaced relation to the body of the holder, a second annular fold about each of the openings connected with the first fold and extending inwardly toward the opening to form with a side of said first fold a groove to receive the flanged edge of one of the eye-shields, each of said first folds forming a cushion for the flanged edge of a shield, providing for lateral and axial movement of the shield and normally yieldably retaining the shield against movement with the slits in correct viewing position.

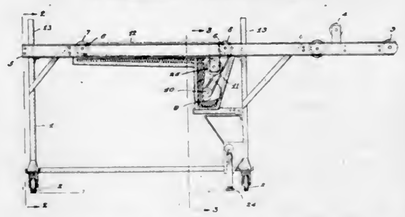
2,410,491
METHOD AND APPARATUS FOR GRINDING SMALL OBJECTS
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application January 6, 1944, Serial No. 517,175
7 Claims. (Cl. 51—283)

2. In the manufacture of piezoelectric crystals each having a number of activity peaks which

are separated along an edge grinding time axis, the method of edge grinding the crystals of a given batch to produce substantially peak activity for the major portion of the crystals in said batch, which comprises concurrently supporting each of the crystals of the batch along a pair of opposed edges upon abrasive material within a tube, rotating the tube at a speed so that the abrasive material moves relative to the crystals thereon, and in such manner subjecting all of the crystals of said batch to an edge grinding operation for a selected time interval corresponding to expected activity peaking of at least a portion of said crystals, separating the acceptably peaked crystals from the batch, subjecting successively smaller portions of the remaining crystals to repeated corresponding edge grinding operations for selected time intervals respectively corresponding to expected activity peaking of said successively smaller portions of said remaining crystals, and removing the acceptably peaked crystals from the remainder between successive ones of the repeated such grinding operations in the tube.

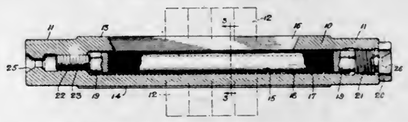


2,410,492
ROD CHARGING MACHINE
John Willis Garrow, Copper Cliff, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application September 21, 1944, Serial No. 555,120
In Canada August 3, 1944
3 Claims. (Cl. 198—26)



1. In a machine for feeding cylindrical rods of substantial length longitudinally into a machine of the rod mill type, the combination of a roller rack having a rod-supporting means of sufficient lateral inclination to impart lateral rolling movement to a plurality of rods supported thereon, a runway-conveyor disposed transversely of said rod-supporting means beyond and slightly below the lower extremity of inclination of said rod-supporting means, vertical stop means beyond but closely adjacent said runway-conveyor whereby lateral movement of said rods beyond said conveyor is prevented, and rod-transfer means projecting upwardly into the path of said rolling movement intermediate said supporting means and said runway-conveyor whereby said rolling movement is normally arrested, said rod-transfer means comprising a shaft rotatably mounted parallel to said rods, a plurality of substantially circular members rigidly mounted at substantially opposite ends of said shaft and within said path, said members having a plurality of notched indentations at spaced intervals in the peripheries thereof whereby the lowermost rod on said rod-supporting means is engaged in an aligned pair of said indentations and on rotation of said shaft in the direction of said path is removed upwardly out of said path and is discharged onto said runway-conveyor, said runway-conveyor consisting of a supporting framework extending across said path transversely of said rod-supporting means and therebeyond on one side thereof toward said mill, a pair of pulleys and at least a third pulley carried by said framework and adapted for in-line rotation, said pair of pulleys being disposed at approximately the opposite sides of said rod-supporting means, a V-belt driving said pair of pulleys and presenting a conveyor surface moving endwise to said lateral movement and towards said mill at a substantially greater rate of linear movement than the rate of lateral movement whereby, through a high degree of frictional engagement, immediate and positive longitudinal movement is imparted to said discharged rod, means adapted for locking engagement with at least one of the notched indentations in said circular members between successive discharging steps, means cooperating with said third pulley for guiding said discharged rod throughout the latter part of said longitudinal movement and means for retaining said rack at rest during said steps.

2,410,493
MANDREL
Victor W. Gideon, Chicago, Ill., assignor to Victor W. Gideon, Hubert W. Jerry, Lauretta F. Gideon, and Louise C. Jerry, copartners doing business under the firm name of Par Manufacturing Co., Chicago, Ill.
Application November 3, 1943, Serial No. 508,836
4 Claims. (Cl. 82—44)

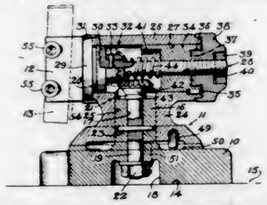


2. In an expansible mandrel the combination of a body having an internal bore therein, said body being longitudinally slotted at circumferentially spaced intervals to provide radial expansibility to the body portions between the slots, a rubber element in said bore capable of translating applied force into hydrostatic pressure, element retaining means disposed between the body and element extending lengthwise in spanning relation to said slots, and closure means at the ends of said bore engaging said element, one of said closure means being movable, and means for shifting the movable closure means to apply force to said element.

2,410,494
TOOL BIT FIXTURE
Victor W. Gideon, Chicago, Ill., assignor to Boyar-Schultz Corporation, Chicago, Ill., a corporation of Illinois
Application January 21, 1944, Serial No. 519,164
2 Claims. (Cl. 51—220)

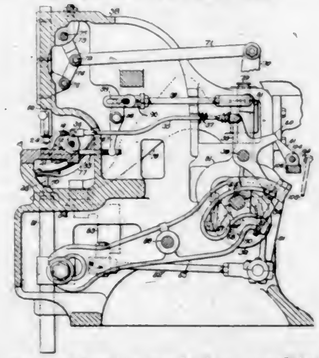
1. In a fixture of the type described, the combination of a generally flat base adapted to be

rested on a grinding machine carriage or the like, a body member rising from said base and swiveled thereon to turn about a vertical axis, said body member having a laterally projecting skirt rigid therewith at its lower end and overlying said base, a tool head journaled on the upper portion of said head for angular adjustment about a horizontal axis, said tool head being slotted transversely to receive a tool bit with the latter intersecting said horizontal axis and canted at an acute angle with reference to a plane normal to said horizontal axis, whereby angular adjustment of said tool head about said horizontal



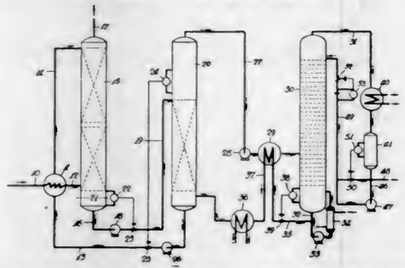
axis from a position of zero angular adjustment in which the tool bit is upright serves to tilt such bit laterally, means for turning said body member about said vertical axis in unison with rotational adjustment of said tool head about said horizontal axis, said base having a laterally facing flat locating surface thereon disposed at an acute angle to the vertical plane in which said longitudinal axis lies when said tool head is in said position of zero angular adjustment, and indicia on said skirt coacting with indicia on said base to indicate the position of angular adjustment of said tool head.

2,410,495
EYELETING MACHINE
Sylvester R. Gookin, Marshfield, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 29, 1944, Serial No. 551,647
8 Claims. (Cl. 218—15)



1. In an automatic eyeleting machine of the type in which eyelet-inserting mechanism and work-feeding mechanism are power-driven in coordinated relation and arranged to install a series of eyelets one at a time in a work-piece and feed the latter one step after each installation during the normal operation of the machine; the combination comprising controllable means adapted to prevent engagement of the work by the work-feeding mechanism while the eyelet-inserting mechanism continues its normal cycle, and manually operable means for controlling said preventing means.

2,410,496
SEPARATION AND RECOVERY OF UNSATURATED GASES
Robert A. Graff, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application April 20, 1943, Serial No. 483,720
4 Claims. (Cl. 260—681.5)

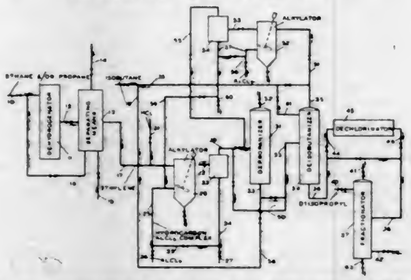


1. The process for separating butadiene from a solution of cuprous-cupric ammonium acetate containing an excess of ammonia which includes extracting said butadiene from said solution in an absorber by the action of a liquid hydrocarbon stripping agent immiscible with said solution and having a boiling point substantially above that of butadiene, thereafter separating said stripping agent from the butadiene in a desorber by blowing therethrough a gaseous medium immiscible with the stripping agent and the butadiene, separating said medium from the butadiene and returning a part of the butadiene in liquid form to the top of the desorber to reflux vapors of said liquid hydrocarbon.

2,410,497
DISINFECTING AND PRESERVING COMPOSITION
Winfrid Hentrich, Rodleben, near Dessau-Rosslau, and Wilhelm Kaiser, Dessau, Germany; vested in the Alien Property Custodian
No Drawing. Application October 11, 1940, Serial No. 360,788. In Germany October 14, 1939
3 Claims. (Cl. 167—32)

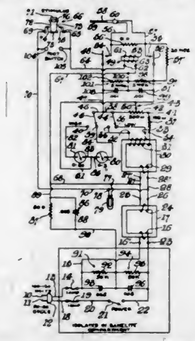
1. A disinfecting and preserving agent comprising a 1-hydroxy-5,6,7,8-tetrahydronaphthalene having a halogen substituent in the 4-position.

2,410,498
ALKYLATION PROCESS
Harold J. Hepp, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 23, 1944, Serial No. 541,758
15 Claims. (Cl. 260—683.4)



1. An improved process for the production of diisopropyl by the reaction of isobutane and ethylene in the presence of a liquid hydrocarbon-$AlCl_3$ complex catalyst, which comprises passing to a reaction zone a hydrocarbon mixture comprising primarily isobutane and ethylene in a mol ratio between about 3:1 and about 10:1, effecting in said reaction zone an intimate admixture of a resulting reaction mixture and a liquid hydrocarbon-$AlCl_3$ complex catalyst having a viscosity at 100° F. not greater than about 200 centistokes, maintaining in said zone a reaction temperature between about 50 and about 200° F. and a pressure sufficient to maintain a substantially liquid hydrocarbon phase, correlating the reaction conditions and the activity of said complex catalyst in a manner such that the concentration of unreacted ethylene in the reaction zone is between about 0.2 and about 3 mol per cent of the hydrocarbons present, and such that the viscosity of said liquid complex catalyst is maintained at not greater than about 200 centistokes at 100° F., and recovering from effluents of said reaction zone a hydrocarbon fraction comprising diisopropyl so produced.

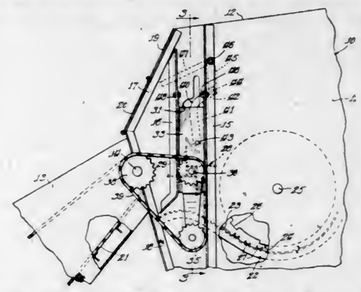
2,410,499
STIMULATOR
Joseph C. Hinsey, Scarsdale, and William A. Geohegan, Mamaroneck, N. Y., assignors to the Government of the United States
Application May 16, 1945, Serial No. 594,046
3 Claims. (Cl. 128—421)



1. A stimulator of the class described comprising an input circuit, high frequency filters associated with said input circuit and means for connecting said circuit to a source of alternating current of predetermined voltage, wave form, and frequency, having one side grounded, a transformer circuit including input and output transformers provided with primary and secondary coils, an output circuit, high frequency filters associated with said output circuit, applicator electrodes included in said circuit, means for selectively connecting said output circuit with groups of secondary coils of said output transformer, meters for measuring high and low range voltages bridging said coil groups, a switch circuit connected with said transformer circuit, an electromagnetic switch and a manually operated switch included in said output circuit adapted to control the operation of said electrodes.

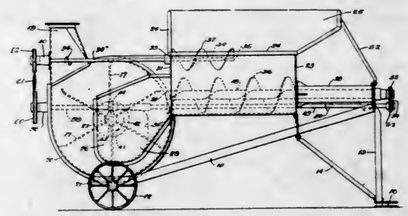
2,410,500
FEEDER FOR THRESHERS
Rex B. Hitchcock, Evanston, and Harold S. Seeber, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application August 21, 1944, Serial No. 550,464
4 Claims. (Cl. 130—27)

1. In a harvesting machine having a thresher body and a harvester part pivotally connected thereto, said thresher body having an open-end, side walls and a thresher cylinder supported by the side walls adjacent the open-end, and said harvester part having conveyor means for feeding material through said open-end of the thresher body to said cylinder, a rotatable feeding structure positioned between the conveyor means and the cylinder, vertical slidable supporting means for the ends of said feeding structure mounted on the side walls of the thresher body, linkage for lifting the feeding structure and the supporting means therefor, said linkage including an over-center mechanism for maintaining the feeding structure in elevated position until released, an idler pulley carried by the slidable supporting means spaced from the axis



to the feeding structure, a drive pulley carried by the feeding structure, a power input drive pulley carried on the thresher body, said pulleys being arranged with the drive pulley on the feeding structure and the idler pulley on the feeding structure supporting means lying in substantially vertical alinement and said drive pulley being spaced laterally from the other pulleys and being substantially horizontal with the feeding structure pulley when the feeding structure is in operating position and being substantially horizontal with respect to the idler pulley when the feeding structure is in raised position, said arrangement of pulleys providing a chain path of substantially the same length during all positions of adjustment of the feeding structure, and a drive chain passing over said pulleys.

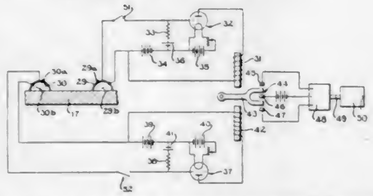
2,410,501
ENSILAGE BLOWER
Edwin F. Huddle, Elmwood Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 22, 1944, Serial No. 527,663
4 Claims. (Cl. 302—37)



1. An ensilage feeder comprising an elongated hopper, a main auger positioned in and extending the entire length of the bottom of said hopper and adapted to feed material longitudinally thereof and having one end unjournaled, said hopper having a discharge opening at one end thereof adjacent the unjournaled end of the

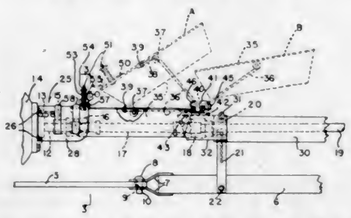
auger whereby ensilage carried by the auger will exit through the discharge opening, and a second auxiliary auger above the main auger having an unjournaled end terminating substantially centrally of the main auger and adapted to feed material in an opposite direction, whereby excess ensilage in the upper portion of the hopper is carried by the auxiliary auger away from the discharge opening and then permitted to drop to a lower level in the hopper and is then carried toward the discharge opening by the main auger, thereby preventing congestion at the discharge opening.

2,410,502
AIRCRAFT CONTROL APPARATUS
Roy T. Hurley, Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 6, 1940, Serial No. 328,213
15 Claims. (Cl. 172—282)



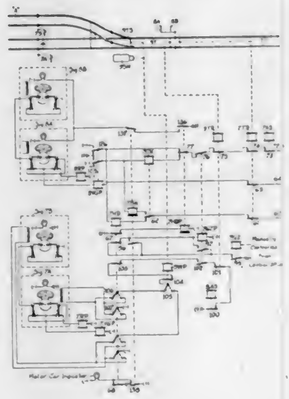
3. In apparatus wherein an aneroid barometer controls reversible motor means connected to the elevator controls of an aircraft in accordance with the direction of displacement of the diaphragm of the barometer, an interferometric system including an element fixed to said diaphragm in such a manner that the interference fringes created by said system are moved in accordance with the displacement of said diaphragm, light responsive means comprising a pair of light sensitive cells interposed in the path of said fringes so that movement of the fringes in one direction from a predetermined mean position energizes one of said cells and movement of the fringes in the other direction from said mean position energizes the other of said cells, and means controlled by said cells for controlling said motor means to set the latter in operation in one direction upon energization of one of said cells and in the other direction upon energization of the other of said cells.

2,410,503
SAFETY SHIELD
Ellsworth T. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 19, 1945, Serial No. 589,122
8 Claims. (Cl. 280—33.44)



1. Protective shielding for a power shaft connection between two coupled vehicles, comprising in combination, a pair of shields mounted on said vehicles, respectively, adapted to be disposed in aligned, spaced relation, an interconnecting shield between said pair of shields, means permanently connecting said interconnecting shield to one of said vehicle mounted shields providing for longitudinal shifting and lateral swinging movement of said interconnecting shield relative thereto, and disengageable means connecting said interconnecting shield with the other of said vehicle mounted shields.

2,410,504
SIGNALING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 1, 1944, Serial No. 533,493
14 Claims. (Cl. 246—3)

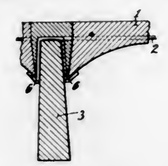


1. In a manually controlled block signal system for single track railroads, a stretch of single track having a head-block signal at each end and intermediate signals at intervals governing train movement in opposite directions into and through said stretch of single track, a series of line circuits for each direction of traffic, a traffic direction locking relay for each direction associated with each signal and energized alternately by an associated line circuit dependent upon the direction of traffic established, approach lighting means for each intermediate signal responsive to the deenergization of both of the associated traffic direction locking relays for opposite directions of traffic, and manually controlled means governed by said series of line circuits and said traffic direction locking relays for governing the clearing of signals for train movement into and through said single track stretch for either selected direction of traffic.

2,410,505
MONOLITHIC FLOOR CONSTRUCTION
Ignatz Adolf Kirchner, Vienna, Germany; vested in the Alien Property Custodian
Application November 3, 1938, Serial No. 238,682
In Austria November 4, 1937
4 Claims. (Cl. 72—68)

1. In a floor construction, the combination of rib-shaped girders, pre-formed arch-shaped bodies arranged between the girders in the compression girder zone, means suspending said bodies from the tops of girders during the

construction of the floor, said means consisting essentially of rods embedded in said bodies and having exposed portions bearing directly on the tops of said girders, the proximate surfaces of the girders and bodies being spaced at their upper parts and convergent toward their lower parts to provide wedge-shaped spaces, and a filling



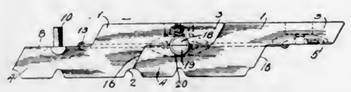
mass filling the space between said girders and bodies, said exposed portions being at least partially embedded in said filling mass, at least one end of each of the said rods being provided with a downwardly bent portion engaging over and around the upper end of the juxtaposed girders and terminating in a hook-shaped portion on which the adjacent arch-shaped body is mounted.

2,410,506
COATED ABRASIVE
Henry P. Kirchner, Niagara Falls, and Albert L. Ball, Lewiston, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application July 15, 1942, Serial No. 451,024
8 Claims. (Cl. 51—188)



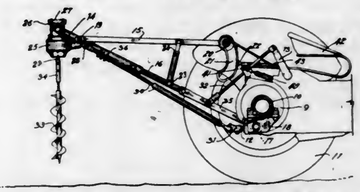
1. A coated abrasive waterproof belt comprising a backing consisting of a layer of flexible resilient leather, said leather having a pore stopping sizing coat on one surface and being waterproofed on its outer surfaces, substantially a single layer of abrasive grain on the sized surface of the leather, said abrasive grain comprising a substantial amount of diamonds, and a grain bonding coat of a cured phenol-aldehyde waterproof resin on the sized surface of the leather.

2,410,507
TRACK FOR TRACK LAYING VEHICLES
Robert M. Knight, Chicago, Ill.
Application April 14, 1944, Serial No. 530,994
34 Claims. (Cl. 305—10)



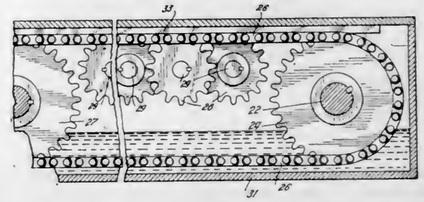
1. A track for track laying vehicles comprising a plurality of sectional reinforcing units connected together in series and each unit including flexible tension members having transverse rods at their ends, transverse reinforcing plates extending across the track and formed with elongated openings to receive the rods, thereby to connect the tension members of adjacent units, at least one of the reinforcing plates being formed of two pieces detachably connected together and formed with registering grooves to receive and grip the rods, and a covering of rubber over the reinforcing units and plates.

2,410,508
POSTHOLE DIGGING ATTACHMENT FOR TRACTORS
Thornie T. Lamme, Laclede, Mo.
Application January 1, 1945, Serial No. 570,821
1 Claim. (Cl. 255—19)



A post hole digging attachment for tractor comprising: a telescoping boom; means for hinging the forward extremity of said boom to a tractor so that it will extend rearwardly therefrom; a brace member extending from a hinged connection on said boom member forwardly to a position above the forward extremity of said boom member; a vertically positioned guide member in which the forward extremity of said brace frame is movably mounted, said guide member being contoured to move said brace member forwardly and backwardly a predetermined distance as said boom member lowers to maintain the rearward extremity of the latter in a substantially vertical plane; means for securing said guide member to said tractor; means for causing the forward extremity of said brace member to move along said guide member in consequence of vertical movement of said boom member; means for raising and lowering said boom member; a gear box suspended from said boom member; a drive shaft protruding forwardly from said gear box; a universally-mounted, telescoping, countershaft extending forwardly from said drive shaft; an auger shaft projecting downwardly from said gear box; and a post hole digging auger secured on said latter shaft.

2,410,509
APPARATUS FOR MAKING GUT STRINGS
Felix Lange, Chicago, Ill., assignor to Carl G. Bjorkman, Chicago, Ill.
Application May 8, 1943, Serial No. 486,184
11 Claims. (Cl. 57—25)



1. Skein winding apparatus including a plurality of closely spaced spindles, each adapted to have one end of a skein secured thereto, a sprocket on each spindle with the sprockets of adjacent spindles overlapping, drive sprocket means of larger diameter than the spindle sprockets positioned at one end of the series, and idler sprocket means of larger diameter than the spindle sprockets positioned at the other end of the series, endless chain means extending around the larger sprockets and having its upper run resting on the tops of the driven sprockets, and its lower run spaced below the driven sprockets,

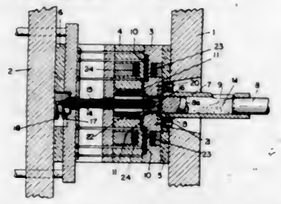
and a reservoir for oil having its oil level above the bottom of the larger sprockets whereby oil is supplied by the chain and sprocket means to all of the working parts.

2,410,510

MOLDING THERMOSETTING MATERIAL

Nathan Lester, Cleveland Heights, Ohio, assignor to Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application July 4, 1942, Serial No. 449,758
14 Claims. (Cl. 18—30)



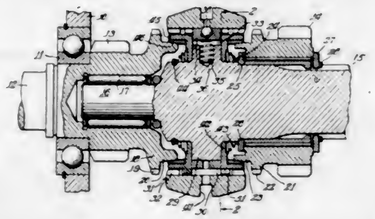
14. Apparatus for molding heat plasticizable material, comprising in combination cooperating dies providing molding cavities, one of said dies having a bore extending from the outer face thereof to the parting line between the dies, a cylinder having an open end extending into said bore, a plunger movable within said cylinder to force said material as a cylindrical mass in the direction of said dies, a nose secured in the die beyond the parting line in alignment with said bore and extending into the cylinder, and means for supplying heat to said nose to raise the same to a temperature above the temperature of the material within said cylinder.

2,410,511

SYNCHRONIZING DEVICE

John H. Letsinger and Harold F. Foley, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey

Application August 26, 1944, Serial No. 551,358
13 Claims. (Cl. 192—53)



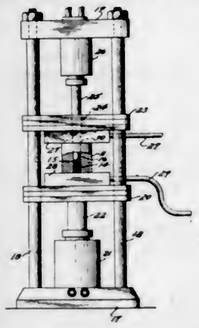
1. A synchronizing clutch construction comprising a rotatable member having a conical friction face formed thereon and a positive clutch element with teeth formed thereon adjacent the friction face, a shaft concentric with respect to said member, said shaft having an abutment flange thereon, a friction clutch member abutting said flange and having a conical face adjacent the conical face on the rotatable member, resilient means for urging said clutch member against said flange, a shifter member mounted on said flange for rotation with the shaft and for sliding movement axially thereof, said member having internal teeth engageable with the teeth on the rotatable member, said flange having cam structure thereon and said clutch member having structure including cammed projections effective to cooperate with the cam structure to move the clutch member axially upon relative movement circumferentially with respect to the flange, means for shifting the clutch member and bringing the conical faces into initial engagement, said cammed projections in cooperation with said cammed structure acting to energize the clutch member and increase the pressure in an axial direction against the conical clutch faces due to said energization, means on the shifter member and on the clutch member positively interengageable when relative angular movement takes place in an energizing direction between the flange and the clutch member whereby the clutch member may be withdrawn by the shifter member.

2,410,512

DIAMOND TOOL AND METHOD OF MAKING THE SAME

Olof V. Lindqvist and Fred D. Martin, Detroit, Mich., assignors to Koebel Diamond Tool Company, Detroit, Mich., a corporation of Michigan

Application March 21, 1942, Serial No. 435,702
6 Claims. (Cl. 76—101)



1. A method of forming a diamond tool which consists in placing a diamond in a suitable mold, covering at least a portion of the surface of said diamond with a metallic substance containing substantially 79% iron, 20% copper as a sintering agent and 1% brass as a brazing agent, placing a tool shank in contact with said metallic substance, and heating said metallic substance to the sintering temperature of said sintering agent and above the melting temperature of said brazing agent while simultaneously applying pressure to said metallic substance thereby to compact said powdered substance to form a solid slug in which said diamond is embedded and simultaneously unite said slug to said shank.

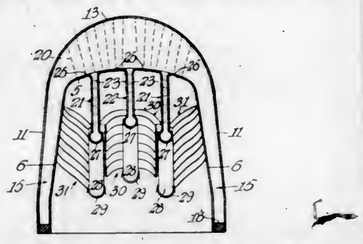
2,410,513

LOCOMOTIVE BOILER FIREBOX

Henry E. May, Chicago, Ill.

Application September 4, 1945, Serial No. 614,282
6 Claims. (Cl. 122—68)

1. In combination with the firebox of a locomotive boiler, laterally spaced water steaming and circulating elements extending longitudinally of the firebox, the top of each element opening through the crown sheet thereof, each element being bottomed by a downwardly and forwardly inclined bulging portion forming a continuation of a tubular inlet neck that communicates with a lower part of the boiler, a water steaming and circulating member between said elements and including a downwardly and forwardly inclined portion arranged in a plane above and substantially parallel with said bulging portions and said necks of said elements and which member opens at its ends into upper and lower portions respectively of the boiler, and bricks supported in part by said bulged portions and said necks respectively of said elements and in part by said portion of said member and forming therewith a part of an arch that increases the effective height and cross sectional area of the central longitudinal part of the combustion space in the firebox, below the arch.

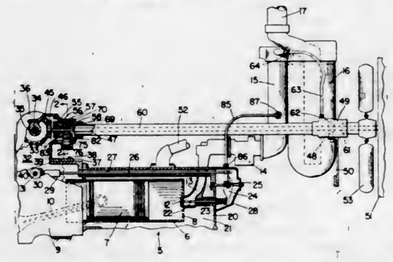


2,410,514

CRANKCASE VENTILATING SYSTEM

Elmer McCormick, Waterloo, Iowa, assignor to John Deere Tractor Company, Waterloo, Iowa, a corporation of Iowa

Application October 14, 1944, Serial No. 558,779
4 Claims. (Cl. 123—119)



1. In combination with an internal combustion engine having a substantially air-tight crank case, an air cleaner for cleaning air for combustion in said engine, and an air intake duct connecting said cleaner with said engine, an air pump driven by said engine and having an air intake passage connected with said air intake duct and having a discharge passage connected with said crank case for supplying clean air from said air cleaner to said crank case under pressure for ventilating purposes, and duct means connecting said crank case to said air intake passage for exhausting air and oil fumes from said crank case for use in combustion.

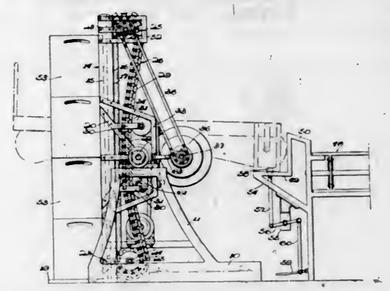
2,410,515

BOX DUMPING MACHINE

Floyd J. McMichael, Orlando, Fla.

Application December 14, 1944, Serial No. 568,156
2 Claims. (Cl. 214—1.1)

1. In a box dumping machine, the combination of a cradle pivoted medially of its length but heavier at one end thereof than the other and movable by gravity to automatically return from substantially horizontal dumping position to substantially vertical loading position to receive a stack of boxes thereon, a motor for rocking the cradle to dumping position, means for automatically de-energizing said motor as the cradle reaches dumping position and freeing the cradle to return by gravity to loading position, a conveyor belt carried by the cradle, a motor for driving said belt, and means for energizing said last mentioned motor after the cradle has crossed the pivotal center thereof when moving to dumping position for operating the belt and shifting the boxes toward the lighter end of the cradle to be dumped and thereby diminishing the weight of the boxes at the heavier end of the cradle and increasing the weight of the boxes at the lighter end of the cradle for maintaining the cradle in dumping position while the boxes are being dumped.

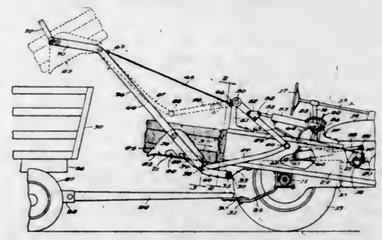


2,410,516

BALE LOADING DEVICE

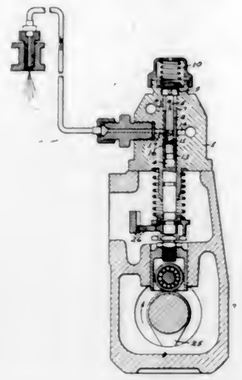
Robert P. Messenger, Kenilworth, and Russel D. Acton, Chicago, Ill., assignors to International Harvester Company, Chicago, Ill., a corporation of New Jersey

Application September 24, 1945, Serial No. 618,304
9 Claims. (Cl. 214—100)



1. A bale hoisting device particularly adapted for receiving bales from a pick-up baler and delivering them vertically and rearwardly to a trailed wagon, comprising in combination with the baler, a pair of laterally spaced upwardly and rearwardly extending channel members, means for mounting the channel members on the baler, a bale receiving member mounted between said channels, a pair of spaced rollers mounted on said member at each side thereof adapted to roll in said channel members as tracks, said channel members being angled downwardly at their upper ends to change the position of the bale receiving member so as to deliver the bale therefrom, a pair of operating links connected at the sides of said bale receiving member and extending rearwardly therefrom, a rock-shaft mounted above the bale chamber, said rock-shaft having a pair of arms pivotally connected to said links, and means connected to said rock-shaft for oscillating the same.

2,410,517
FUEL INJECTION PUMP FOR INTERNAL-COMBUSTION ENGINES
Helmut Müller and Anton Pischinger, Cologne, Germany; vested in the Alien Property Custodian
Application April 29, 1941, Serial No. 390,902
In Germany April 23, 1940
1 Claim. (Cl. 103—41)

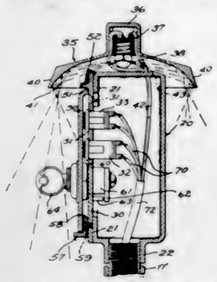


In a fuel injection pump for internal combustion engines, a hollow pump piston, a pump housing having a chamber therein in which is received and guided said pump piston for reciprocating movement, means for reciprocating said pump piston, an equalizing piston slidably mounted in said pump piston and forming therewith at the inner end of said pump piston a pump chamber, spring means urging said equalizing piston toward said pump chamber, means for admitting fuel to said pump chamber, means forming a high pressure injection conduit, and means forming a pressure relief conduit, both said conduits communicating with the chamber of the pump housing and being controlled by said pump piston, said pump piston and said equalizing piston having port means therein respectively adapted to cooperate to release fuel from said pump chamber into said injection conduit during a certain stage of the movements of said pistons, said pistons also having port means therein respectively adapted to form a passage, unconnected with said pump chamber, and connecting said injection conduit and said relief conduit at about the end of said stage of the movements of said pistons during which fuel is released from said pump chamber into said injection conduit.

2,410,518
PRODUCTION OF GLYCERIN FROM SUGAR BY YEAST FERMENTATION
Carl A. Neuberg, New York, and Irene S. Roberts, Fieldston, N. Y.
No Drawing. Application December 30, 1942, Serial No. 470,636
6 Claims. (Cl. 195—38)

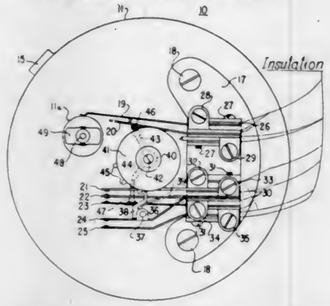
1. In the process of producing glycerine by fermentation of sugar with yeast, in which the reduction of acetaldehyde formed intermediary during the fermentation process is prevented by known means, the combination of the steps comprising generally the use of commercial brewers' yeast in an amount exceeding the amount of yeast merely sufficient for the fermentation of the given amount of sugar; continuously stirring the reaction mass; bubbling added carbon dioxide therein; and maintaining a pH of 7.2–7.5 during the reaction.

2,410,519
OUTDOOR SWITCH BOX
Charles Opalek, Brooklyn, N. Y.
Application October 27, 1943, Serial No. 507,771
4 Claims. (Cl. 240—2)



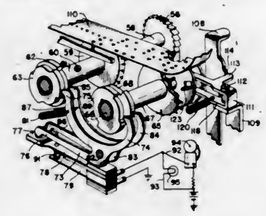
2. An outdoor switch mechanism comprising a suitably supported box with electrical connection leading to the interior thereof, switch mechanism on one side of the box controlling the electrical connection in the box and having a part manually operable upon the exterior of the box, a canopy cover for the box spaced from the top and extending beyond the sides thereof, means accessible on the said side of the box removably attaching the cover to the box, a source of light controlled by said switch mechanism and disposed underneath the cover in light reflecting relation thereto, and a door hinged to the box and adapted when closed to cover the switch mechanism and the said attaching means.

2,410,520
TELEPHONE SYSTEM
John Ellis Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application July 26, 1941, Serial No. 404,103
6 Claims. (Cl. 179—8.5)



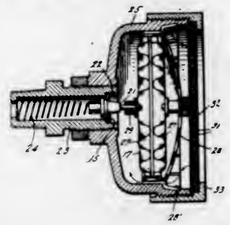
1. In an automatic telephone system, a party line, a plurality of stations on said party line, a calling device at each of said stations, the calling device at any calling one of said stations being selectively operable to transmit over said party line during a single operation thereof both a variable digit and an individual station signal, whereby the calling devices at said stations transmit over said party line different station signals incident to operation thereof, switching apparatus, means responsive to the transmission over said party line of one or more variable digits for correspondingly setting said switching apparatus to extend the call from the calling one of said stations, a plurality of registers individually corresponding to said stations, a register switch having access to said registers, and additional means controlled only in response to the first transmission over said party line of the station signal individual to the calling device at said one station for operating said register switch to select the one of said registers corresponding to said one station.

2,410,521
TAPE FEED ALARM
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 22, 1942, Serial No. 444,067
13 Claims. (Cl. 177—311)



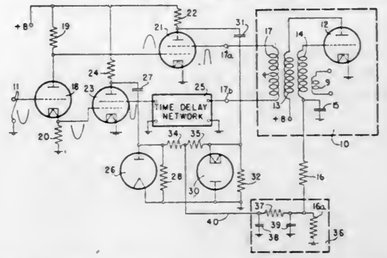
1. In a tape feed alarm, feeding means for advancing a strip, a cam mechanism, means for operating said cam mechanism under the joint control of said strip and said feeding means, an alarm device, a pair of levers controlled by said cam mechanism for operating said alarm device, and means included in said cam mechanism for enabling the operation of one of said levers upon the failure of said strip to exercise control of said cam mechanism to thereby enable actuation of said alarm device which of said levers being actuatable depending on the phase positioning of said cam mechanism.

2,410,522
INLET VALVE FOR GAS COMPRESSORS
William S. Powell, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application June 17, 1942, Serial No. 447,473
3 Claims. (Cl. 230—2)



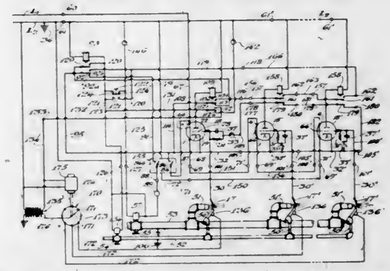
3. The combination with an air compressor and an actuator of insufficient power to drive the same at full capacity at ground level, of a valve controlling the inlet of said compressor, and a barometrically-sensitive, evacuated, and inherently expansive cell within the influence of the air supply for said compressor and connected to said inlet valve to control its effective position relative to the compressor inlet, whereby substantially uniform masses of air will be drawn into the compressor upon unit operation of said compressor irrespective of the pressure of air supply due to altitude of the compressor.

2,410,523
PHASE-RESPONSIVE SYSTEM
John A. Rankin, Park Ridge, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 21, 1945, Serial No. 589,471
10 Claims. (Cl. 250—36)



1. A phase-responsive system for developing an electrical effect varying with the relative phase of two periodic electrical waves comprising, means for combining the two waves with a given polarity, means for individually deriving from said waves two waves of opposite polarity, means for combining said opposite-polarity waves, means for relatively time-displacing at least one of said waves before combining, means for individually rectifying said two combined waves, and an output circuit connected to derive the difference in the outputs of said rectifying means.

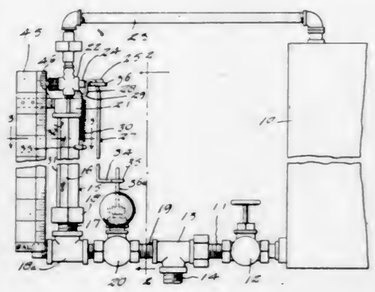
2,410,524
BURNER SAFETY CONTROL
Donald E. Richardson and Robert E. Yates, Chicago, Ill., assignors to Drying Systems, Inc., Chicago, Ill., a corporation of Illinois
Application June 28, 1941, Serial No. 400,332
16 Claims. (Cl. 158—28)



3. In a multiple heater system having a plurality of fuel burners each equipped with a device for sensing the presence of a flame in its burner, the combination of a plurality of electron tubes, means affording a corresponding plurality of input circuits one for each of said tubes and each controlled by a respective sensing device, a plurality of relays, means affording a plurality of output circuits one for each of said tubes and each including the winding of a corresponding relay, means for starting all of said burners in operation, each of said tubes except one responding to the sensing of a flame by the device in its input circuit to operate the relay in its output

circuit, said one tube operating its relay in response to the sensing of a flame by the device in its input circuit only when all of the other relays have been operated whereby operation of the one relay is delayed until flames have been established in all of said burners, and means under control of said one relay for maintaining said burners in operation after said starting means is disabled so long as said one relay remains operative, each of said other relays having a contact which is closed when its relay is operated, and said input circuit for said one tube extending through said relay contacts in series.

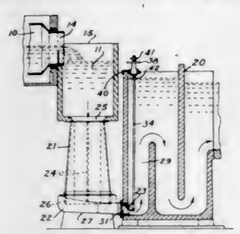
2,410,525
MEASURING GAUGE FOR FUEL OIL TANKS
Abraham L. Richolson, Brooklyn, N. Y.
Application October 29, 1945, Serial No. 625,376
3 Claims. (Cl. 73—332)



2. In combination with a liquid tank having a gravity flow discharge pipe at its lower end, a level gauge attachment to said pipe comprising a transparent tube, means connecting the upper end of said tube to said tank, a connection between the lower end of said tube and said pipe, a pair of valves carried by the oppositely acting connections between said tank and said tube and between the tube and said pipe, dual spring and weight means for normally maintaining said valves closed, means connecting said valves together for simultaneous movement, and an operating lever carried by one of said valves wherein the valve on the connection between said tube and said pipe includes a lever seated on said valve to close it but supportedly connected to said valve, an upstanding bolt carried by said lever connected to one end of the means connecting the valves together and a spring urged link connecting the other end of the latter means to the other valve.

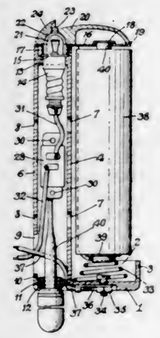
2,410,526
PULP STOCK FLOW CONTROL
John A. Rosmait, Appleton, Wis., assignor to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin
Application October 2, 1944, Serial No. 556,796
8 Claims. (Cl. 92—46)

1. In combination with the surge and head boxes of a paper making machine, means for initially decelerating the flow of effluent stock discharged from the surge box and for converting its velocity energy into pressure, means for spreading the stock while under considerable pressure and as it flows away from said decelerating means, means for directly delivering the spread stock under pressure into the lower portion of the first pass of the head box throughout the entire width of the latter, and means for



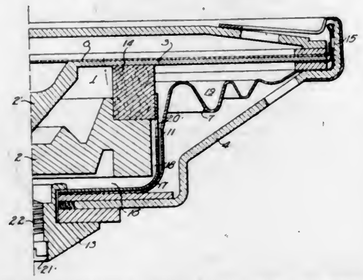
locally varying the cross-sectional area of said delivery means to insure uniform distribution of the stock.

2,410,527
AUTO CHARGER
William G. Schinske, Sycamore, Ill., assignor, by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill., a corporation of Delaware
Application July 17, 1944, Serial No. 545,378
2 Claims. (Cl. 320—2)



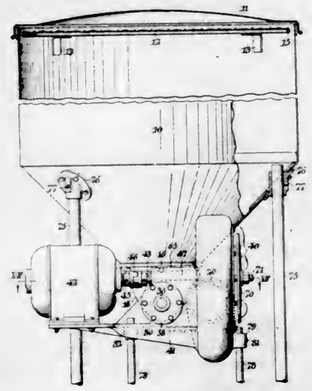
1. A storage battery charger comprising a hollow supporting standard adapted to serve as a housing, a light bulb socket and a controlling switch therefor mounted within the housing, cover means for said housing provided with an opening through which light from a bulb in said socket may be viewed from the exterior of the standard, an upstanding flange carried by the cover means and overhanging said lens, said flange being provided with a forwardly directed reflecting surface for directing light from said bulb forwardly over said cover means, a pair of forwardly projecting arms extending from said housing in generally parallel relation, one of each of said arms being disposed adjacent to either end of the housing and arranged to support a battery therebetween in generally parallel relation to said housing, a battery contact carried by each arm, at least one of said contacts being resilient, means electrically connecting one of said contacts with one pole of said bulb socket, and electrically connecting the other pole of the bulb socket with one pole of said switch and plural conductive means extending within said housing from an external point and electrically connected respectively to the other battery contact and to the other pole of the switch to thereby connect the charger to an external source of potential.

2,410,528
MICROPHONE
Otto Soldan, Falkensee, Osthaveland, Germany; vested in the Alien Property Custodian
Application September 29, 1941, Serial No. 412,893
In Germany October 26, 1940
1 Claim. (Cl. 179—122)



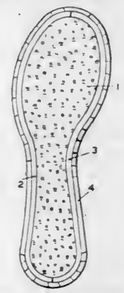
In a microphone, an outer casing, fixed and movable electrodes in said casing, said fixed electrode and casing forming a space between them behind the fixed electrode, a diaphragm secured to said movable electrode for operating the same, a protective casing for said parts comprising a protective diaphragm in front of said operating diaphragm and a flexible pressure compensating diaphragm in the rear thereof, said compensating diaphragm having a peripheral portion sealed to said protective diaphragm and forming a space between said flexible diaphragm and operating diaphragm, extending around said first named space, said first-named casing having an opening whereby said spaces are in free communication with each other, said first named casing being formed with a second opening communicating with said first named space and with the outer atmosphere and means for closing said opening.

2,410,529
STOKER
Carleton K. Steins, Merion, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 19, 1944, Serial No. 559,396
2 Claims. (Cl. 110—45)



1. A furnace stoker comprising a supply hopper for solid fuel, said hopper having a bottom with a forwardly-extending neck portion and a laterally-offset rearwardly-extending communicating neck portion; an air-conducting tube connected to the forwardly-extending neck portion of the hopper bottom and leading to a burner within the furnace; a smaller fuel-conducting tube within the air-conducting tube connecting into the hopper bottom and also leading to said burner; a feed screw within the fuel-conducting tube having its shaft protruding through the hopper bottom at the rear; a motor driven blower with its casing connected to the rearwardly-extending neck portion of the hopper bottom; a motor for driving the blower; and speed reducing gearing interposed between the blower shaft and the fuel feed screw.

2,410,530
SHOE CONSTRUCTION
Jules Q. Strong, Ladue, Mo., assignor of fifty-five per cent to C. W. Mathieson, Sedalia, Mo., and fifteen per cent to P. H. Lamphere, Denver, Colo.
Original application January 21, 1942, Serial No. 427,571. Divided and this application August 2, 1944, Serial No. 547,678
9 Claims. (Cl. 36—30)

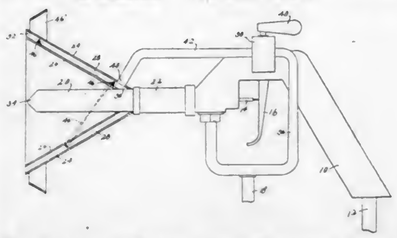


1. In a cushioning construction for use as a foundation means in shoes and upon which the foot of the wearer rests, said construction comprising a sheet of resilient material, shoulder means surrounding the perimeter of said material and abutting the edges thereof for preventing spreading of said material when compressed, said shoulder means comprising two pieces of relatively firm and non-resilient material positioned in end-to-end relation at both the forward and rearward ends of the resilient material with the top surfaces thereof flush with the top surface of the sheet of resilient material, and a sheet of non-stretchable material overlying and engaging the top surface of the resilient material and having its marginal portions secured to the pieces forming the shoulder means.

2,410,531
SYNTHESIS OF VITAMIN B_6
Lester J. Szabo, Cleveland, Ohio, assignor, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 13, 1940, Serial No. 340,408
2 Claims. (Cl. 260—297.5)

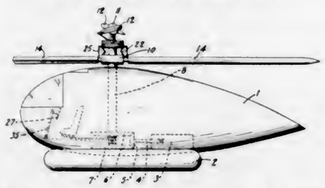
1. In a process of preparing vitamin B_6, the steps comprising treating 2-methyl-3-alkoxy-4,5-bis(aminomethyl)-pyridine with hydrobromic acid as a dealkylating agent to form 2-methyl-3-hydroxy-4,5-bis(aminomethyl)-pyridine, and reacting the resulting 2-methyl-3-hydroxy-4,5-bis(aminomethyl)-pyridine with an agent selected from the group consisting of nitrous acid and products capable of splitting off nitrous acid as a deaminating agent to form vitamin B_6.

2,410,532
APPLIANCE FOR PAINT SPRAYERS
Joseph D. Tessier, Worcester, Mass.
Application March 4, 1944, Serial No. 524,993
4 Claims. (Cl. 299—140)



1. In a device of the class described, a paint sprayer, an elongated nozzle therefor, a funnel surrounding the nozzle, said funnel having a pair of spaced walls forming an air chamber therebetween, means supplying air to said chamber, means providing for a substantially uniform exit for the air all around the funnel, said means including a spiral baffle between the walls of the funnel, said baffle stopping short of one wall, to provide a narrow continuous opening between the walls.

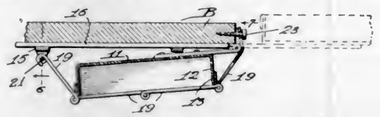
2,410,533
HELICOPTER WITH COAXIAL ROTORS AND CONTROL MEANS THEREFOR
Alan Charles Thomson, Los Angeles, Calif.
Application March 6, 1944, Serial No. 525,245
5 Claims. (Cl. 244—17)



3. A helicopter having upper and lower contrarotatable drive gears, a hollow drive shaft secured to said upper gear, a set of blades at the upper end of said shaft, a co-axial inner shaft having a spline connection with said lower gear, the upper end of said inner shaft projecting above said outer shaft, a set of blades at the upper end of said inner shaft, a control tube between said shafts, a tilt control head co-axial with said inner shaft and arranged on said control tube between said sets of blades, tilt connections between said control head and each of said sets of blades, means for tilting said control head, means supporting said control tube for axial movement, means for axially moving said control tube and said control head without axially moving said inner shaft, and means for moving both said control tube and said inner shaft to thereby move said control tube substantially one-half the distance said inner shaft is moved.

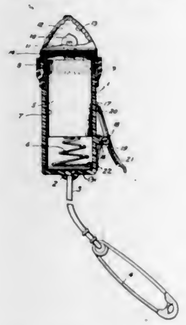
2,410,534
FLATIRON HOLDER
Inocenti Trevino, Los Angeles, Calif.
Application July 8, 1943, Serial No. 493,849
1 Claim. (Cl. 38—107)

Securing means for a flat iron holder hinged to the end of an ironing board, comprising a strap composed of a plurality of flexibly connected links disposed lengthwise, beneath the end of the ironing board on which the flat iron holder is mounted, the free end of the link at the outer end of the strap being provided with a key hole shaped opening adapted to receive a headed pin on the end of the ironing board, a keeper secured to the underface of the ironing board inwardly



from its end, a transversely disposed pin secured at one end to and spaced apart from said keeper and a hook formed on the free end of the link at the inner end of the strap, for detachably engaging said pin and thereby secure the strap in position beneath the flat iron holder when same is positioned beneath the ironing board.

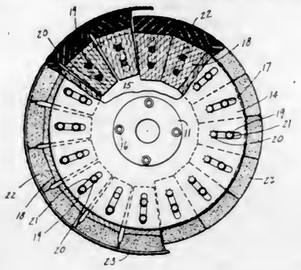
2,410,535
SIGNAL MEANS FOR LIFESAVING EQUIPMENT
Henry A. S. van Daalen, New York, N. Y.
Application July 18, 1942, Serial No. 451,452
1 Claim. (Cl. 240—10.68)



A waterproof, signal light designed to be removably attached to life saving equipment, comprising a battery and a lamp in circuit therewith, a casing having an open end and housing the battery, a cavitated lens housing the lamp and disposed to form a closure for the open end of the casing, the connection between the lens and casing being threaded and substantially waterproof, switch means disposed to be operated by manipulation of the lens, spring means for urging the battery toward the lamp, a collar-like means frictionally engaged with the lens and casing about the point of connection between the lens and casing to insure full waterproofing of such connection and an L-shaped arbor in the casing and engaging the spring and extending upwardly toward the lens alongside the battery and between the battery and casing.

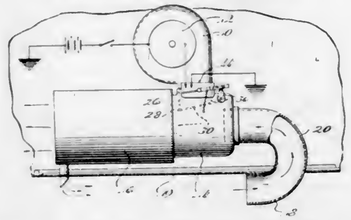
2,410,536
EXPANSIBLE WHEEL
Anton Vonnegut, Indianapolis, Ind., assignor to Vonnegut Moulder Corporation, Indianapolis, Ind., a corporation
Application October 31, 1945, Serial No. 625,805
7 Claims. (Cl. 51—191)

2. An expansible wheel for application to an endless abrasive belt, comprising an annular rim mounting, a series of truncated rim forming sections mounted face to face in annular formation, means for slidably supporting said sections upon said mounting to permit their radial movement relative thereto, said sections when retracted be-



ing adapted to engage the endless belt and being movable radially outward thereagainst under the influence of centrifugal force against said belt when rotated at operative speed.

2,410,537
HEATING APPARATUS
George T. Wait, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 26, 1943, Serial No. 511,767
8 Claims. (Cl. 126—110)



1. In an aircraft heating system having a heater of the sealed combustion type, and having a scoop or ram and a blower for supplying air to the heater, the combination of a housing connected to said scoop or ram, to the outlet of said blower and to the inlet of said heater, a member having a range of movement and movable toward one limit of its range in response to the pressure of the air flowing from said scoop or ram and yieldably biased in the opposite direction, and a control device actuated by said movable member and operative to stop and start the blower, said control device being so actuated for starting the blower when the pressure from the scoop or ram falls below a predetermined value and permits said member to move in said opposite direction.

2,410,538
PRIME MOVER
George William Walton, Farnham Common, England
Application August 8, 1941, Serial No. 405,967
In Great Britain November 22, 1939
20 Claims. (Cl. 60—35.6)

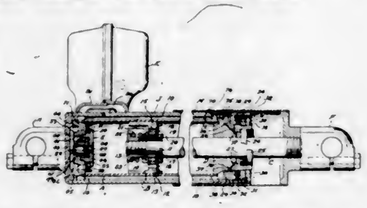
1. A prime mover including a rotatable structure having therein a system of helical passages coaxially disposed around the axis of rotation of said structure with inlets at one end and outlets at the other end of the structure for continuous flow of gases through said passages, the walls of said passages being shaped so that said passages have along them progressive changes of cross-sectional area whereby each said passage comprises an accelerating zone, a heating zone and a final zone, means for heating said gases by fuel combustion throughout at least some of said heating zones, including an igniter and supply systems for fuel and air, said gases entering said inlets flowing through said accelerating zones and being therein mechanically accelerated by rotation of said structure and compressed by retardation of said flow due to said changes of cross-sectional area in the accelerating zones and to back pressure of the heated fluid in said heating zones, the fluid then flowing into said heating zones throughout which the flowing gases are heated while expanding by the heat of said fuel combustion, the flowing gases then entering said final zones throughout which they are progressively expanded, the flowing gases then discharging through said outlets, the unresisted expansion in said heating and final zones accelerating the flowing gases along said helical passages, thereby exerting by reaction on said structure a torque which maintains its rotation and an axial thrust which, multiplied by the velocity of said structure relative to said flowing gases, is the power output of the prime mover in rectilinear form.

20. A prime mover comprising a support, a spindle on said support, a structure mounted for rotation on said spindle and including a passage leading from end to end of the structure through which a gaseous fluid can flow continuously, the entry portion of said passage being helically disposed, and the wall of the passage being shaped so that said entry portion has progressively changing cross-sectional area so that said rotation causes mechanical acceleration and compression of fluid entering the passage as caused by said changes of cross-sectional area and back pressure due to heating which retards that fluid, means for heating fluid while so compressed and while it expands throughout a heating zone in said passage, the outlet portion of said passage being helically disposed and the wall of the passage being shaped so that said outlet portion has progressively changing cross-sectional area so that final expansion of the fluid in the passage occurs with conversion of heat into additional kinetic energy of such fluid whereby said rotation is maintained while a rectilinear power output results from the continuous axial relative movement between said structure and the air stream through said passage, and an electro-magnetic machine including co-operating magnetic circuit elements respectively fast with said spindle and said structure and an electrically conducting winding on at least one of said circuit elements.

2,410,539
SHOCK ABSORBER STRUCTURE
Ralph H. Whisler, Jr., Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application August 28, 1944, Serial No. 551,529
12 Claims. (Cl. 188—88)

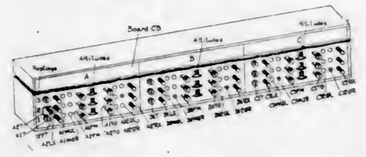
1. A hydraulic shock absorber having a pressure cylinder, a closure for one end of said cylinder projecting endwise therefrom, an outer tubular casing substantially concentric with said cyl-

inder and closure, and means for locking said closure in assembled relation with said cylinder, including locking rings in the space between and threadedly engaging the casing and closure, and a gasket clamped between said rings.



10. A hydraulic shock absorber having a pressure cylinder, a closure for one end of said cylinder projecting endwise therefrom, an outer tubular casing substantially concentric with said cylinder and closure, and means for locking the closure in assembled relation with the cylinder including an assembly of relatively movable parts forming a closure for the space between the casing and closure aforesaid, one of said parts being fastened to the casing, another of said parts being fastened to the first mentioned closure, and another of said parts being a gasket between the two parts just mentioned.

2,410,540
AIRWAY TRAFFIC CONTROL SYSTEM
Sedgwick N. Wight and Oscar S. Field, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application November 20, 1943, Serial No. 511,006
22 Claims. (Cl. 177—353)



9. In combination, a panel board having a plurality of panels each corresponding to a fix along the right of way, a plurality of posting areas for each panel, a manually operable indicating dial for each posting area, a "from" button and a "to" button for each area, and means effective to operate the dial in one area to display the same indication as is displayed by the dial in another area of the same fix when a "from" button only and located in said another area and a "to" button only and located in said one area are depressed.

2,410,541
POLYHALOGENATED OLEFINS
Robert M. Joyce, Jr., Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 10, 1942, Serial No. 438,468
6 Claims. (Cl. 260—654)

1. Process for the preparation of compounds of the formula

$$X-(CH_2CH_2)_n-CH_2-CH=CCl_2$$

wherein n is an integer not more than six and X is a member of the class consisting of hydrogen and halogen, which comprises passing a compound of the formula

$$X-(CH_2CH_2)_n-CH_2-CH_2-CCl_3$$

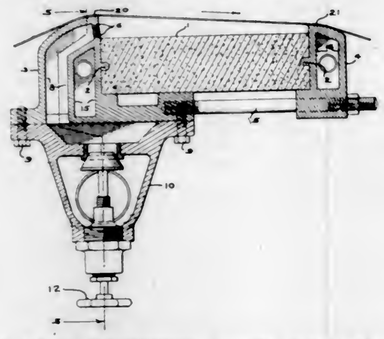
wherein n and X are as above, together with steam over a heteropolyacid catalyst at a temperature of 200–450° C.

4. A compound of the formula

$$Cl(CH_2CH_2)_{n-1}CH_2CH=CCl_2$$

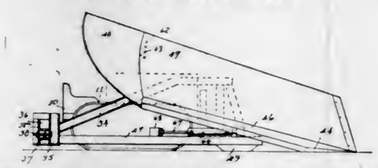
wherein n is an integer greater than one.

2,410,542
RADIANT FLAME COMPRESSION BURNER
William Wallace Kemp, Baltimore, Md., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application January 26, 1945, Serial No. 574,796
11 Claims. (Cl. 26—3)



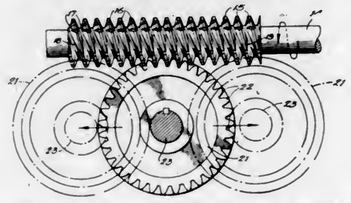
1. A flame compression burner comprising a bed adapted to have a fabric to be singed passed thereover, the fabric being sloped toward the bed in the direction of its travel, forming a wedge shaped area, a burner at the base of said area having orifices directed to project a flame into said area toward the apex thereof, contact with the moving fabric and the directed force of the flame forcing the flame between the bed and fabric compressing the flame and bringing it into close contact with the fabric to singe the same.

2,410,543
SNOW PLOW
George Benjamin Kester, Tingley, Iowa
Application June 22, 1942, Serial No. 447,959
8 Claims. (Cl. 37—44)



5. The combination of a tractor frame, a main frame, means pivotally connecting a rear portion of the main frame to said tractor frame, means supporting the forward end of said main frame, a plow comprising a pair of converging blades, means pivotally supporting the central portion of the plow adjacent the front end of said main frame to swing about a vertical axis, means carried by said main frame for imparting lateral swinging movement to the forward end of said plow, and means carried by the tractor frame for elevating and lowering the forward end of said main frame and said plow.

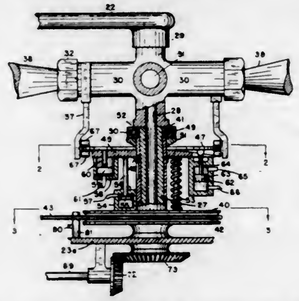
2,410,544
METHOD OF AND APPARATUS FOR FORMING GEAR TEETH
Arthur Mackmann, Chicago, Ill., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application April 4, 1942, Serial No. 437,645
10 Claims. (Cl. 90—1.6)



1. The method of forming gear teeth which comprises forming on a blank a series of gear teeth substantially to the final tooth depth but of slightly larger section than the final tooth form, meshing with the teeth on the blank the teeth of a master worm, forming in the flanks of the worm teeth cutting edges lying in planes substantially tangential to the base circle of the worm, and driving this worm in tight mesh with the teeth of the gear blank so that as the worm is rotated said cutting edges will lie in the helicoidal line of action of the master worm to shave the gear teeth to a corresponding mating surface.

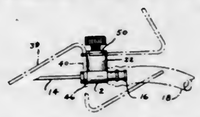
7. A tool for forming gear teeth comprising a master worm having a helical tooth of a size and section complementary to that of the teeth to be formed, the helical tooth having formed in its flanks cutting edges lying in planes tangent to the base cylinder of the worm and substantially coinciding with the helicoidal line of action of the tooth.

2,410,545
PITCH CONTROL MECHANISM FOR ROTORS OF ROTARY WING AIRCRAFT
David W. Main, Denver, Colo.
Application March 15, 1943, Serial No. 479,288
2 Claims. (Cl. 244—17)



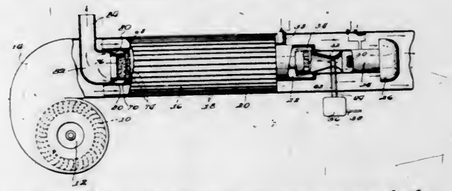
1. In an airplane having a propeller mounted for rotation about a vertical axis, the blades being mounted for pitch adjustment, a pitch control mechanism associated with the propeller, comprising a plate of flexible elastic metal, a rack associated with each propeller blade, forming part of a blade rotating device, the rack having spaced portions engaging opposite sides of the plate adjacent the edge thereof, means for bending the plate about a diameter, whereby a portion of its edge will be positioned at various distances from its normal plane, and means for rotating the propeller, whereby the racks will be reciprocated and the blade pitch changed in accordance with rack reciprocation.

2,410,546
VALVE CONSTRUCTION
Ira E. McCabe, Chicago, Ill.
Application August 24, 1944, Serial No. 550,940
3 Claims. (Cl. 128—214)



1. In valve structure of the character described, in combination, a valve body having means at one end for receiving a flexible conduit, an attachment of generally angular shape adapted to be releasably fixed to said valve body in a plurality of positions, said attachment having an aperture of fixed size at one end and having clamping means at its other end, said clamping means having releasable securement to the valve body whereby the attachment is clamped to the valve body and solely supported thereon in either of said plurality of positions, and said attachment in one of said positions locating the aperture of fixed size to receive the flexible conduit thereby providing a non-kinking support for the conduit.

2,410,547
HEATING APPARATUS
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application April 3, 1942, Serial No. 437,557
9 Claims. (Cl. 126—110)

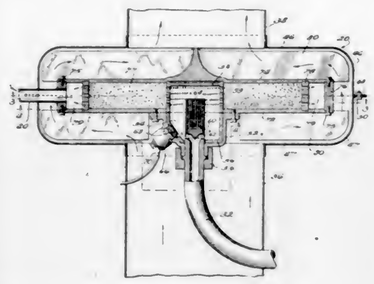


1. A heating apparatus comprising a single fan, a straight duct receiving air discharged by said fan, a scoop for catching and reversing the direction of flow of some of the air discharged by said fan through said duct, a Venturi tube through which such reversed air flows, differential pressure means operated by air flow through said tube for supplying fuel to said Venturi tube, a combustion chamber communicating with the discharge end of said Venturi tube, heat exchange means receiving burned gases from said combustion chamber, said Venturi tube, combustion chamber, and heat exchange means being located in said duct between said fan and scoop, and ignition means for said combustion chamber.

2,410,548
HEATING APPARATUS
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application July 6, 1942, Serial No. 449,877
9 Claims. (Cl. 126—110)

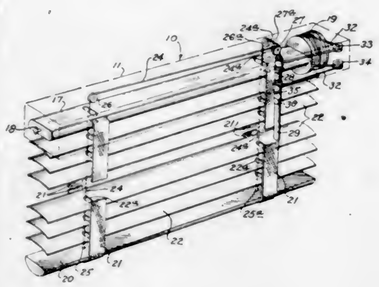
9. A heater of the internal combustion type comprising in combination means providing a

combustion chamber, means for supplying a combustible mixture of fuel and air to said chamber, means for igniting the mixture in said chamber, means forming a second chamber about the upper portion of said combustion chamber and comprising two plates extending outwardly in vertically spaced relation to each other, the wall of the combustion chamber having a series of open-



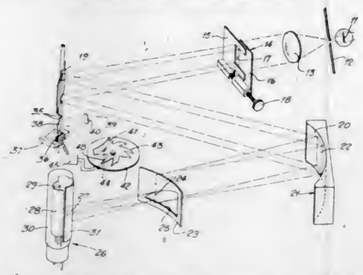
ings therethrough leading into said second chamber for the escape of the combustion gases, acoustic vibration damping means filling a portion of said second chamber, and means in heat exchange relationship with said second chamber for leading air to be heated outwardly and upwardly and then inwardly along the walls of said second chamber.

2,410,549
VENETIAN BLIND
Edwin A. Olson, Los Angeles, Calif.
Application July 31, 1945, Serial No. 607,924
6 Claims. (Cl. 160—34)



1. A Venetian blind comprising a head casing, a head rail pivotally mounted therein, a bottom rail, flexible connections between the head rail and the bottom rail, a plurality of slats supported by said flexible connections between the head and bottom rails, cables fixed to the bottom rail and projecting vertically through the slats and head rail, pulleys carried by the casing over which said cables are led, an operating element movable vertically with respect to the blind and disposed at one side thereof to which said cables are secured whereby vertical movement of the operating element will selectively collapse and extend the blind, rotatable means operable to tilt the head rail, and complemental means on said rotatable means and the operating element whereby the latter may engage the rotatable means to operate the same.

2,410,550
PHOTOELECTRIC INTEGRATOR
Philip Padva, Los Angeles, Calif., assignor, by mesne assignments, to Thomas J. Neilan, Los Angeles, Calif.
Application July 20, 1942, Serial No. 451,669
13 Claims. (Cl. 88—14)

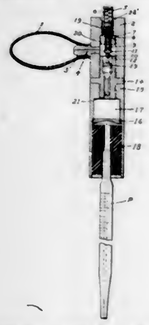


1. In a photoelectric integrator: means for producing a beam of light, movable light-deflecting means positioned in the path of said beam for moving the beam deflected thereby, means responsive to a condition to be integrated for so moving said deflecting means as to position it and said deflected beam in accordance with the magnitude of said condition, a photocell arranged to receive light from said deflected beam, means whereby the amount of light received by said photocell is varied in accordance with variation of position of said deflected beam, and means electrically connected to said photocell for ascertaining the amount of light received by the photocell during a predetermined interval.

2,410,551
ALLYL AND METHALLYL ESTERS OF LACTIC AND ALPHA-ACETOXYPROPIONIC ACIDS
Chessie E. Rehberg, Glenside, and Charles H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture
No Drawing. Application December 8, 1944, Serial No. 567,294
4 Claims. (Cl. 260—484)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Beta-chloroallyl alpha-acetoxypropionate.

2,410,552
MEASURING DEVICE
Sidney Rosen, Baltimore, Md.
Application November 20, 1944, Serial No. 564,244
10 Claims. (Cl. 222—209)



1. In a measuring device for use in connection with a pipette, a tube, a bulb in open communica-

tion with the tube and with the atmosphere through the upper end of said tube, means at the lower end of said tube to receive and form a seal with one end of the pipette, a baffle plate and chamber within said tube to restrict the flow of liquid therein, a normally closed valve interposed between the bulb and the pipette to seal one end of the tube from the other and a plunger comprising an inner plunger member bearing upon said valve, a spring bearing on the inner plunger member, and an outer plunger member relatively movable to and adapted to transmit motion through the spring to the inner plunger member, said outer plunger member extending beyond the top of the tube so as to be manually actuatable and to enable a finger of the operator to simultaneously depress the said outer plunger member and seal the upper end of the tube opening.

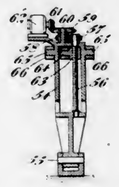
2,410,553
MANUFACTURE OF ALKYLATED AROMATIC COMPOUNDS
Louis Schmerling, Riverside, and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 24, 1944, Serial No. 565,050
14 Claims. (Cl. 260—671)

1. A process for producing alkylated aromatic compounds which comprises reacting a ketone having hydrogen attached to a carbon atom adjacent to the carbonyl group and an alkylatable aromatic compound selected from the group consisting of aromatic hydrocarbons and aryl halides in the presence of a zinc chloride catalyst.

2,410,554
PRODUCTION OF AROMATIC COMPOUNDS
Herman Pines and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 24, 1944, Serial No. 565,051
12 Claims. (Cl. 260—671)

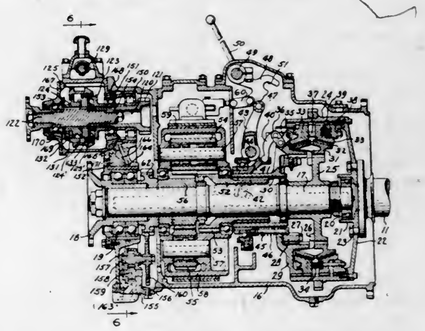
2. A process for producing alkyl aromatic hydrocarbons which comprises reacting at a temperature of from about 0° to about 150° C. in the presence of liquid hydrogen fluoride an aromatic hydrocarbon and an aliphatic unsaturated ketone in which hydrogen is attached to at least one of the carbon atoms adjacent to the carbonyl carbon atom.

2,410,555
OSCILLATING ROTARY SHEAR
Richard H. Stevens, Baltimore, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application June 22, 1945, Serial No. 601,012
24 Claims. (Cl. 164—68)



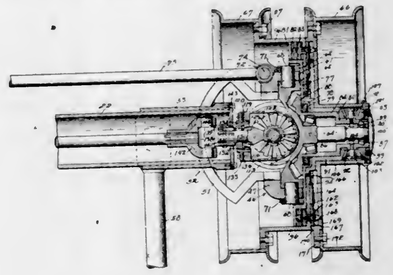
1. In a rotary shear adapted to cut moving strip material into lengths, a pair of cooperating shear drums mounted for reciprocation with the strip material each having a cutting blade thereon, means for rotating the shear drums, a rotary crank arm, a connection between the rotating crank arm and the shear drums, and means for adjusting the connection for varying the speed of the reciprocating and rotating shear drums for various length cuts.

2,410,556
DRIVE MECHANISM
Marsden Ware, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 5, 1942, Serial No. 467,916
11 Claims. (Cl. 74—282)



1. In a boat driving mechanism, the combination with a propeller shaft, of a main engine, direct connecting, reversing and disconnecting mechanism between said engine and the propeller shaft, an auxiliary engine, direct connecting, reversing and disconnecting mechanism for said auxiliary engine, a reduction gear mechanism driven by said latter mechanism, a drive shaft driven by said gear mechanism, a second reduction gear mechanism geared to drive said propeller shaft, connecting and disconnecting mechanism between said drive shaft and said second reduction gear mechanism, and an accessory drive gearing formed as a part of said second reduction gear mechanism.

2,410,557
AUTOMOTIVE VEHICLE
Frank A. Watson, Chicago, Ill.
Application August 23, 1943, Serial No. 499,725
9 Claims. (Cl. 180—24)



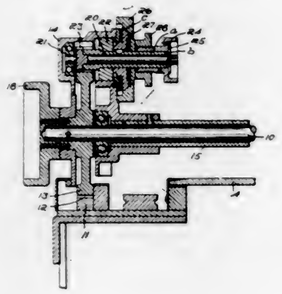
1. A dual front wheel drive assembly including an axle housing, a drive shaft, a yoke member, a spindle for rotatably supporting dual

wheels, pivotal means for supporting said yoke member on said axle housing for pivotal movement in a horizontal plane, means for supporting said spindle on said yoke member for pivotal movement in a vertical plane, and means operatively connecting said wheels with said drive shaft.

2,410,558
MANUFACTURE OF CATALYSTS
Glenn M. Webb and Marvin A. Smith, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 12, 1943, Serial No. 478,960
8 Claims. (Cl. 252—250)

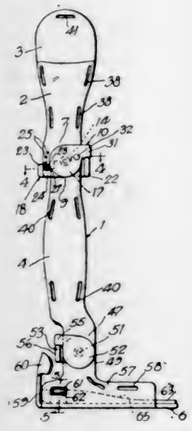
1. A process for producing catalysts which comprises mixing a precipitated and purified hydrated alumina with from about 1% to about 10% by weight of an ammonium salt, dispersing the resultant mixture in an aqueous medium to form an alumina hydrosol, adding to said hydrosol a metal compound soluble in said aqueous medium and capable of yielding a catalytically active metal oxide upon heating, evaporating the resultant mixture to substantial dryness, and heating the resultant residual material to convert said compound to the metal oxide.

2,410,559
PRINTER'S LINE-UP TABLE
James West, Newton, and William M. Davis, Cambridge, Mass., assignors to Craftsman Line-Up Table Corporation, Waltham, Mass., a corporation of Massachusetts.
Original application May 22, 1942, Serial No. 444,008, now Patent No. 2,399,610, dated April 30, 1946. Divided and this application August 17, 1943, Serial No. 498,966
3 Claims. (Cl. 33—184.5)



3. A line-up table structure comprising a table top, a carriage mounted for movement across said top, a straight edge mounted on said carriage, said straight edge extending across the working area of said table top and said carriage supporting it for movement in a plane parallel with and close to said table top, racks at opposite sides of the table top, supporting means for said carriage including a gear running on each rack, and means for facilitating quick adjustment of said straight edge comprising a countershaft including an inner shaft and an outer shaft sleeved on said inner shaft, each of said shafts having a pinion on the adjacent ends of said shafts, said pinions meshing with one of said gears, a housing supported by one of said gears, bearings in said housing for said shafts, said pinions being mounted between said bearings, a first knob on the opposite end of said outer shaft, a tension spring connecting said knob to said inner shaft acting with said pinions to prevent back-lash, a vernier disk on said outer shaft having a taper face, a second disk on said outer shaft having a taper face adapted to engage said first taper face, said faces forming a friction clutch, said first knob having a shank, a second knob threaded on said shank and adapted to engage said vernier disk whereby to cause said friction faces to engage each other, said vernier disk, said second disk and second knob being located between one of said bearings and said first knob, said carriage supporting means further including a carriage shaft extending across said table top and mounting said gears, and a hand wheel mounted on one of said gears, said countershaft being held by said bearings in vertical alignment with said carriage supporting shaft.

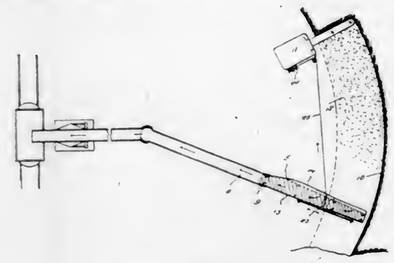
2,410,560
JOINT FOR LEG BRACES
Isadore O. Witte, Los Angeles, Calif.
Application November 29, 1944, Serial No. 565,641
7 Claims. (Cl. 287—101)



1. In a device of the class described, including in combination, inner and outer limb sections pivotally connected together, a stop member mounted on each of said sections, a transverse projection formed on the inner stop member, a lateral projection formed on the outer stop member adapted to engage said transverse projection whereby to limit movement of said limbs in one direction, and means for adjustably locking said limb members against movement in the other direction.

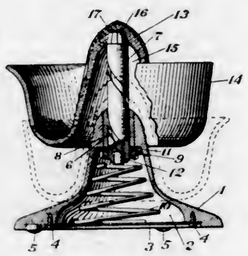
2,410,561
FLEXIBLE LOADING PAN
Donald Bailey, Puritan Mines, W. Va.
Application January 22, 1945, Serial No. 573,911
4 Claims. (Cl. 198—14)

1. A loading pan of the class described comprising an elongated scoop adapted for attaching to the outer end of a shaker conveyor for horizontal swinging movement with said conveyor, an upstanding flange on one longitudinal edge of said loading pan, the other longitudinal edge of the pan being open and adapted to receive loose coal onto the pan upon a lateral movement of the pan under loose coal in a mine working, and a



grader carried by said flange and extending transversely of the pan in spaced relation above the bottom thereof.

2,410,562
FRUIT JUICE EXTRACTOR
Edmund Barany, Syracuse, N. Y.
Application January 4, 1945, Serial No. 571,263
3 Claims. (Cl. 146—3)



1. In a fruit juice extractor, a base having a hollow downwardly extending interior, a plate closing the lower end of said hollow, a plunger, a coiled conical spring having one end secured to said plate and the other end secured to said plunger, means whereby the plunger is mounted in the base so as to rotate relative to the base when pressure is applied to the plunger so as to depress it, said spring being wound up and depressed when the plunger is depressed and serving as a means to return the plunger to its elevated position when the pressure is released and a ribbed head mounted on said plunger.

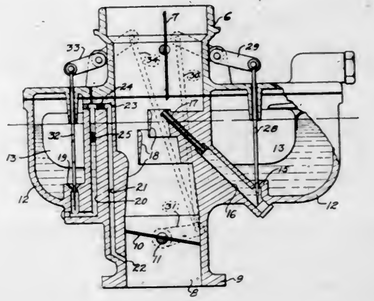
2,410,563
CLOTHES RACK OR STAND
Earl A. Becker, Topeka, Kans.
Application March 26, 1945, Serial No. 584,773
5 Claims. (Cl. 223—63)

1. A clothes rack or stand for trousers and the like, comprising a pair of substantially-parallel vertically-elongated U-frames, each of sectional construction and independently expansible and contractible in width at top and bottom, corresponding members of the two frames having legs for supporting the appliance in upright position, the other members of said frames being pivoted at their upper ends and swingable toward and from their respective related members and provided at their lower ends with arms extending crosswise of and slidably supported by the legequipped members; the members of each frame being reversely bowed outward near their lower



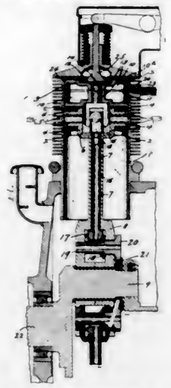
ends, and means for securing the swingable member of each frame in rigid relation to the other member of such frame.

2,410,564
NONICING CARBURETOR
George M. Bicknell, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application June 24, 1943, Serial No. 492,146
1 Claim. (Cl. 261—41)



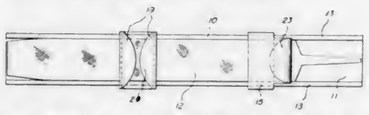
In a carburetor, a mixture conduit, a choke and a throttle valve in said conduit, a float controlled fuel chamber, a main fuel passage extending from said fuel chamber and discharging into said mixture conduit through an opening anterior to said throttle, a metering orifice communicating with said main fuel passage, a metering pin controlling said main fuel orifice, an independent idling fuel passage extending from said fuel chamber and discharging into said mixture conduit through a port spaced substantially posterior to said throttle valve when the latter is in its closed position, the spacing of said idling fuel port from said throttle being so arranged that the vaporization of the idling fuel therefrom will take place wholly beyond said throttle valve to avoid icing the same, a metering orifice in said idling passage, a stepped metering pin for said metering orifice, and a connection between said last named metering pin and throttle, whereby the supply of idling fuel will gradually increase with the movement of the throttle toward open position.

2,410,565
ENGINE
James B. Brockhurst, Red Bank, N. J.
Application January 26, 1943, Serial No. 473,605
8 Claims. (Cl. 60—11)



1. In an engine, a cylinder, a piston having an internal chamber of fixed cubical capacity and a crank shaft, means for the introduction of a power medium into said internal chamber, means whereby expansive power introduced within said chamber operates directly to both project and rotate said piston, and respective means for simultaneously applying both the projecting and rotating piston movements to the rotation of the crank shaft.

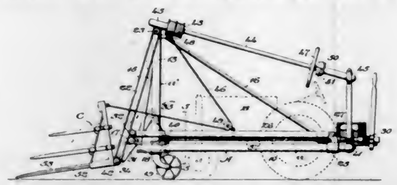
2,410,566
LAWN MOWER SHARPENER
Roscoe T. Burrows, Mystic, Conn.
Application June 21, 1945, Serial No. 600,666
1 Claim. (Cl. 76—82.1)



A tool of the kind described, comprising a flat, elongated body piece, flanges formed at the opposite longitudinal marginal edges of said body in vertical relation therewith, a filing element seated on said body within said flanges, loop-like bales embracing the body piece, and the filing element, opposed tracking ears on one of said bales having the confronting edges thereof rounded, a hook on the other bale, longitudinal slots in said body piece intermediate said flanges, and means engageable in said slots and connected to said bales for holding the bales in adjusted relation to each other on the body piece.

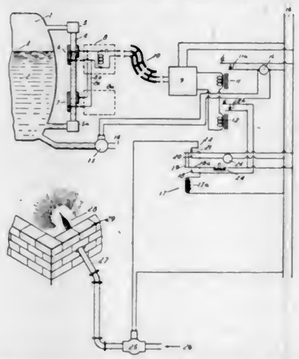
2,410,567
TRACTOR MOUNTED LOADER
Christian Christiansen, St. Cloud, Minn.
Application July 24, 1944, Serial No. 546,339
10 Claims. (Cl. 214—140)

1. A machine of the character described comprising a frame including a substantially horizontally disposed portion and an upright portion adjacent to the front end thereof, said horizontally disposed portion including a pair of laterally spaced substantially horizontally disposed track elements extending longitudinally relative thereto, a pair of laterally spaced arms pivoted at corresponding ends to said upright portion adjacent to the top thereof and swingable between downwardly and forwardly and upwardly and forwardly inclined positions relative thereto, a load carrier mounted upon the free ends of said arms, a second pair of arms slidably mounted at corresponding ends upon said track elements and pivotally connected at their other ends to said first-mentioned pair of arms, respectively, at points spaced from the pivotal connections of said first mentioned arms with the upright portion of said



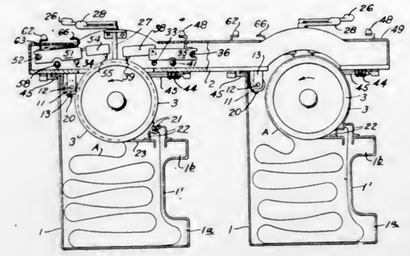
frame, lever means pivoted to said frame and swingable to initiate upward swinging movement of said first-mentioned pair of arms from their downwardmost positions, and drum and cable means operatively connected to said second-mentioned pair of arms and to said lever means and operable initially to swing said lever means to initiate upward swinging movement of said first-mentioned pair of arms and thereafter to effect forward sliding movement of the first-mentioned ends of said second mentioned pair of arms to continue upward swinging movement of said first-mentioned pair of arms.

2,410,568
CONTROL APPARATUS
Theodore A. Cohen, Chicago, Ill., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application January 26, 1943, Serial No. 474,041
11 Claims. (Cl. 122—448)



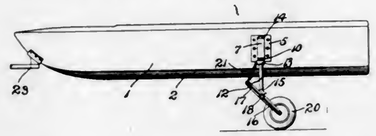
4. In combination, a container, a liquid supply therefor, heating means for the container, liquid level impedance change responsive means responding to liquid level changes to and from a predetermined normal liquid level in the container, a second liquid level impedance change responsive means responding to liquid level changes to and from a dangerously low liquid level in the container and an electronic oscillator controlled by both liquid level means and operatively connected to the liquid supply for automatically controlling the liquid level, and, also operatively connected to the heating means for shutting the same down when the liquid level approaches a dangerously low level.

2,410,569
DUPLEX SOUND RECORDING AND REPRODUCING MACHINE
Alan B. Conant, San Francisco, Calif., assignor to Montgomery Brothers, a copartnership
Application January 11, 1945, Serial No. 572,274
7 Claims. (Cl. 274—11)



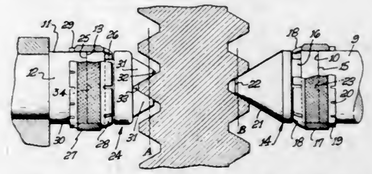
1. In a sound recording and reproducing machine, a rotatable drum over which a record strip is advanced during a recording operation, a driving roller positioned in operative relation with the drum, the said driving roller and the drum being arranged for engagement with opposite sides of the record strip to advance the strip over the drum, means for shifting the drum to move it from an operative position with respect to the driving roller, whereby the advancing of the record strip over the drum may be discontinued, and means arranged above the drum for engaging with the record strip to form a sound-groove therein when the strip is advanced over the drum.

2,410,570
BOAT TRAILER ATTACHMENT
Levi Walter Davis, Marne, Mich.
Application February 7, 1945, Serial No. 576,666
4 Claims. (Cl. 9—1)



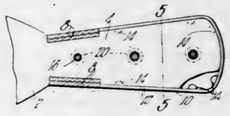
1. In a construction as described, an attachment adapted to be secured, one to each side of a boat, said attachment comprising, a base plate adapted to be detachably secured to a side of the boat, a bracket made from a length of flat metal having upper and lower spaced apart ends and an outer side connecting said ends, said ends of the bracket being permanently secured to said base plate and said ends having alined openings therethrough, a post extending through said openings, a detachable pin passing through the upper end portion of the post above the upper end of the bracket, a block having a side bearing against the base plate located below and against the lower end of said bracket, means for securing the block to said post, said post extending downwardly, a lever pivotally mounted between its ends to turn on a horizontal axis, on said post at its lower end, said lever to one side of said pivot comprising a fork having spaced apart sides, a wheel disposed between said sides and mounted at the ends thereof to turn about a horizontal axis, and a tension spring connected at one end to the opposite end of the lever and at its other end to said post adjacent said block.

2,410,571
SCREW THREAD MICROMETER BUTTON
Robert T. Easton and Arthur H. Griffith, Los Angeles, Calif.
Application June 30, 1944, Serial No. 542,970
4 Claims. (Cl. 33—167)



4. In a micrometer caliper incorporating anvil and spindle elements having flat transverse surfaces, a pair of thread gage buttons having flat transverse surfaces adapted to abut and rotate relative to the respective surfaces of the micrometer elements and means for detachably securing said buttons to said anvil and said spindle elements respectively, each comprising a sleeve having tapered edges incorporating longitudinal slots, one of said edges being pressed frictionally against the respective micrometer element, said button having an annular external groove, the other of said edges being pressed into frictional contact throughout an edge of said groove, the flat surface of each said button and the adjacent flat surface of the respective micrometer element being partially separated by a transverse diametric cleaning groove.

2,410,572
CUTLERY
Elchanan Echikson, Maplewood, N. J., assignor to Pioneer Tool Company, Inc., Bloomfield, N. J., a corporation of New Jersey
Application December 4, 1944, Serial No. 566,517
5 Claims. (Cl. 30—344)

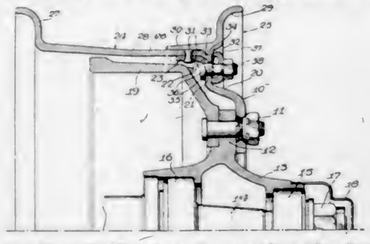


4. The combination with the tang of an article of cutlery of a bolster handle construction comprising in combination, a pair of bolster forming members on the opposite faces of the tang having side walls in contiguous relation at portions of opposite side edges of the tang and upper and lower portions spaced from the tang, a pair of handle forming shell members on opposite faces of the tang having side walls embracing the remaining portions of the side edges of the tang and provided with forward portions extending into spaces between the bolster members and tang, means securing said tang, bolster and shell members together, and means securing said shell members and tang together.

2,410,573
WHEEL AND RIM ORGANIZATION
Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 6, 1942, Serial No. 446,005
4 Claims. (Cl. 301—63)

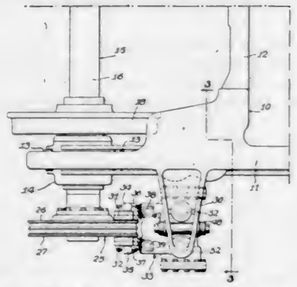
1. A wheel and rim organization for wheels equipped with heavy duty pneumatic tires comprising a disc wheel body having a peripheral

axially extending rim seating flange, a continuous annular rim section comprising a base and a tire retaining flange at one margin of the base, the other margin of said base being turned radially inwardly and seating in nested overlapping relation with said axially extending rim seating flange and the adjacent radially extending wheel body portion and being secured thereto in the overlap by an annular series of circumferentially spaced securing means, the extreme margin of said rim base beyond said securing means having a smooth inclined seat, a continuous demountable tire retaining rim flange section hav-



ing a mating inclined seat engaging the inclined seat on the first-named rim section, and clamping means engaging the wheel body and the demountable rim flange section so as to cause said inclined seat on the demountable section to ride up on the correspondingly inclined seat on the first-named section and thereby tightly clamp, with a large radial component of force, the margin of the first-named section carrying said inclined seat to the wheel body, and so providing additional means, axially spaced from said annular series of securing means, for securing the rim to the wheel body.

2,410,574
BRAKE ARRANGEMENT
Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 19, 1944, Serial No. 518,826
2 Claims. (Cl. 188—153)

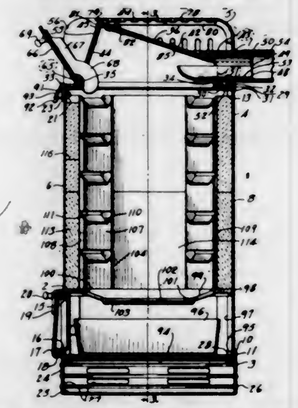


1. In a vehicle brake arrangement, a vehicle frame, a wheel and axle assembly supporting it and embodying spaced braking faces rotating with a wheel of said assembly, brake shoes arranged to operatively engage the respective braking faces, a mounting portion on said frame adjacent the peripheries of said braking faces, a removable support for said shoes, and means for removably carrying said support solely by said mounting portion of the frame and comprising spaced links extending between said mounting portion and said support and articulated to each so as to permit lateral movement of said support, resilient means for normally holding said support centered with respect to said braking faces, said support carrying a brake cylinder and a pair of brake levers operatively interconnecting said cylinder and the respective shoes, said support being carried by the mounting portion of said frame so that the lever axes are arranged in a transverse plane substantially inclined to the horizontal plane through the axle of said assembly, whereby a substantial component of the braking torque is transmitted to said frame in a direction longitudinally thereof.

2,410,575
PROCESS OF PREPARING SUBSTANCES HAVING VITAMIN A ACTIVITY AND NEW VITAMINOUS PRODUCTS
Norris D. Embree and Edgar M. Shantz, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application June 16, 1943, Serial No. 491,068. In Great Britain July 6, 1942
9 Claims. (Cl. 260—488)

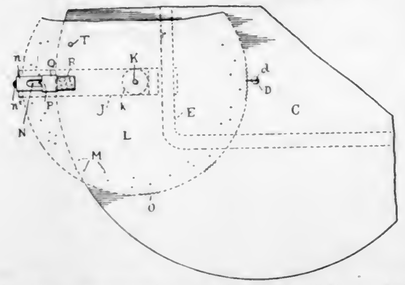
1. The process which comprises treating anhydro vitamin A with an organic acidic substance in a medium containing an appreciable amount of water until the anhydro vitamin A has been at least partially converted into a vitamin A-active material having a higher potency and recovering the vitamin A-active material from the reaction mixture.

2,410,576
STOVE
Edwin Esson, Kansas City, Mo., assignor to Locke Stove Company, Kansas City, Mo., a corporation of Missouri
Application November 18, 1942, Serial No. 466,012
9 Claims. (Cl. 126—68)



1. In a heater of the character described, a sheet metal body section forming radiant heat transmitting portions, a refractory lining facing the inner surfaces of the section in covering relation with said heat transmitting portions for forming a fuel magazine therein, a cast metal frame supported on the body section, a cast metal dome carried by the frame for closing the top of the magazine, sheet metal sections supported on the frame and forming upward continuations of said body section and having air inlet openings, and a sheet metal top cooperating with said last named sections to enclose said dome and having air outlet openings for circulation of air around said dome.

2,410,577
PICTURE OR FILM TIMER
Max Fleischer and Gifford M. Mast, Detroit, Mich.
Application October 16, 1943, Serial No. 506,601
3 Claims. (Cl. 116—114)



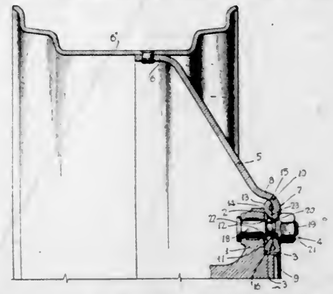
1. The combination with a sound producing apparatus having means for supporting and operating a sound producing record of a given subject, of an indicator to guide the showing of complemental pictorial representations devoted to said subject comprising a disc mounted for rotation with said sound producing record, said disc bearing concentrically arranged series of spots the successive spots in each series indicative of time for actuation of a picture projecting machine to visually portray matter in consonance with the subject matter given off by said sound producing record, a movable pointer, and means actuated by the movement of said disc to propel the pointer to positions to register with said spots, said last-mentioned means including parallel diagonally disposed fins on the pointer and a cooperating lug on the disc, the fins crossing the path of movement of the pin with the disc whereby to be engaged by the lug and pushed with the pointer in a radial direction from an inner series of spots to an outer series of the same.

2,410,578
MINERAL OIL COMPOSITION
John J. Giammaria, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 28, 1944, Serial No. 556,287
10 Claims. (Cl. 252—56)

1. A mineral oil composition comprising a viscous mineral oil fraction having in admixture therewith a minor proportion, sufficient to depress the pour point of said oil fraction, of a lignin ester of an aliphatic acid having at least about 16 carbon atoms.

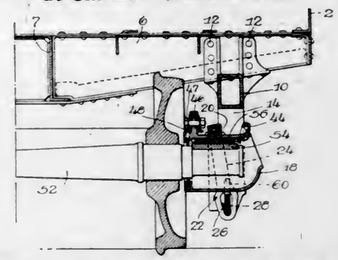
2,410,579
REVERSIBLE WHEEL
Carl J. Haag, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 11, 1944, Serial No. 562,936
4 Claims. (Cl. 301—9)

1. A reversible wheel comprising a hub flange having a substantially planar outboard face, a wheel body having an attaching portion adapted to seat against said face and a reinforcing ring corresponding in diameter generally to said attaching portion and adapted to seat through one face against the wheel body and through the other face against the outboard face of the hub flange, said attaching portion and ring being spaced in their bodies but arranged to engage each other in radially outer and inner zones, both said attaching portion and said ring having radially spaced raised portions on their non-contiguous faces for engagement alternately with the planar face of the hub flange, axially aligned circumferentially spaced openings being formed in



said hub flange, said wheel body attaching portion and said ring in a zone radially intermediate said radially outer and inner zones and said radially spaced raised portions, and securing means extending through said respective aligned openings and clamping the parts together.

2,410,580
RAILWAY CAR
Charles L. Heater, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 17, 1944, Serial No. 535,911
10 Claims. (Cl. 105—222)

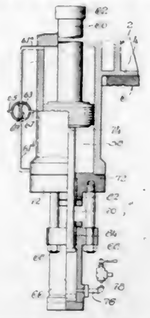


4. In a railway car, a car body with spaced depending pedestal legs fixed thereto, a wheel and axle assembly comprising a journal box between said legs, a swing hanger rockably mounted on said box and comprising spaced arms depending at opposite sides thereof, a bar extending beneath said box and pivotally connected to respective arms, and members at opposite ends of said bar vertically reciprocable in said legs and supporting resilient means in abutment with spring seat means thereon and on said legs, each of said members comprising means extending downwardly at one end of the spring seat means thereon and in spaced relationship to the adjacent extremity of said bar for engagement therewith to limit relative longitudinal movement thereof.

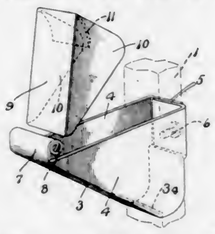
2,410,581
HYDRAULIC PRESS
Reiza J. Hess and Frank G. Cizek, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Original application September 13, 1943, Serial No. 502,124. Divided and this application May 15, 1944, Serial No. 535,620
12 Claims. (Cl. 18—16)

3. In an hydraulic press of the class described, a material cylinder, means for closing one end

thereof, a ram having a head on one end thereof reciprocal within the opposite end of said cylinder, hydraulic motor means for reciprocating said ram, a relatively small diameter auxiliary ram positioned to abut with the opposite end of said main ram, and hydraulic motor means independent of said first-mentioned means for urging said auxiliary ram against said main ram in the direction axially thereof and thereby moving said head to a predetermined point within said cylinder for predetermining the amount of material which may be inserted within the first-mentioned end thereof.



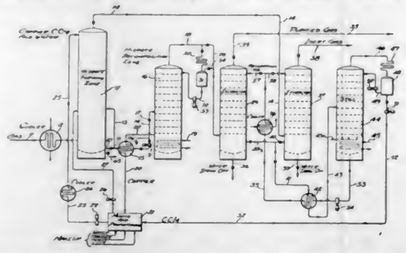
2,410,582
ADJUSTABLE STILT STEP
Charles B. Higgins, Grand Rapids, Mich.
Application June 11, 1945, Serial No. 598,869
7 Claims. (Cl. 272—70.2)



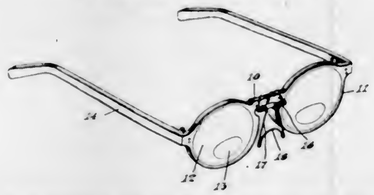
1. In a stilt, a vertical stilt staff, a step adjustably mounted on said staff and extending horizontally therefrom, said step including a lower member embracing the staff, said lower member having spaced apart sides and an upwardly extending inwardly turned portion at its outer end, and a second member comprising a horizontal web and depending spaced sides, the outer end of said web being adapted to be releasably located underneath said inwardly turned portion at the outer end of the first member and said web reaching to said staff, the sides of the second member extending downwardly alongside the outer sides of the sides of the first member, and means at a plurality of spaced apart points in the length of the staff engageable by the lower member for holding the step in a selected position to which moved.

2,410,583
SEPARATION OF HYDRATE-FORMING COMPONENTS OF GASEOUS MIXTURES
Arthur J. L. Hutchinson, San Marino, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application July 10, 1943, Serial No. 494,164
10 Claims. (Cl. 260—676)

1. The method of treating a gas comprising a mixture of hydrate-forming hydrocarbon components and an inert non-hydrate-forming constituent to separate said inert constituent, that includes contacting said gas with water and a hydrate-forming halogenated aliphatic hydrocarbon additive in a conversion zone under temperature and pressure conditions causing formation of a mixed hydrate of said hydrocarbon components and additive, said mixed hydrate having substantially lower vapor pressure than the hydrate of said hydrocarbon components alone and at corresponding temperature, separating said inert constituent from the mixed hydrate, continuously removing the hydrates from said zone and dissociating the removed hydrates, recovering said additive, and returning the additive to the conversion zone.



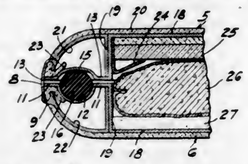
2,410,584
ADJUSTABLE SUPPORT FOR BIFOCAL LENSES
Charles D. Jencks, Bristol, R. I.
Application February 19, 1944, Serial No. 523,042
7 Claims. (Cl. 88—51)



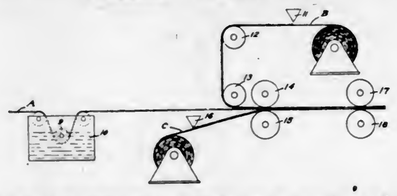
1. A spectacle or eyeglass structure including a bridge, nose-pieces and bifocal lenses united in conventional predetermined relation, an auxiliary nose rest mounted on the bridge adjacent to the nose pieces, and spring means connected to said auxiliary rest for holding it beneath the bridge while permitting it to swing outwardly under light pressure, the movement of the rest from one position to the other resulting in vertical adjustment of the structure supporting the bifocal lenses.

2,410,585
LEAKPROOF POWDER CASE
Arthur S. Leitner, Los Angeles, Calif.
Application March 3, 1945, Serial No. 580,863
3 Claims. (Cl. 220—46)

3. In a leakproof powder case, two circular members having each a peripheral edge portion connected to that of the other by a hinge, said members having annular marginal face portions which abut when the device is closed, there being in each of said marginal portions a groove which matches with that of the other, each of said grooves being eccentrically positioned in relation to said circular members, so as to be offset from the hinged portion of the device, thereby providing additional space to be occupied by said hinge, and a sealing ring permanently mounted in one of said grooves to form a seal when the device is in a closed condition.

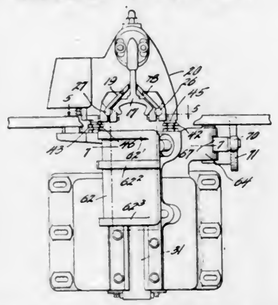


2,410,586
LAMINATED MATERIALS
Alan R. McGarvey, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application November 28, 1940, Serial No. 367,504
7 Claims. (Cl. 154—40)



1. In the method of producing laminated materials by pressing together at least two sheets of asphalt-saturated felt with a bonding material therebetween comprising two components, the one component comprising an aqueous rubber dispersion and the other component comprising a hydraulic-setting cement, the steps of applying one of said components to at least one surface of one of said sheets; applying the other of said components to at least one surface of the other of said two sheets and then pressing said sheets together with their coated faces opposed to form and activate said bonding material by bringing together for the first time said dispersion and said hydraulic-setting cement.

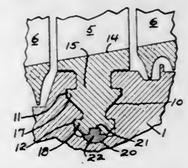
2,410,587
MECHANISM FOR PARTIALLY CLOSING CONTAINERS
Charles Z. Monroe, Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application January 14, 1943, Serial No. 472,377
6 Claims. (Cl. 93—36.8)



1. Apparatus for partially folding the foldable end closures of paper containers comprising, in combination, means for supporting a container with its foldable end in a predetermined position to be acted upon, two container end folding elements, and mechanism for moving said elements into position to act upon the foldable end of a container so supported, causing said elements to move relatively to each other to effect the folding of the container end, and thereafter removing the same from the proximity of the container end, said mechanism including a power driven actuating part located at all times below the position occupied by a container end when such end is being folded, a member operatively connected to and extending upwardly from said part, a carrier mounted upon said member for limited movement relatively thereto, means mounting said elements on said carrier whereby both move bodily with the carrier and are relatively movable with respect to each other, a connection between one element and said member whereby said element is actuated when said carrier is caused to move relatively to said member, a stop for limiting the movement of said carrier and causing relative movement of the carrier and member when the carrier reaches a predetermined point in its downward travel, and means for restoring the carrier to its original position on said member when said member moves upwardly.

5. Apparatus for partially folding the foldable upper end closure portions of paper containers, comprising, a solid mandrel and a folding finger, means for introducing the mandrel into a container and withdrawing the same therefrom after the end has been partially folded, and means for momentarily clamping the container body while the mandrel is being withdrawn and thereafter promptly releasing the same.

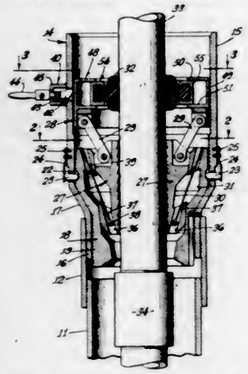
2,410,588
TURBINE BLADE AND ASSEMBLY THEREOF
Arthur J. Phelan and Vladimir H. Pavlecka, Pacific Palisades, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application June 23, 1942, Serial No. 448,132
10 Claims. (Cl. 253—77)



1. In a turbine having rotor and stator elements, a circular blade stage on one of said elements comprising a plurality of separate turbine blade members having a base, an extension on said base, one of said elements having a circular channel therein, said circular channel being under-cut, and having a laterally expanded portion on one side of said channel, said expanded portion also being under-cut, a tooth on each of said blade member extensions loosely fitting said channel under-cut, said extensions being located in said channel and in abutting relationship to adjacent extensions of similar blade members, a wedge positioned between the bottom of said channel and the end of each extension to force said teeth against said channel under-cut and to stabilize said blade members, a last blade member in said enlarged portion of said channel, said last blade member having an extension tooth engaging said channel under-cut without clearance, a second tooth on said last blade member

extension on the side thereof facing the undercut on said enlarged portion, and a locking member engaging said second tooth and said last mentioned under cut.

2,410,589
AUTOMATIC SLIP MECHANISM
August L. Segelhorst, Taft, Calif.
Application August 17, 1942, Serial No. 455,049
16 Claims. (Cl. 166—14)



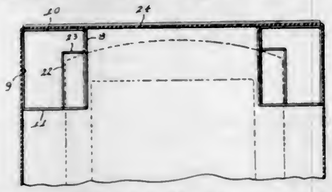
1. In a well pipe supporting means: a housing; a segmental slip bowl seated in said housing; yieldable means mounted on said housing releasably securing said bowl in said housing, said yieldable means being adapted to be overcome by a predetermined upward force on said bowl; and slips downwardly slidably receivable in said bowl to engage and support against downward movement a pipe extending through the bowl.

2,410,590
CONCENTRATION OF FAT-SOLUBLE VITAMINS
Edgar M. Shantz, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application January 21, 1944, Serial No. 519,203
10 Claims. (Cl. 167—81)

1. The process of preparing a fat-soluble vitamin concentrate which comprises reacting a glyceride fat which contains a fat-soluble vitamin with at least approximately stoichiometric amounts of a member of the group consisting of primary amines, secondary amines, and quaternary ammonium bases, until substantially all the fatty acids of the glyceride have combined therewith and then separating the vitamin in concentrated form from the reaction mixture.

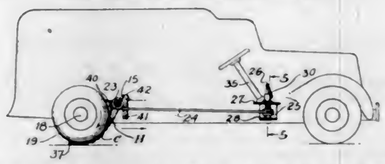
2,410,591
FIBERBOARD CUSHIONING FILLER FOR CARTONS
William E. Turner, Chattanooga, Tenn., assignor to O. B. Andrews Company, Chattanooga, Tenn., a corporation of Tennessee
Application February 12, 1945, Serial No. 577,441
1 Claim. (Cl. 229—42)

A filler for shipping cases comprising a blank of fiberboard divided by transverse score lines into sections, one end section having spaced parallel slits extending longitudinally of the blank from a point adjacent its free edge to a point within the next adjacent section to define a panel foldable at each end and intermediate its length, a notch formed in the opposite end section extending from its free edge to a point adjacent the next section, said notch being of a width substantially the same as the panel, the sections of



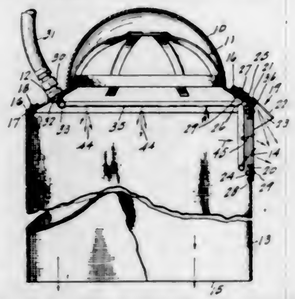
the blank being foldable to form a rectangular frame having the end sections disposed in overlapping relation with the panel folded inwardly through the notch to form a recess in the side of the frame and operating to interlock the end sections together.

2,410,592
EMERGENCY BRAKING APPARATUS
William E. Wread, Sr., Los Angeles, Calif., assignor to Wread Overhead Door Co., Los Angeles, Calif., a corporation
Application August 30, 1944, Serial No. 551,803
16 Claims. (Cl. 188—4)



1. An emergency braking apparatus for motor vehicles, comprising: a skid chain; rotatable means for supporting said chain in wound form on the vehicle; means tending to unwind said chain from said rotatable means to a position in which the chain is extended in the path of a wheel of the vehicle; manually controlled means for actuating said rotatable means to rewind said chain and to place the second mentioned means under tension; and means for latching said second mentioned means to restrain it against rotation of the first mentionel means.

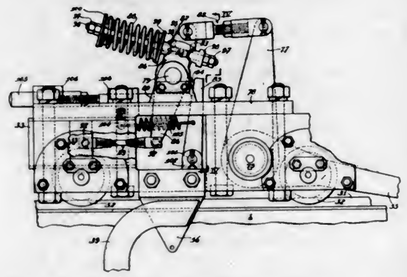
2,410,593
RESPIRATORY SPRAY HOOD
Charlie Wright, Oakland, Calif.
Application September 4, 1945, Serial No. 614,279
3 Claims. (Cl. 128—145)



1. A spray hood comprising; a head cover having a flexible encompassing sleeve depending

therefrom and an observation opening in said sleeve; air conduits within said sleeve and having outlets to deliver air within said sleeve, and a supply of air under pressure and control means therefor for said conduits, whereby air is deliverable to fill said hood and escape through said observation opening to reject entrance of extraneous air to said hood; a visor formed over the observation opening and having closed sides for restraining transverse circulation and having connections with said air conduits for delivery of air externally in front of the observation opening; said visor having a downwardly inclined front plate for directing air from said connections downwardly in front of the observation opening and thereby prevent entry of spray into the hood through the observation opening.

2,410,594
CARRIAGE FOR METAL DRAWING APPARATUS
Raynal W. Andrews, Jr., New Kensington, and Arthur T. Delly, Pittsburgh, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 3, 1939, Serial No. 288,163, now Patent No. 2,331,953, dated October 19, 1943. Divided and this application June 21, 1940, Serial No. 341,696
8 Claims. (Cl. 205—24)

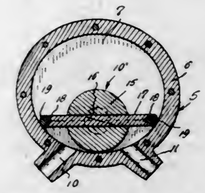


1. In a draw head for operation in a mechanism of the class described, a mechanism for actuating a work gripping jaw comprising a shaft, a crank freely oscillatable on said shaft, a lever freely oscillatable on said shaft and having an end operatively connected to a movable work gripping jaw, and resilient means associated with said lever and said crank for resisting relative rotation therebetween in either direction and adapted to correlate their oscillation on said shaft, said resilient means including members adapted to engage said lever and said crank, whereby relative angular disposition of the crank and lever is adapted to strain said resilient means.

2,410,595
RUBBERLIKE PRODUCTS
Raymond F. Bacon, Bronxville, and Rocco Fanelli, New Rochelle, N. Y., assignors to Texas Gulf Sulphur Company, New York, N. Y., a corporation of Texas
No Drawing. Application May 18, 1943, Serial No. 487,496
10 Claims. (Cl. 260—79)

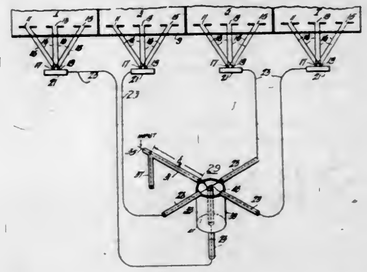
1. The method of making a rubber-like product which comprises heating a mixture of 1, 3 butadiene and sulphur in a closed vessel at a temperature of from 70° C. to 160° C. for from one hour to 100 hours, the relative proportions by weight of butadiene and sulphur in said mixture being from 1 part of butadiene and 1 part of sulphur to 1 part of butadiene and 9 parts of sulphur.

2,410,596
SLIDING VANE ENGINE OR PUMP
Aaron C. Bradford, Thayer, Mo.
Application November 9, 1943, Serial No. 509,599
3 Claims. (Cl. 103—137)



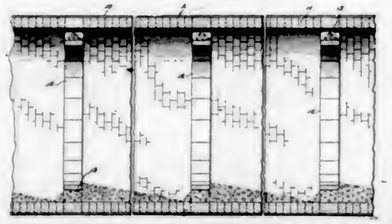
3. In a pump, a stator having inlet and outlet ports and forming a chamber of elliptical section and having opposite end walls and a curved side wall, a rotor eccentrically journaled in the chamber and having contact with the stator between said ports and provided with a slot, a substantially rectangular plate slidable in said rotor slot and having V-shaped grooves in its edges and coacting with the walls of the pump chamber and including opposite edges each of which passes over said ports in succession, said plate forming expanding and contracting fluid spaces, and a packing mounted within each of said grooves, said packing taking the form of substantially L-shaped strips having their adjacent ends beveled to overlap one another and of a cross-section conforming to a groove of said plate.

2,410,597
ANTENNA SYSTEM
George H. Brown and Donald W. Peterson, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 31, 1944, Serial No. 561,189
11 Claims. (Cl. 250—11)



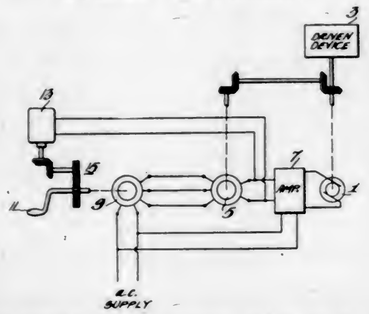
1. A broad band directive antenna system, including four groups of collinearly disposed radiator elements, constituting two side groups and two center groups, four coaxial transmission lines, one coupled to each of said groups respectively, a main feed line, means for coupling said coaxial lines associated with said side groups in series with each other across said main feed line, and means for coupling said coaxial lines associated with said center groups in parallel with each other across said main feed line.

2,410,598
ROTARY KILN
Walter R. Cliffe, Hershey, Pa.
Application April 24, 1943, Serial No. 484,420
8 Claims. (Cl. 263—32)



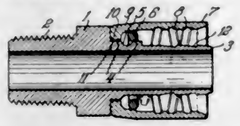
1. A rotary kiln comprising a lined rotary drum, a plurality of axially spaced, annular members of appreciable width positioned in said drum in contact with its lining and rotatable with the drum, said members each projecting radially into the drum beyond its lining a distance which approximately equals the depth of the material moving through the drum, whereby the hot treatment gases will be permitted to partake of a substantially normal longitudinal flow through the drum and the flow of the material through the drum will be retarded by the members to prolong the transfer of heat to the material from the flowing gases and from the portions of the drum lining located between the spaced members, each of said members having a circular series of openings extending axially therethrough, each of said openings being continuously closed throughout its circumference and adapted to receive and retain a small charge of the material advancing through the drum for carrying the charge in heat transfer relation with the high level gases passing through the drum as the latter rotates.

2,410,599
REMOTE CONTROL SYSTEM
James W. Conklin, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application February 24, 1943, Serial No. 476,902
4 Claims. (Cl. 172—239)



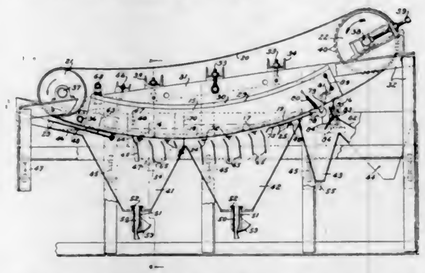
1. A remote control system including a driven shaft, a control shaft, means for deriving an A.-C. control voltage proportional in amplitude to the difference in the angular positions of said shafts, a control member connected to said control shaft and to an A.-C. motor, and means for applying said A.-C. voltage to said motor so as to prevent operation of said control member above a predetermined speed.

2,410,600
FLEXIBLE CONDUIT AND COUPLING FOR SAME
Irving Cowles, Detroit, Mich., assignor of seventy per cent to himself and thirty per cent to Rudolph Wm. Lotz, Chicago, Ill.
Continuation of application Serial No. 376,189, July 27, 1941. This application August 12, 1943, Serial No. 498,288
5 Claims. (Cl. 285—84)



1. An incomplete flexible conduit assembly comprising a length of hose, and a coupling comprising a non-cylindrical body member equipped with an axial stem engaged in the hose and having an enlarged inner end portion provided with a groove to receive a split ring, a unitary shell radially contractible progressively from its mouth throughout its length to a diameter no greater than the smallest diameter of the body member which is equipped with an end wall abutting the body member and is provided with a central opening of larger diametric dimensions than said grooved end portion of the stem and through which the latter projects, said shell including a main cylindrical internally threaded mouth portion and a convergent inner end portion merging into said rear wall, and a split ring of inner diameter to receive the grooved end portion of the stem telescopically, loosely disposed within the shell in the path of the hose extremity, the contraction of said shell as aforesaid effecting permanent completion of the conduit with the end wall of the latter snugly engaged with said stem and said split ring engaged in said groove.

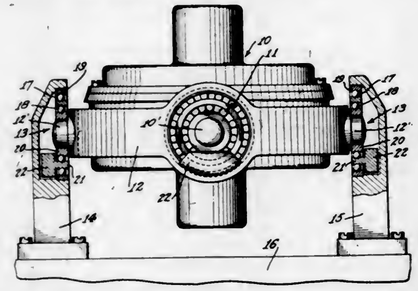
2,410,601
MAGNETIC SEPARATOR
Robert E. Crockett, Pompton Lakes, N. J., assignor to Dings Magnetic Separator Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 12, 1940, Serial No. 365,183
17 Claims. (Cl. 209—225)



13. In a magnetic separator, a pair of spaced pulleys, one substantially higher than the other, a carrier belt for running over said pulleys and having a lower reach suspended in loosely sagging position therebetween, the lower reach areas which are nearer the lower pulley sagging in approximate tangency to the horizontal while areas nearer the higher pulley are inclined more and more upwardly to a discharge point, means for driving the pulleys and belt in a direction for upward travel of said reach, means for feeding and conducting along the under side of said first

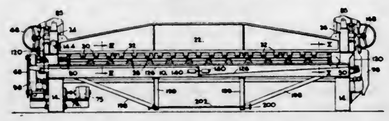
named areas, a liquid mixture containing magnetic particles and non-magnetic material, a series of magnets on the upper side of said lower reach, such series extending along and being curved in substantial conformity with said areas, for causing said particles to be separated and carried on the belt, while the belt areas with such particles thereon travel from an approximately horizontal position, through a region of submergence in said liquid, and thence up to said discharge point, and means providing a stationary surface extending up along and in spaced relation to said more inclined areas on the belt, to form a trough space subject to the effective field of said magnets above said region of submergence, and means for projecting a series of forceful sprays of water against the belt in said trough space, to thereby release remaining non-magnetic material on the belt while said stationary surface retains any dislodged magnetic particles within said field for recapture on the belt, and said remaining material is washed back down the trough space by the spray water.

2,410,602
JOURNALING MECHANISM
Arthur P. Davis, New York, N. Y., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York
Application August 31, 1944, Serial No. 552,126
13 Claims. (Cl. 308—183)



1. A self-contained journaling mechanism for relatively rotating concentric parts, comprising a ring interposed between said parts, and means rendering said ring pendulous, whereby the relative movement between said parts imparts a limited pendulous oscillation to said ring to thereby reduce the friction incident to said relative rotation of said parts.

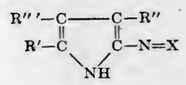
2,410,603
FORMING ROLL
Paul P. M. Dubosclard, Buffalo, N. Y.
Application September 1, 1944, Serial No. 552,291
13 Claims. (Cl. 153—54)



1. In a machine having a long bed and press actuated by fluid means at opposite ends thereof, wherein it is normally desired to provide said press to remain substantially equidistant from said bed at opposite ends thereof; an automatic levelling control comprising a single fluid pump and conduit means extending parallel into connection with said fluid means, return conduits leading from said means into a cylinder at longitudinally spaced ports therein, a piston within said cylinder normally positioned therein between the position of said ports so as to avoid closing thereof, said piston being perforated to provide metered passage of fluid therethrough and connected to a control rod extending exteriorly of said cylinder, a differential lever pivoted to said control rod intermediately of its ends and pivotally connected at its opposite ends to push-pull members linked to opposite ends of said press so as to be differentially displaced upon movements of said press relative to said bed to unequally spaced relation at opposite ends thereof, whereby said control lever will be automatically shifted to move said piston so as to throttle one of said ports whereby to retard fluid drainage from one of said fluid means and to thereby provide a press-level restoring force.

2,410,604
MANUFACTURE OF NEW COLORING MATTERS
Eric Paul Goodings and Maurice Arthur Thorold Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 9, 1943, Serial No. 494,121. In Great Britain July 13, 1942
3 Claims. (Cl. 260—313)

2. An asymmetrical chemical compound which contains a single 2:4-diaryl-pyrrole nucleus and has the general formula:



where R′ and R″ stand for aryl radicals, R‴ is a member of the group consisting of hydrogen, aryl-, alkyl-, and acylamino- radicals and where X is the residue of a reactive methylene compound which remains after splitting off the two reactive hydrogen atoms.

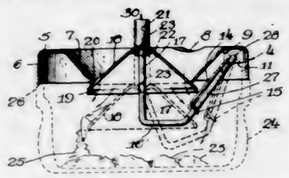
2,410,605
INTERPOLYMERS OF ISOBUTYLENE WITH AN ALKYL ACETYLENE AND THEIR PREPARATION
Denis William Huebner and James Edgar Fearey, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 18, 1943, Serial No. 487,537. In Great Britain May 18, 1942
6 Claims. (Cl. 260—92)

1. A process for the production of an interpolymer of isobutylene and methyl acetylene which comprises subjecting a mixture containing isobutylene and methyl acetylene to the action of boron trifluoride at a temperature below —10° C.

2,410,606
ASH RECEIVER
Andrew Michyeta, Hinsdale, Ill.
Application July 30, 1945, Serial No. 607,782
1 Claim. (Cl. 220—35)

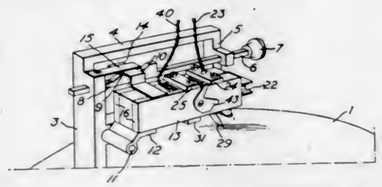
An ash tray head comprising, a cap element having an internal well portion terminating in an open portion and having an outer flanged portion adapted to be secured to an ash receiver, a bracket secured to the said cap element ad-

jacent the said flange portion, a substantially U shaped arm having one of its legs provided with an extension pivotally secured to the said bracket, conical snuffer means provided with a base portion of greater magnitude than the said open portion, the said conical snuffer means having



its apex detachably secured to the end of the free leg of the said U shaped arm by a universal joint, and spring means confined about the said extension and having one of its ends anchored to the said bracket, its other end being secured to the said first-mentioned leg of the said U shaped arm.

2,410,607
ELECTRIC RECORDER-REPRODUCER UNIT
Frank L. Moore, Flushing, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application March 14, 1944, Serial No. 526,390
16 Claims. (Cl. 179—100.41)

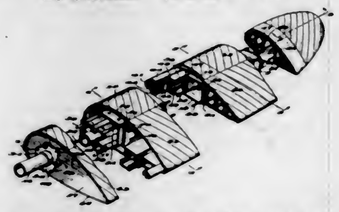


1. A combined recording and reproducing unit comprising a magnetized housing forming reproducing and recording poles respectively separated by air gaps, armatures movably supported in said air gaps respectively, a recording winding for one of said armatures, and a reproducing winding for the other of said armatures, a longitudinally rigid recording stylus connecting to one of said armatures, a flexible support connected to the other of said armatures and extending at right angles to said recording stylus and a reproducing stylus attached to the end of said support.

2,410,608
HYDRAULIC LIQUID HAVING A COMPARATIVELY SMALL CHANGE IN VISCOSITY
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, Hillside, N. J., a corporation of Pennsylvania
No Drawing. Application March 2, 1942, Serial No. 433,020
8 Claims. (Cl. 252—75)

1. A hydraulic liquid having a freezing point below about minus 50° F. and a comparatively small change in viscosity in the temperature range between minus 40° F. and 200° F., consisting substantially entirely of a trialkyl phosphate having dissolved therein about 1% by volume of a corrosion-resisting agent and about 0.25% by volume of a pour point depressant.

2,410,609
AIRCRAFT ROTOR WING CONSTRUCTION
Joseph S. Pecker, Philadelphia, Pa.
Original application July 17, 1943, Serial No. 495,197. Divided and this application December 31, 1943, Serial No. 516,476
16 Claims. (Cl. 244—123)



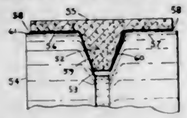
1. In a rotor blade, a skin for said blade consisting of a plurality of laminations, and means for rigidly supporting said skin, said supporting means including a plurality of cell members extending longitudinally of the axis of said blade, one of said cell members being located substantially centrally of said blade, means for mounting said rotor blade comprising means non-rotatably fixed with relation to said cell member, said means being connected to the interior of said cell member and being co-extensive therewith, said other cell members being located on said opposite sides of said centrally located cell member with at least one of said other cell members rigidly connected at one side of said centrally located cell member.

2,410,610
LUBRICANT
Armand D. Pickett, Oklahoma City, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 12, 1944, Serial No. 549,294
6 Claims. (Cl. 252—37)

1. A lubricant consisting of a mixture of aluminum soap and lead soap in the ratio of the order of three to one by weight.

2. A lubricant consisting of a mixture of aluminum soap and lead soap in the proportion weight ratio of about three to one dissolved in sufficient solvent therefor to permit grease gun use, said lubricant being substantially insoluble in acids and petroleum hydrocarbons.

2,410,611
FEEDING APPARATUS
Verneur E. Pratt and George F. Gray, Norwalk, Conn.
Application May 15, 1945, Serial No. 593,892
8 Claims. (Cl. 271—45)



1. A feeder for microfilm apparatus including a belt having an outer surface adapted to support material to be fed, means for conjointly supporting and moving said belt, said belt having a portion below the surface thereof substantially narrower than and extending lengthwise of the belt and engaging said means whereby weaving or lateral motion of said belt is prevented and said belt is thereby adapted to carry material

placed thereon in a straight path parallel to the direction of movement of said belt and whereby material on said belt may be subjected to a photographic process while carried thereby free from contact with said supporting means.

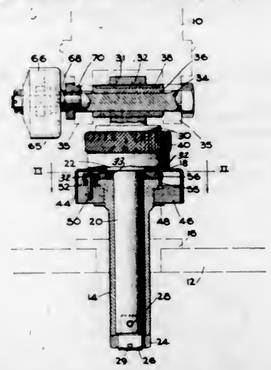
2,410,612
CEMENTING COMPOUND
Nordahl L. Rude, Eau Claire, Wis.
No Drawing. Application February 8, 1944, Serial No. 521,581
2 Claims. (Cl. 106—253)

2. A gun grade caulking and glazing cement, consisting of asbestos fiber in the form of an aqueous paste, 1 pound; raw linseed oil, 2 quarts; pine tar, 1½ ounces; fine soft hair, ¼ ounce; and calcium oxide in sufficient amount, less than 5 pounds, to give desired gun extruding consistency.

2,410,613
FLUSHING OIL
Robert F. Ruthruff, Chicago, Ill.
No Drawing. Application November 9, 1942, Serial No. 465,089
4 Claims. (Cl. 252—162)

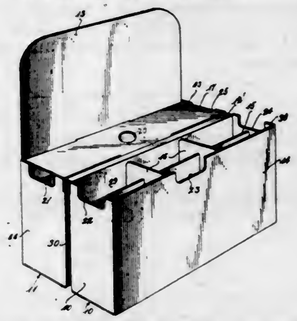
2. A flushing oil for cleaning the crankcases of internal combustion engines comprising, a fraction from the products of the catalytic reforming of heavy naphtha, said fraction boiling in the approximate range 400° F. to 535° F. and exhibiting a kauri-butanol value in excess of 100, in admixture with a mineral lubricating oil.

2,410,614
GUN MOUNT
John C. Trotter, Burlington, Vt., assignor to Bell Aircraft Corporation
Application June 28, 1944, Serial No. 542,499
3 Claims. (Cl. 89—37.5)



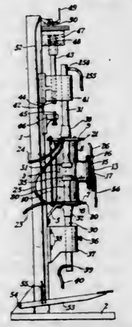
1. A gun support comprising in combination, bolt means formed to be connected to a gun for support thereof, a sleeve rotatably mounted upon said bolt means and formed with external screw threads for screw threaded engagement upon a positionally fixed frame, means for retaining said bolt means and said sleeve against axial displacements relative to each other, a ring rotatably mounted upon said sleeve, differentially sized gear means carried upon said sleeve and said bolt means respectively, and a pair of differentially sized pinions rigidly interconnected and carried by said ring in positionally fixed relation thereon, said pinions meshing with the bolt means and sleeve gear means respectively.

2,410,615
CONTAINER AND DISPLAY BOX
William Tucker Wayne, Atlanta, Ga., assignor to Scripto Manufacturing Company, Atlanta, Ga., a corporation of Georgia
Application May 18, 1943, Serial No. 487,510
1 Claim. (Cl. 206—44)



In a storage and display box: a pair of rectangular boxes of greater depth than width; one of the maximum area sides of one box formed integral with and hinged to the edge of the adjacent like side of the remaining box whereby, in display position, the two boxes stand side by side with the then upper edges of the two boxes exposed for access to the depth of each; the upper edge of one maximum area outer side of one box terminating flush with the plane common to the upper edges of the ends of the boxes and to the hinged edges of the boxes; the remaining maximum area outer side of the remaining box extending upwardly beyond said common plane in rigid unbroken formation, a distance substantially equal to said first named outer side; whereby when said boxes are moved about said hinge to a position with their open edges juxtaposed said upward extension of said second named outer side will overlie and contact said flush terminating maximum area side whereby the upward extension and the underlying box may be grasped together to prevent movement about said hinge.

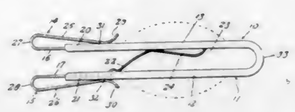
2,410,616
APPARATUS FOR MOLDING LENSES
Julian H. Webb, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 4, 1943, Serial No. 501,226
8 Claims. (Cl. 49—35)



1. In a glass molding machine, the combination with a base, of cooperating molds mounted

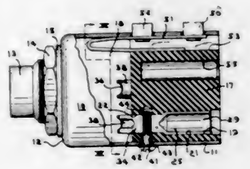
thereon, at least one mold being movable to and from a position in which the molds define the shape of material to be molded, a chamber enclosing the molds and having an opening therein through which the material to be molded may be passed to and from the molds, and pipes leading to the chamber through which an inert gas may pass into the chamber, and a gas jet positioned to form, when ignited, a flame curtain over the opening in the chamber to prevent the entrance of air thereinto.

2,410,617
HAIR CURLER
Sebastian Wirsing and Rosa Wirsing, Long Island City, N. Y.
Application February 13, 1945, Serial No. 577,618
3 Claims. (Cl. 132—33)



2. A curler having arms with tubular ends, a spring clip having a straight arm projecting into one of the tubes and having an arm outwardly of the tubular end and bearing there-against at one point, a spring intermediate the curler arms and fixed to one thereof and bearing movably against the other, and a similar arranged clip carried by the other curler arm.

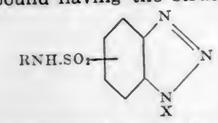
2,410,618
ELECTRICAL DEVICE
Victor I. Zelov, Rosemont, Pa.
Application October 6, 1942, Serial No. 460,943
6 Claims. (Cl. 173—328)



1. In an article of the character described, a tubular metallic casing; an insulator block within the casing and having a plurality of openings extending axially therethrough and spaced equidistant radially from the longitudinal axis thereof, said openings being of generally rectangular cross-section throughout a portion of their length and said rectangular cross-sections having major and minor axes, one of said openings having its rectangular portion disposed with its major axis extending radially of the insulator block and the remaining openings having their rectangular portions disposed with their minor axes extending radially of the block; metallic contact elements in said openings and including rectangular portions in the rectangular portions of the openings; and a metallic member providing an electrical connection between the rectangular portion of the contact element in said one opening and the metallic casing, whereby an electrical ground is provided between said casing and the nearest of said contact elements.

2,410,619
SULFAMYL BENZOTRIAZOLES
Charles F. H. Allen, Rochester, N. Y., and Alan Bell, Knoxville, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 20, 1944, Serial No. 531,980
3 Claims. (Cl. 260—308)

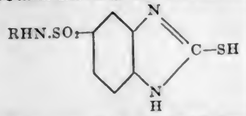
1. A compound having the structural formula



in which R represents a member selected from the class consisting of H, hydrocarbon groups, and hydroxy-substituted hydrocarbon groups, and X represents a member selected from the group consisting of H and OH.

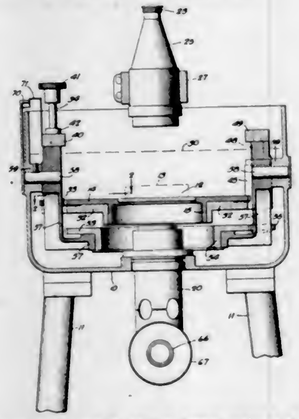
2,410,620
SULFONAMIDOBENZIMIDAZOLES
Charles F. H. Allen, Rochester, N. Y., and Alan Bell, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 20, 1944, Serial No. 531,981
3 Claims. (Cl. 260—309)

3. A compound having the structural formula:



in which R is a member selected from the class consisting of H, hydrocarbon, and substituted hydrocarbon groups, the substituent in the hydrocarbon group being selected from the class consisting of hydroxyl, acetamido, and amino groups.

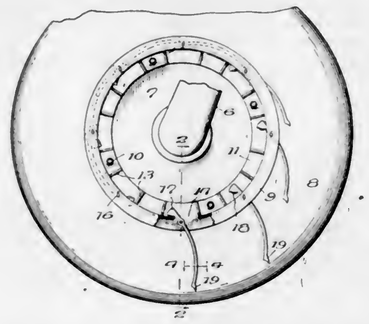
2,410,621
OPTICAL QUARTZ CRYSTAL TESTING APPARATUS
Bethel J. Babbitt, Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 7, 1942, Serial No. 464,847
10 Claims. (Cl. 88—14)



1. In an optical testing apparatus, a tank for receiving a liquid having an index of refraction

similar to that of the article to be tested, an optical system for passing a beam of light vertically through said tank and having a predetermined focal point within said tank, a cradle in said tank mounted for tilting movement, a table for supporting an article to be tested in the beam of light, said table being mounted in said cradle for rotation in its own plane, means for rotating said table relative to said cradle in the plane of the table, a plurality of threaded members mounted on said cradle, means threadedly engaging said threaded members and movable up and down thereby for rotatably supporting said table, and means for simultaneously rotating the threaded members equal amounts for raising and lowering said supporting means and said table along said beam of light relative to said tank to bring the focal point of the beam of light within the article under test.

2,410,622
AIRPLANE WHEEL ATTACHMENT
Adolph Backstrom, Hempstead, N. Y.
Application April 16, 1942, Serial No. 439,255
2 Claims. (Cl. 244—103)

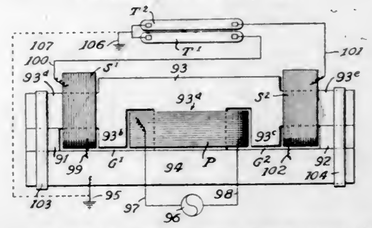


1. In combination with an airplane equipped with wheeled landing gear, a ring detachably engaged with each wheel, each ring being provided with a peripheral channel, the base of the channel being open at intervals, vanes pivotally mounted on the ring, one end of each of which extends through one of the openings in the channel base, the terminal of each vane being enlarged, said vanes being movable consecutively into operation with each cycle of rotation of the wheel.

2,410,623
RUBBER TACKIFIER
Seaver A. Ballard and John A. Perona, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 14, 1943, Serial No. 490,947
6 Claims. (Cl. 260—42)

1. A tacky composition of matter comprising 100 parts by weight of a rubber-like polymer of a diene hydrocarbon having admixed therewith 2 to 50 parts by weight of a resinous product obtained by condensing a single aldehyde in the presence of a condensation catalyst with a crotonaldehyde-type of auto-condensation product of a lower aliphatic ketone of 3 to 6 carbon atoms, which auto-condensation product contains at least 12 carbon atoms.

2,410,624
TRANSFORMER APPARATUS
Charles Philippe Boucher, Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation, a corporation of New Jersey
Original application April 10, 1940, Serial No. 328,970. Divided and this application February 7, 1941, Serial No. 377,922
1 Claim. (Cl. 171—119)



In electrical transformer apparatus of the character described, in combination, two substantially parallel linear core members, one of said linear members having intermediate its ends a central extension joining said other linear member and two shunt arms one on either side of said central extension, extending toward but not abutting said other linear member and forming therewith magnetic shunt paths including air-gaps of high reluctance; two end core members connecting said linear core members exteriorly of said shunt arms, the connected members forming two closed magnetic circuits with said central extension; a primary winding mounted on said central extension; and two secondary coils mounted on said linear core member having a central extension, each secondary coil lying between one of said shunt arms and one of said end core members.

2,410,625
LANDING GEAR FOR AIRCRAFT
Bernard D. Branner, Waterford, Conn.
Application July 19, 1944, Serial No. 545,654
3 Claims. (Cl. 244—103)

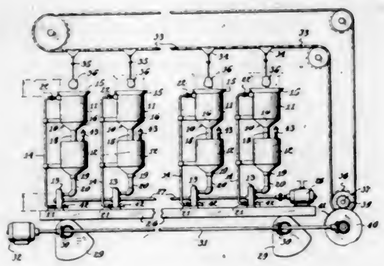


1. In a landing gear for aeroplanes including landing wheels, that improvement which comprises a plurality of vanes projecting outwardly from said wheels at spaced intervals circumferentially thereof, each vane being curved in the direction of its length and tapering longitudinally inwardly toward the associated wheel and having its forward end portion provided with an upturned outer edge section to constitute a scoop whereby said wheels are rotated on their axes by wind pressure developed in the landing of the plane to cause said wheels to rotatively engage the landing surface as said aeroplane reaches the same.

2,410,626
MEANS AND METHOD OF TREATING SURFACES
Joseph M. Boudreau, New York, N. Y.
Application February 16, 1942, Serial No. 431,131
7 Claims. (Cl. 117—105)

2. An apparatus for metalizing surfaces comprising an elevating platform, a plurality of units

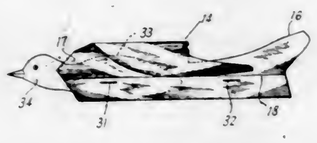
on said platform, means for suspending work over each of said units and periodically advance the work from one position over one unit to a successive position over another unit, means to



elevate the platform and units and thereby introduce the several pieces of work in the several units, and means for spraying the work while situated in said units.

6. A method of metalizing surfaces consisting in continuously circulating different spraying fluids, intermittently and successively subjecting the surfaces to the continuous sprays of said fluids, and continuously adding concentrate to the spray fluid as said fluid circulates, and re-using the fluid.

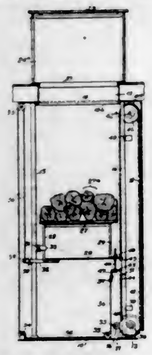
2,410,627
TOY
Arthur Brand, New York, N. Y.
Application April 22, 1944, Serial No. 532,316
3 Claims. (Cl. 46—74)



1. A toy of the character described comprising a member made of sheet material having folded together portions, a second member between said folded together portions and attached thereto, said first member having wing portions and a tail portion, said second member extending above the folded together portions and having a portion extending forwardly of said first member, said wing portions having a plurality of parallel crease lines and comprising downwardly and outwardly inclined sections.

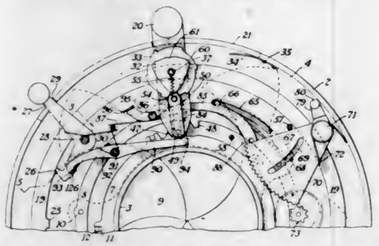
2,410,628
FIREPLACE WOOD ELEVATOR
Louis P. Brunette, Farmington, Conn.
Application July 9, 1945, Serial No. 603,959
4 Claims. (Cl. 187—3)

1. In an elevator apparatus, a supporting frame including a plurality of vertical pillars, a horizontal elevator platform mounted to move up and down within said frame, a reversible motor, a sprocket driven by said motor, a sprocket chain operated by said sprocket and connected at both ends to one side of said platform, and means to guide the front of said platform comprising two sets of concave rollers mounted in bearings rigidly secured to said platform and engaging the



front and rear of the pillars located at the other side of said platform.

2,410,629
SHUTTER DRIVE AND TIMING MECHANISM
Clarence W. Carroll, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 8, 1945, Serial No. 609,663
18 Claims. (Cl. 95—63)

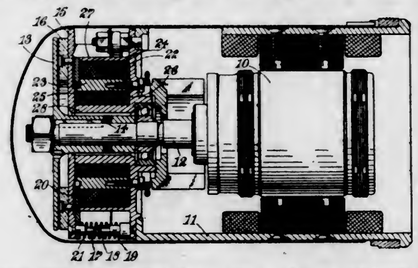


1. A photographic shutter having a casing, an exposure aperture, a pair of coupled blade-operating rings, symmetrical shutter blades pivotally connected with said rings, a spring-driven master member carrying a driver and means for automatically positioning said driver on the master member during a setting movement of the latter, a part on each ring so arranged that one ring may be engaged by the driver and moved thereby in one direction to produce an exposure when the master member is released, and the other ring may be engaged and moved by said driver in the same direction to produce a succeeding exposure, a timing mechanism adapted to be wound during the setting movement of the master member, a cam adapted to control the winding of the timing member, and detents positioned by said cam and each adapted to intercept one blade ring when the shutter blades are open.

2,410,630
BRAKE FOR ELECTRIC MOTORS
John Alfred Chilman, Gloucester, England, assignor to Rotol Limited, a British company
Application May 13, 1943, Serial No. 486,901
In Great Britain April 24, 1942
4 Claims. (Cl. 188—172)

1. Control means for an electric motor comprising a rotary brake-disc driven by the motor, a co-operating non-rotary brake-member, an electromagnet having an armature that is spring-

pressed normally to apply the brake-member to the disc, but which when energised disengages it, a second electromagnet having an armature



spring-pressed towards the first armature to cause it to apply the brake, but which when energised disengages its armature from the first armature, and means for selectively or jointly energising said electromagnets.

2,410,631
CONTROL MECHANISM
Roland Chilton, Ridgewood, and Donald G. MacCulloch, Hawthorne, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application March 22, 1943, Serial No. 480,118
2 Claims. (Cl. 74—97)

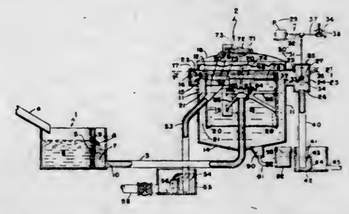
1. In combination, first and second coaxial control members rotatably and axially movable relative to each other, resilient means biasing said control members to a normal relative position, relative rotation of the first of said control members being operative to cause a relative axial displacement of said members and to urge said second member in the same rotative direction to restore the normal relative position of said first and second members, and means to impart a predetermined rotative movement to said first control member, said means comprising a pair of movable members urged toward each other by said resilient means, each of said pair of members having a cam with outwardly converging sides projecting therefrom toward the other of said pair of members, the sides of said cams being engageable and said resilient means being operative through said engaging cam sides to urge said members in opposite directions, one of said pair of members being connected to said first control member.

2,410,632
INFLATABLE SUIT
Russell S. Colley, Kent, Carroll P. Krupp, Akron, and Donald H. Shook, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 3, 1943, Serial No. 497,182
13 Claims. (Cl. 2—2.1)

1. An inflatable suit including a torso portion and a limb portion for incasing a body and providing free flexible movement of the limb, said portions comprising a torso covering of flexible wall material and a limb covering of flexible wall material including a flexible joint intermediate the length of said limb covering and interconnecting adjacent parts of the latter covering to provide for forward and rearward bending thereof, said flexible joint comprising a tubular structure comprising flexible material having substantial fullness at spaced-apart positions along said structure in opposite front and back portions in the direction of forward and rearward swinging movement to provide a series of outward bulges in said opposite front and back portions and having sidewall portions extending longitudinally along side regions of said tubular structure coextensive with the front and back bulged portions and between and interconnecting such bulged portions and being of lesser fullness as compared to said bulged portions to promote swinging movement of said adjacent parts of said limb covering in said direction by flexure of said series of bulged portions over a substantial extent of said limb covering while lateral compactness of the joint is maintained under inflation of the suit and joint and means restraining longitudinal separating movement of said adjacent parts of the limb covering and restraining outward bulging of said sidewall portions.



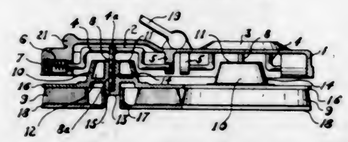
2,410,633
TREATING RUBBER SUSPENSIONS
Theodore B. Counselman, Evanston, Ill., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application November 4, 1943, Serial No. 508,920
11 Claims. (Cl. 260—86.5)



1. In a butadiene styrene co-polymer process for the manufacture of artificial rubber and the recovering of fine co-polymer particles from the briny suspensions thereof wherein there are gases liberatable from such suspensions when the latter are exposed to subsequent sub-atmospheric pressure conditions; the method comprising es-

tablishing an ever-changing body provided by such suspension and maintaining the surface level thereof up to an operative elevation; exposing a surface portion of such body to a gaseous medium liberated from, directly overlying and engaging the surface portion of such ever-changing body; maintaining such medium at pressures substantially sub-atmospheric by applying suction thereto; continually feeding such suspension from a locality outside of said ever-changing body and delivering the same to the body proximate the surface thereof and whereat the thus-delivered suspension comes under the direct influence of the overlying gaseous medium thereby furthering a liberating of certain quantities of said gases and furthering the floating of fine polymer suspended particles to said exposed surface portion of said body; continually collecting floating polymer particles and removing them from said body from the region whereat they are exposed to said overlying gaseous medium to a locality outside of said region; and continually removing liquid fraction from a lower portion of said ever-changing body to a locality outside of said body.

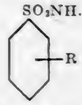
2,410,634
MANUAL FLOOR WAXER AND POLISHER
Alpoim Corrêa, Rio de Janeiro, Brazil
Application June 23, 1944, Serial No. 541,832
In Brazil December 20, 1943
3 Claims. (Cl. 15—27)



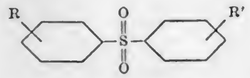
1. A manual floor waxer and polisher including two or more circular brushes, a frame with relation to which the said brushes operate, said frame having circular recesses on its face formed by salient portions on its upper side, a double-arm cross head fitted in each recess and each having a vertical axis, one of the cross arms being shorter than the other, the longer cross arm having its ends journalled in the frame at opposite sides of the recess, means for yieldingly holding the cross arm and its vertical axis tilted, the said shorter cross arm serving to engage the top wall of the recess for limiting the tilting action, and means by which the brush is rotatably mounted on the vertical axis.

2,410,635
HEAT STABLE COMPOSITIONS
John Kenneth Craver, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 3, 1945, Serial No. 580,935
11 Claims. (Cl. 106—316)

1. A heat-stabilized composition comprising at least one aryl sulfonamide of the formula type

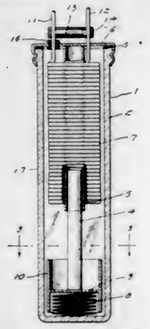


in which R is a radical selected from the group consisting of hydrogen and methyl, and R' is a radical selected from the group consisting of hydrogen, alkyl radicals having from 1 to 8 carbon atoms and cycloalkyl radicals having from 3 to 6 carbon atoms; and from 1 to 15%, by weight of the composition, of at least one aryl sulfone of the formula type



in which R and R' are radicals selected from the group consisting of hydrogen and methyl.

2,410,636
SHORT-CIRCUIT INDICATOR
William P. Cress, Lebanon, Mo.
Application June 29, 1944, Serial No. 542,784
3 Claims. (Cl. 177—329)

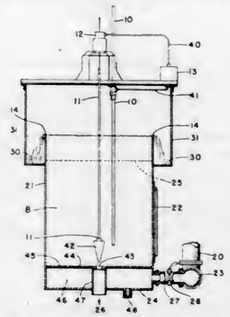


2. An electric circuit trouble indicator comprising a substantially opaque casing having a transparent end portion, a shell like indicating element normally located within the transparent portion of the casing, a circuit coil disposed longitudinally in the casing, a cap at one end of the casing provided with a tube projecting therefrom and through the coil, a magnetizable core slideable in the tube, said shell like indicator having a portion thereof in the path of the core, whereby the weight of the core will act to maintain the indicating element in a position visible through the transparent portion of the casing, said cap being removable to permit displacement of the parts, and spring means normally urging the shell like indicating element away from the transparent end of the casing.

2,410,637
HYDRAULIC SIZER FOR SUSPENDED SOLIDS
George M. Darby, Westport, Conn., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application June 23, 1944, Serial No. 541,760
5 Claims. (Cl. 209—454)

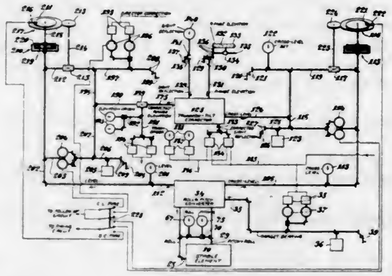
1. Apparatus for the sizing of suspended solids, comprising means for establishing and maintaining a pool of suspended solids to be classified by hindered settling, means for continually feeding solids thereto, means for continually discharging fractionated larger solids from the bottom of the pool, means for continually overflowing from the upper section of the pool another fraction of smaller solids, means forming a bottom for the pool including an upper horizontally extending flat plate of impervious material having orifices for distributively delivering controlled quantities of water upflowing therethrough under pressure and a lower immediately underlying porous tile

downwardly through the pores of which fine solids cannot pass but upwardly through which pores water can be passed for delivery through the orifices of the plate under hydraulic pressure to mobilize suspended solids in such pool, means for controlling the liquid supplied to the pool so that the ratio of the volume of liquid of the pool to the total volume of the liquid and solids content of the pool is maintained at not substantially less than .60 but which may be as great as .90, means



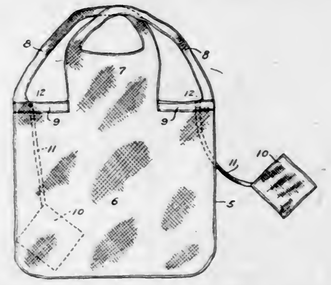
for establishing and maintaining a column of clean liquid balanced by the density of the pool to a super-elevation above the top of the pool which super-elevation varies with the density of the pool due to fluctuating feed thereto of solids, a valve-seat in the bottom of the pool, an adjustable valve controlling the rate of discharge of the solids fraction through the valve seat, and automatic means for stabilizing the density of the pool at or near a predetermined normal to ensure accurate size classification of solids therein.

2,410,638
SELECTIVE SYSTEM FOR GUNFIRE CONTROL
Arthur P. Davis, New York, and James K. Macomber, Rockville Centre, N. Y., assignors to Arma Corporation, a corporation of New York
Application April 27, 1937, Serial No. 139,146
20 Claims. (Cl. 89—41)



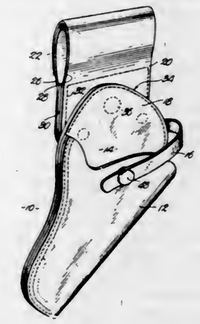
4. In a system for controlling ship gun fire, the combination of stable means for determining the angle of unstable movement of the ship, means actuated in accordance with target bearing, mechanism jointly actuated by said two means for converting said angle into cross-level angle, means actuated by said mechanism for determining "trunnion-tilt" displacement of the ship from the horizontal about the line of sight to the target, means actuated in accordance with range elevation, operative connections between said trunnion-tilt means and said range elevation means for modifying the output of the latter, means for modifying the output of said range elevation means in accordance with a predetermined angular correction, and means actuated by the output of said range elevation means for indicating corrected elevation.

2,410,639
APRON
Frances Dorcey, Milwaukee, Wis.
Application November 6, 1944, Serial No. 562,073
2 Claims. (Cl. 2—48)



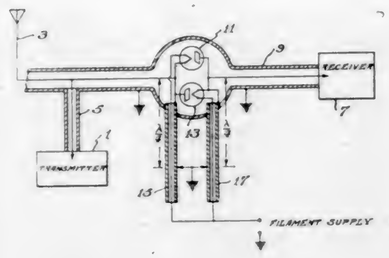
1. In an apron assemblage, an apron having a reenforced waist band, a pair of flexible straps suspended from the opposite ends of said band rearwardly of the apron, and a pad suspended from the free end of each strap, said pads when not in use together with their suspension straps being concealed beneath the apron.

2,410,640
HOLSTER
Byron Engle, Kansas City, Mo.
Application March 29, 1945, Serial No. 585,423
4 Claims. (Cl. 224—3)



1. A holster for pistols of the like comprising a hollow, open top body having an outer wall and an inner wall, having a portion extending beyond one end of the outer wall; a belt-engaging support for the body in overlapping relation with the said extended portion of the inner wall; means for pivotally interconnecting the support and said extended portion of the inner wall; and parts on the support and on the inner wall respectively, for holding the body against movement about the pivotal means, said parts being manually secured in the holding position upon pressing together the inner wall and the support when the body is disposed in a certain position with respect to the support.

2,410,641
DUPLEX RADIO SYSTEM
John Evans, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 3, 1941, Serial No. 413,423
7 Claims. (Cl. 250—9)

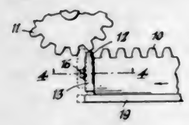


1. A duplex radio system including in combination a load circuit, a transmitter, a receiver having an input circuit, a transmission line connecting said load circuit to said transmitter, a second transmission line connecting said load circuit to said receiver input circuit, and a limiter-rectifier connected serially in one side of said transmission line connecting said receiver input circuit and said load circuit to limit the energy transferred from said transmitter through said transmission line to said receiver.

2,410,642
PROCESS FOR OXIDATION
Adalbert Farkas and Arthur F. Stribley, Jr., Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 16, 1943, Serial No. 498.775
13 Claims. (Cl. 260—593)

1. A process for the treatment of a saturated cyclic hydrocarbon to produce substantially only those partial oxidation products containing the same number of carbon atoms per molecule as said saturated cyclic hydrocarbon and containing one atom of oxygen per molecule, comprising contacting said saturated cyclic hydrocarbon in the liquid phase in an oxidation vessel with a gas containing free oxygen at temperatures between about 200° F. and about 350° F. and at pressures between about 50 pounds and about 300 pounds per square inch gage until between about 0.1% and about 10% of the molecules are oxidized, thereafter maintaining said proportion of oxidized molecules by withdrawing partially oxidized liquid from said oxidation vessel, passing said partially oxidized liquid to a fractionating column wherein unoxidized hydrocarbon is vaporized and distilled, withdrawing unvaporized partial oxidation products containing one atom of oxygen per molecule from the bottom of said fractionating column, condensing said vaporized unoxidized hydrocarbon and returning the condensed vaporized unoxidized hydrocarbon together with additional quantities of saturated cyclic hydrocarbon to said oxidation vessel, passing exhaust gases and vapors from said oxidation vessel through a condenser and into a separator from which uncondensed gases are exhausted and returning condensed hydrocarbon from said separator to said oxidation vessel.

2,410,643
RACK AND PINION MECHANISM
Charles Stuart Fielding, Buffalo, N. Y.
Application October 17, 1944, Serial No. 559,053
3 Claims. (Cl. 74—422)



1. In a rack and pinion assembly of the character described, the rack having a groove in the end thereof disposed at substantially right angles to its pitch line, a displaceable tooth-bearing plate in facial contact with the end of said rack and in the same spaced relation to the adjoining rack-tooth as are the other teeth thereof and having a guide lug thereon engaging said rack-groove, and a spring acting on said displaceable tooth for normally urging it to its pitch line position.

2,410,644
DEVELOPMENT OF PHOTOGRAPHIC EMULSIONS
Scheuring S. Fierke and Cyril J. Staud, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 2, 1943, Serial No. 500,923
8 Claims. (Cl. 95—88)

1. The method of developing an exposed silver halide layer containing a photographic developing agent and an excess of an organic nitrogen compound capable of generating a volatile amine upon application of steam, which comprises subjecting said exposed layer to the action of steam.

2,410,645
GASOLINE-RESISTANT WOOD FILLER
Thomas M. Finley, Caledonia, Mo.
No Drawing. Application April 19, 1943, Serial No. 483,703
10 Claims. (Cl. 117—87)

1. A composition for treating wooden containers for rendering the walls thereof impervious to gasoline and other liquids, consisting of and substantially in the proportion of 8 pounds animal fat, 24 ounces concentrated lye, 1 pint glycerine, and 4 ounces gasoline.

2,410,646
WHEELED TOY
Alfred Finn, Leaside, and Louis Rostoker, Toronto, Ontario, Canada
Application July 13, 1945, Serial No. 604,868
2 Claims. (Cl. 46—104)

1. A toy comprising a body simulating a bird, wheel means for supporting the body, a crankshaft including a crank adapted to be rotated by the rotation of the wheels, wings horizontally hinged to opposite sides of the body, means to raise and lower the wings comprising a link pivotally connected to the wheels, a jaw hinged to the body, means for opening and closing the jaw, comprising a link pivotally connected to said wheels, and sound producing mechanism comprising a vibratory plate attached to the body and a disc mounted so as to rotate with the crankshaft and having projections extending outwardly from its peripheral surface, said projections being spaced apart along less than half the circumference of the disc and being arranged in series, the spaces between the series being considerably longer than the spaces between the projections within each series, said projections being adapted to impinge in succession on the

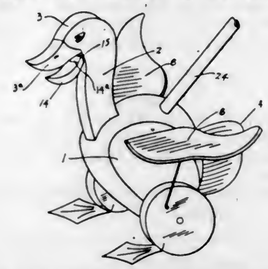
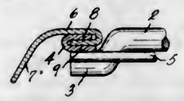


plate so as to produce intermittent sounds, the rotation of the wheels being adapted to simultaneously flap said wings, open and close the jaw, and operate the sound producing mechanism to produce intermittent sounds only when the jaw is open.

2,410,647
PRODUCTION OF ALLYL CHLORIDE
Walter Flemming and Gerhard Stein, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 6, 1938, Serial No. 217,779. In Germany July 29, 1937
4 Claims. (Cl. 260—654)

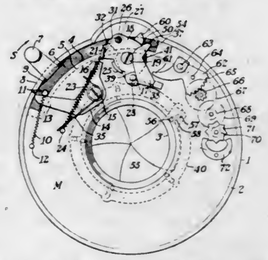
1. The process of producing allyl chloride which comprises causing a mixture of one molecular proportion of chlorine to react in the gas phase with at least two molecular proportions of a compound selected from the group consisting of propane and propyl chloride at a temperature between about 500° and about 700° C., while passing the gas mixture through a reaction space charged with a metal selected from the class consisting of chromium-nickel alloys and chromium-nickel-iron alloys which are stable to the action of hydrogen chloride, said metal being arranged within the reaction space so as to present a large surface area to the gas mixture, and separating allyl chloride from the reaction gases formed.

2,410,648
SHELF OR RACK FOR REFRIGERATORS, OVENS, AND THE LIKE
William Friegel, Detroit, Mich., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich., a corporation of Michigan
Application August 4, 1945, Serial No. 608,916
6 Claims. (Cl. 211—153)



3. In a shelf or rack, the combination of a border frame comprising side members, a front frame member of channel shape in cross section and having a lower arm and a rearwardly facing channel and having its lower arm welded to the front ends of said side members, grid members welded to the lower arm of said front frame member, and a front trim member having a depending portion concealing said front frame member and a forwardly projecting concealed flange at its rear edge engaged in the channel of said front frame member, the lower arm of said front frame member being upset at a plurality of longitudinally spaced points into indenting engagement with the flange of said front trim member.

2,410,649
SETTING SHUTTER DRIVE
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 1, 1945, Serial No. 614,041
6 Claims. (Cl. 95—63)



1. A shutter of the setting type comprising, in combination, a casing having an exposure aperture and an outer rim, an operating lever operably mounted to move through a fixed path on the shutter casing, a master member having a latch element and flange thereon and pivotally mounted at one end of the path of movement of the operating lever, a pivoted latch for the master member including an arm extending across the path of movement of the operating lever at the opposite end from the master member, a handle outside the shutter and connected to the operating lever for moving the lever in two directions and through its path of movement to engage and operate the latch arm at one end of its path of movement for releasing the master member latch, and to engage and move the master member by its flange to a set position determined by the latch element engaging the pivoted latch when moved to its other end of its path of movement, said master member also carrying an opening pin toward the periphery of the shutter and a closing pin toward the aperture of the shutter, a blade ring, an arm thereon extending in a generally radial direction and positioned to be engaged by the opening and closing pins, each pin having an arcuate path of movement about the master member pivot, the movement of the master member in one direction causing the opening pin to move and slip off the blade ring arm, further movement of the master member moving the blade ring arm in an opposite direction by the closing pin, pivotally mounted shutter blades operably connected to the blade ring carrying the arm to be operable thereby to open and close the exposure aperture.

2,410,650
LUBRICANT COMPOSITION
John J. Giammaria, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application March 30, 1944, Serial No. 528,783
9 Claims. (Cl. 252—33.6)

2. A lubricant composition comprising a major proportion of a viscous hydrocarbon oil and an

oil-miscible metal salt of a wax-phenyl-substituted thio acid of phosporus in an amount sufficient to exert detergent and anti-corrosive properties in the oil under heavy duty service, said wax group containing at least twenty carbon atoms.

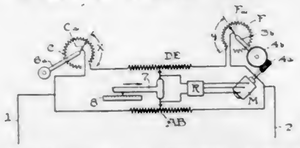
2,410,651

ELECTRIC CONTROL SYSTEM

Paul Glass, Chicago, Ill., assignor to Askania Regulator Company, a corporation of Illinois

Application February 17, 1943, Serial No. 476,222

7 Claims. (Cl. 172—239)



1. An electric control system comprising a Wheatstone bridge having two parallel paths connected to a supply circuit and a null circuit bridged across said paths, control means for varying the electrical condition of one arm of said bridge to unbalance the same, a receiver for varying the electrical condition of another arm of said bridge on the opposite side of said null circuit from said first arm, means included in said null circuit and being responsive to the current therein for controlling said receiver to rebalance said bridge, and second control means for simultaneously varying in the same direction the electrical conditions of two arms in separate paths of said bridge.

2,410,652

COMPOUNDED LUBRICATING OIL

John R. Griffin, Jr., Kansas City, Kans., and Paul R. Van Ess, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 1, 1945, Serial No. 591,404

15 Claims. (Cl. 252—33.4)

1. A low ash content lubricating oil for high temperature internal combustion engines containing an oil miscible metal salt of the condensation product of an aldehyde and an aromatic hydroxy compound in amount sufficient to give high temperature detergent action, but not exceeding about 0.25%, based on sulfate ash, and an oxidation-inhibiting quantity of an oil-soluble, relatively stable aromatic amine anti-oxidant.

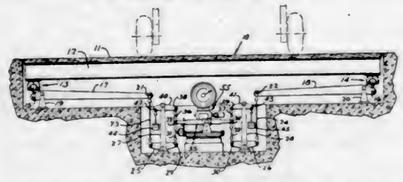
2,410,653

WEIGHING SCALE

Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application March 25, 1944, Serial No. 528,082

8 Claims. (Cl. 73—65)



1. In a device of the class described, in combination, a load receiving platform, a separate lever system for supporting each end of said platform, a floating lever connecting said lever systems, a fulcrum for said floating lever mounted on and movable along a base parallel to said floating lever, a counterbalance for each of said lever systems for relieving said fulcrum of all forces exclusive of the force produced by a load on said platform, and means for moving said fulcrum to keep said floating lever in equilibrium.

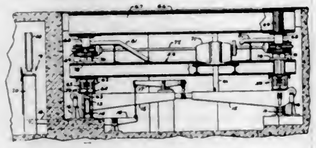
2,410,654

AIRPLANE WEIGHING APPARATUS

Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application March 25, 1944, Serial No. 528,083

2 Claims. (Cl. 73—65)



1. In a device for determining the distribution of weight of an object supported jointly on a plurality of scales, in combination, a platform, a frame supported on a scale lever system, a plurality of screws supporting said platform from said frame, and means for rotating said screws synchronously.

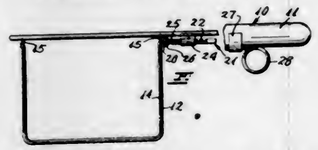
2,410,655

SAFETY PIEPAN LIFTER

Homer Henrichon, New York, N. Y.

Application April 24, 1945, Serial No. 590,066

4 Claims. (Cl. 294—30)



1. A safety pie pan lifter, comprising a rod having a handle at one end, a stationary U-shaped frame fixedly attached by the ends of its arms to the other end of said rod, a movable U-shaped frame pivotally mounted by the ends of its arms to the ends of the arms of said stationary frame, and means for locking said movable frame in various pivoted positions in relation to said stationary frame, including a rod slidably and non-rotatively mounted along said first named rod, opposed clutch discs on said rod and on one of the ends of said movable U-shaped frame, and resilient means urging said clutch discs together.

2,410,656

TUNED ULTRA HIGH FREQUENCY TRANSFORMER

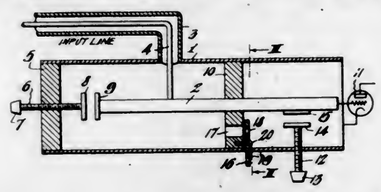
Edward W. Herold, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 24, 1943, Serial No. 492,149

7 Claims. (Cl. 178—44)

1. A tuned high-frequency circuit comprising a coaxial-line section having an inner and an outer conductor, apertured conductive means joining said conductors intermediate the ends thereof so as to form separately resonant portions, at least

one aperture in said conductive means being disposed intermediate said inner and outer conductors whereby said resonant portions are elec-



trically coupled through said aperture and separate capacitive means interposed between said conductors for separately tuning each of said portions.

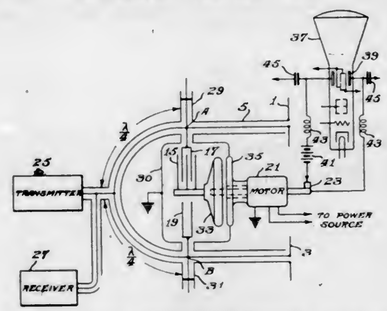
2,410,657

ANTENNA SWITCHING SYSTEM

William D. Hershberger, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 25, 1941, Serial No. 412,291

3 Claims. (Cl. 250—11)



1. An antenna switching system including in combination a pair of antennas, a transmission line connecting said antennas, a radio device, means connecting said radio device to an electrically symmetrical point on said line, a pair of differential reactors connected respectively between ground and points spaced an odd number of quarter wave lengths from said symmetrical point and including a common rotatable member, means for increasing first one then the other reactance of said reactors at the operating frequency of said device and supplemental fixed capacitive means rotatable with said common rotatable member for minimizing the impedance between said common rotatable member and ground.

2,410,658

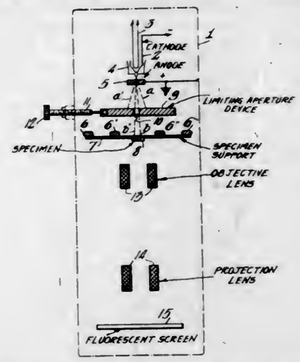
LIMITING APERTURE FOR ELECTRON IMAGE DEVICES

James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 16, 1943, Serial No. 495,024

9 Claims. (Cl. 250—49.5)

4. An electron microscope including an electron source, a specimen, a specimen support, means including a metallic diaphragm having a minute aperture therein interposed between said source and said specimen and in close proximity to said specimen support for electronically irradiating said specimen through said aperture and for screening the balance of said specimen support, means for forming an electronic image of the irradiated portion of said specimen, and electron



lens means for providing an enlarged image of the irradiated portion of said specimen.

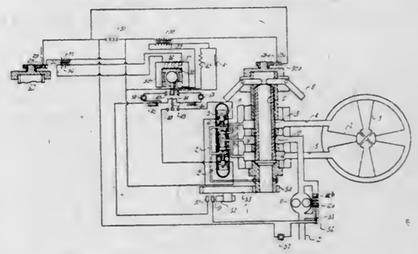
2,410,659

BLADE PHASE AND CONSTANT SPEED SYNCHRONIZER FOR MULTIPLE MOTOR AIRCRAFT

Walter S. Hoover, West Hartford, Conn.

Application March 12, 1943, Serial No. 478,879

14 Claims. (Cl. 170—135.6)



1. In a system of control for synchronizing the speed of propeller engines with the speed of a selected speed prime mover, constant speed propeller mechanism including adjustable pitch propeller blades mounted on said engines, fluid motors for controlling the pitch setting of the propeller blades, governor valves controlling the application of pressure fluid to said motors, and valves for directing the application of pressure fluid to said motors independently of said governor valves, said last named valves being operative to maintain phase relation of said propeller engines with the selected speed prime mover.

2,410,660

VALVE ACTUATING MECHANISM FOR INTERNAL-COMBUSTION ENGINES

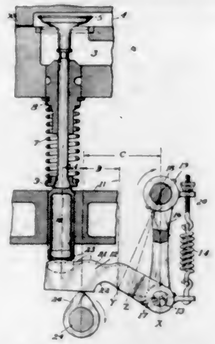
George E. Howard, Butler, Pa.

Application March 3, 1945, Serial No. 580,824

4 Claims. (Cl. 123—90)

1. The combination with an internal combustion engine which has a fuel inlet valve, a cylinder with a piston reciprocable therein, and a spring for yieldably holding the valve closed, of a device operable to periodically open the valve, a member movable to normally control the extent to which the valve will be opened by said device, an accelerator pedal for operating said member, and a stop spring for yieldably resisting move-

ment of the pedal in a direction that permits movement of the valve toward its closed position and normally yieldably maintaining the pedal at a point where idling fuel is supplied past the valve,

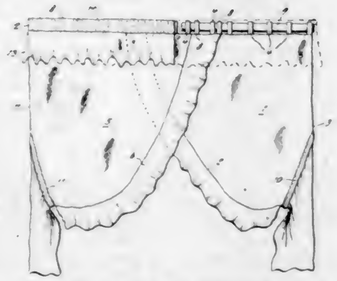


the stop spring being compressible to a degree that will permit the said member to be moved to a point at which the valve will remain closed by its spring.

2,410,661
ART OF PROCESSED NATURAL RUBBER
Walter F. Huppke, New York, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y., a corporation of New York
No Drawing. Application November 22, 1944, Serial No. 564,729
11 Claims. (Cl. 260—769)

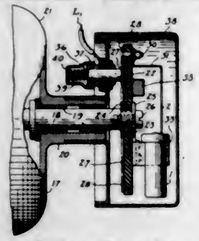
9. The process of alkylating natural rubber, which consists in making a dilute solution thereof in lower saturated liquid aliphatic hydrocarbon selected from the group consisting of isobutane and isopentane, introducing thereinto boron trifluoride in the presence of a small proportion of water and precipitated nickel catalyst at a temperature of less than 100° F. and separating the resultant alkylated product therefrom.

2,410,662
CRISSCROSS CURTAIN
George Kahn, Lawrence, N. Y.
Application May 14, 1945, Serial No. 593,716
5 Claims. (Cl. 160—123)



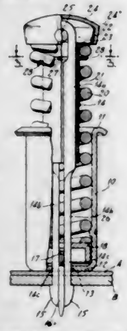
1. A curtain structure comprising a pair of curtains, each of said curtains having a plurality of spaced loops along the upper edge thereof, each curtain being adapted to cover a side of a window, a curtain ruffle adapted to be extended across said window, spaced loops on said ruffle, whereby said curtains and ruffle may be mounted on a single curtain rod in superposed positions by threading the several loops on said rod.

2,410,663
CIRCUIT INTERRUPTING DEVICE
Everard F. Kohl, Cleveland, Ohio
Application May 16, 1942, Serial No. 443,205
23 Claims. (Cl. 200—80)



1. Apparatus of the class described comprising a casing containing an electrically conductive liquid, a plunger formed of an electrical insulating material slidably mounted in said casing, a contact engaging said plunger, said contact being spaced from said casing and being in electric circuit with said liquid when the casing is at rest and said plunger being displaceable by the centrifugally developed buoyant force of said liquid to interrupt said circuit when said casing is moved at a predetermined speed about an axis of said casing.

2,410,664
SKIN CLAMP
Martin T. Lawlor, Waterbury, Conn., assignor, by mesne assignments, to Irving Rossi
Application January 20, 1944, Serial No. 518,928
15 Claims. (Cl. 85—5)

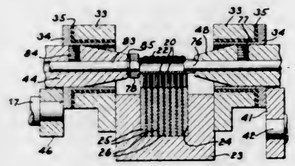


1. In a clamp device, a body having a base provided with an opening, a retainer slidable through said opening and having at least one shoulder at its outer end, a coil spring encircling said retainer and interposed between the inner end of said retainer and said body to normally retract said retainer and to cause said shoulder to engage said base, said body and retainer being provided with projections inter-engaging adjacent turns at the opposite ends of said spring, whereby to lock said spring to both said body and said retainer.

2,410,665
APPARATUS FOR ASSEMBLING ARTICLES
George D. Lea, Downers Grove, and Conrad L. Pfeiffer, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1943, Serial No. 482,870
6 Claims. (Cl. 219—12)

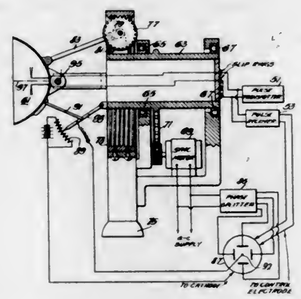
1. In an apparatus for soldering condenser plates to a metallic shaft having one end enlarged

to form a hub, a slotted frame for holding said plates, an arm pivotally mounted on said frame and having a number of slots formed therein for engaging said plates to lock said plates in said frame, electrodes associated with said frame and movable to contact the ends of said shaft, a flange of relatively high resistance material asso-



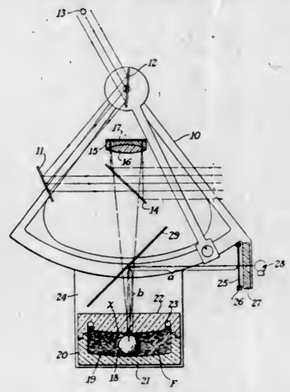
ciated with one electrode for conductively heating the enlarged end of said shaft, the other of said electrodes being made of a material having a lower electrical resistance than the shaft and adapted to engage the other end thereof, and means for supplying current to said electrodes to resistance heat said shaft.

2,410,666
ORIENTING MECHANISM FOR PULSE ECHO SYSTEMS
George W. Leck, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 14, 1941, Serial No. 398,057
3 Claims. (Cl. 250—11)



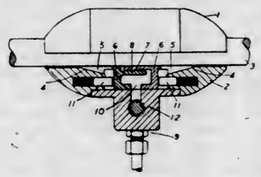
1. A pulse echo scanning device including a directive antenna for radiating a beam of pulses and for receiving reflected pulses returning substantially along said beam, means for moving said antenna so that said beam traces a spiral in a plane normal to said beam so that said beam scans a conical region, a receiver connected to said antenna and responsive to said reflected pulses, a cathode ray indicator including ray deflecting and ray varying elements, means for deriving from said antenna movements currents corresponding to said spiral, means for applying said currents to said ray deflecting elements so that said ray is synchronously moved in a spiral path corresponding to the said beam spiral, and means for applying to said ray varying element currents deriving from said receiver and corresponding to said reflected pulses to indicate the position of a pulse reflecting object.

2,410,667
ARTIFICIAL HORIZON FOR SIGHTING INSTRUMENTS
Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 18, 1944, Serial No. 531,582
17 Claims. (Cl. 88—2.3)



1. An artificial horizon for use with a movable sighting instrument including a sight axis and comprising an arcuate ball race fixed to the instrument to move therewith and disposed so that a chord of said race lies in a vertical plane which is parallel to the sight axis, a ball having a reflecting surface in rolling contact with said race and confined thereby to move in a curved path, a target fixed to said instrument to move therewith, means fixed to the instrument to move therewith for projecting an image of said target onto the uppermost portion of the surface of said ball and for directing the target image reflected from the surface of said ball along the sight axis of the instrument to the viewing point and constitute the horizon, the curvature of said ball race being such that the image of the target and the image of the object being sighted upon will move in unison across the field of view as the instrument as a whole is moved about any axis intersecting a vertical plane containing a chord of said race.

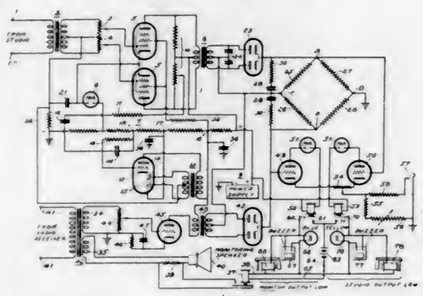
2,410,668
COTTON'S PATENT AND OTHER STRAIGHT BAR KNITTING MACHINE
John Edward Lynam, Mapperley, England, assignor to William Cotton Limited, Loughborough, England, a company
Application July 14, 1945, Serial No. 605,115
In Great Britain February 5, 1945
16 Claims. (Cl. 66—126)



1. In a knitting machine, the combination with a member movable to and fro, of a coupling comprising two relatively-movable parts one of which

is connectable to said member, a friction member for connecting said parts frictionally, and fluid-operated means for operating the friction member.

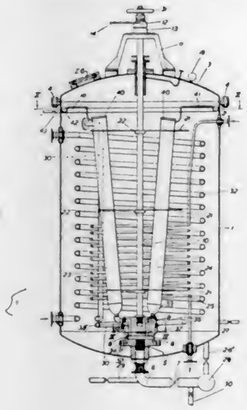
2,410,669
PROGRAM CHANGE INDICATOR
Roland A. Lynn, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 13, 1943, Serial No. 475,728
9 Claims. (Cl. 250—17)



1. A program change indicator system for use in connection with a broadcast studio output circuit and with a monitoring receiver, said system comprising separate full-wave rectifiers, one being coupled to said studio output circuit and the other being coupled to the output side of said receiver, means including a four-arm bridge circuit for comparing the instantaneous energy components delivered by said rectifiers, one arm of said bridge circuit being in series with the rectifier which delivers the studio energy component, a second arm of said bridge circuit being in series with the rectifier which delivers the monitoring receiver energy component, the third and fourth arms being each grounded at one end thereof and being connected at the other ends to the first and second arms at the respective junctions of the latter with the cathode electrodes of said rectifiers, conductive circuits interconnecting the anode electrodes of both rectifiers with the junction between the first and second bridge arms, a pair of relays each having its winding in circuit with the space path of an individual discharge tube, means for controlling said tubes in opposite senses in response to unequal potentials developed across the first and second bridge arms, and indicating means selectively actuable by said relays.

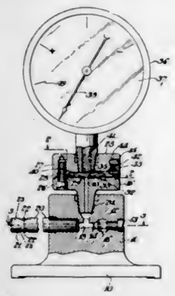
2,410,670
APPARATUS FOR USE IN THE HYDROGENATION OF OILS
Leopold Herman Manderstam and Lionel William Warner, London, England
Application March 19, 1943, Serial No. 479,810
In Great Britain March 20, 1942
9 Claims. (Cl. 23—288)

1. In an apparatus for the hydrogenation of oils, the combination with a vertical hydrogenation chamber having a bottom and a cover, of a plurality of tubes, removable containers for a catalyst, positioned one in each tube, said tubes being arranged in parallel inside said chamber and being arranged substantially parallel to the longitudinal axis of said chamber and having their upper ends spaced from said cover, said cover having a closable opening therein, said opening being positioned to permit access to said tubes for removal and replacement of the catalyst therein, means for supplying hydrogen and the oil to be treated to the lower ends of said tubes, a rotatable shaft mounted in said chamber along



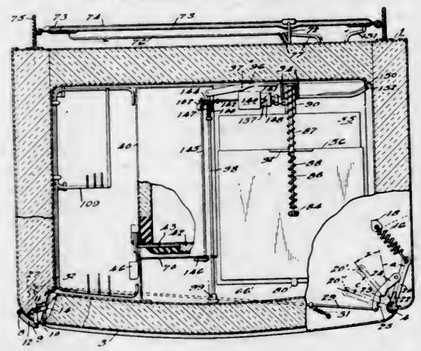
the longitudinal axis of the latter, said shaft carrying said tubes, and means for rotating said shaft, the arrangement being such that by rotating the said shaft the said tubes are brought successively into register with said closable opening.

2,410,671
PNEUMATIC COMPARATOR GAUGES
Coleman B. Moore, Carroll Park, Pa., assignor to Moore Products Co., Philadelphia, Pa., a copartnership
Application July 2, 1943, Serial No. 493,213
4 Claims. (Cl. 33—178)



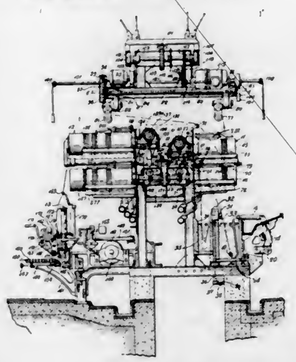
1. In a pneumatic comparator gauge, a body member having a fluid space therein, means for supplying gauging fluid thereto, means for controlling the discharge from said space in accordance with the dimensions of the work to be gauged, a fluid passageway in communication with said space, means for indicating the pressure in said fluid space, a fluid pressure responsive member interposed between said indicating means and fluid space and controlling the discharge through said fluid passageway, and a vent passageway in communication with said fluid passageway for controlling the flow of fluid into said passageway when the same is closed by said pressure responsive member.

2,410,672
REFRIGERATOR
Glenn Muffly, Springfield, Ohio
Application October 3, 1941, Serial No. 413,495
14 Claims. (Cl. 312—192)



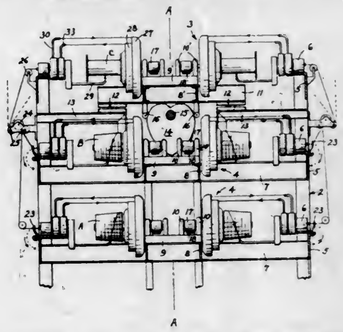
4. A cabinet, a door for said cabinet, mechanical means for swinging said door in either direction, power means for actuating said mechanical means, and manually actuated means located clear of the swing of said door for controlling the action of the first two said means.

2,410,673
PROCESS FOR THE MANUFACTURE OF SYNTHETIC YARN
Herbert O. Naumann, Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Original application July 14, 1942, Serial No. 450,934. Divided and this application June 3, 1943, Serial No. 489,555
3 Claims. (Cl. 18—54)



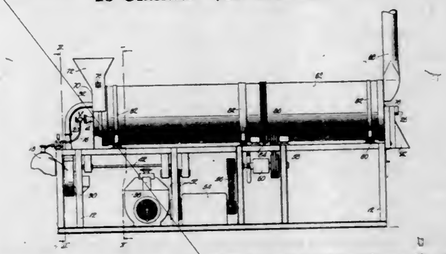
1. In the production and packaging of thread by the method which includes forming a thread, leading the thread continuously over a plurality of separate rotary treating devices in succession spaced at a substantial distance from each other but constituting a unitary continuous spinning apparatus on which the thread is subjected to successive treatments for ultimate collection in treated final form in a package, the method of initially transferring the thread from one rotary treating device to the next succeeding device which includes leading said thread over a first rotary treatment device, temporarily collecting the thread in a waste bundle on an independently rotated separate collecting device temporarily disposed adjacent said first rotary treating device, maintaining the oncoming thread under tension while it is being so temporarily collected and, while so collecting the thread, bodily moving said collecting device while it is rotating and performing its collecting function into position adjacent the next succeeding rotary treatment device located at a distance from said first device and on which the thread is to be applied for subjection to continued further treatment, separating the oncoming thread from the waste bundle and directing it onto said other rotary treating device to which the collecting device has been moved and removing the waste bundle, said thread being kept under tension from the time of its formation until the time that it is placed on the second treating device.

2,410,674
MULTIPLE TWISTER AND DOUBLER
Seddon C. Nelson, Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 14, 1944, Serial No. 518,267
20 Claims. (Cl. 57—58)



1. A device for twisting a strand comprising at least one pair of axially spaced substantially coaxial fliers through the air space between which the strand is adapted to travel in free flight, one of the fliers of each pair being an idler, means for rotating the other flier of each pair, a rotatable support for the strand mounted coaxially with and intermediate of the spaced members of each pair of fliers, and means for traversing at least one of the fliers adjacent one end of the support with respect to the support.

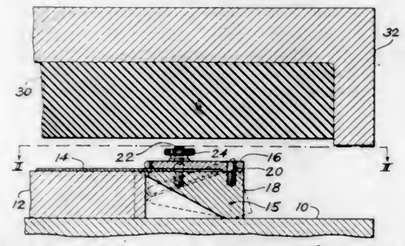
2,410,675
DEHYDRATOR
Adelbert P. Nichols, Jr., Johnson County, Kans.
Application February 22, 1945, Serial No. 579,260
15 Claims. (Cl. 263—22)



1. In a dehydrator of the character described, a stationary drum provided with outwardly directed openings in the wall thereof; means for

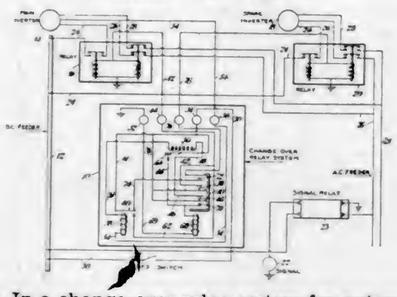
creating a fire in the drum; apparatus for directing air under pressure into the drum; a rotatable jacket circumscribing the drum and providing a dehydrating chamber between the drum and the jacket into which are directed the said openings; and means for rotating the drum in a direction to move the material being treated toward the openings whereby the air passing from the drum through said openings is directed against the material.

2,410,676
APPARATUS FOR FORMING SHEET METAL
James S. Nielsen, Stow, Ohio, assignor to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application October 16, 1943, Serial No. 506,474
5 Claims. (Cl. 113—44)



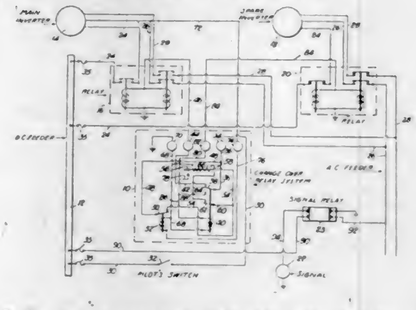
1. Apparatus for shaping sheet metal and including a die support, a die on the support, said die carrying and positioning the sheet with an overhanging edge, multi-part contoured shaping means adapted to grip the overhanging edge of the sheet, the lowermost part of said shaping means having a wedge shape in vertical section and resting loosely on the die support in pivotal relation therewith, said shaping means being pivotally supported on the die support at a point spaced from the die and to the underside of the plane of the overhanging edge, a rubber block, and means for forcing the rubber block against the upper surface of the sheet to form it into the die and simultaneouly to rock the shaping means about the pivotal support progressively to bend and stretch the overhanging edge.

2,410,677
AUTOMATIC CHANGE-OVER RELAY
Malcolm K. Parkhurst, New York, N. Y., assignor to The Wilcolator Company, Elizabeth, N. J., a corporation of Delaware
Application February 1, 1945, Serial No. 575,663
5 Claims. (Cl. 171—97)



5. In a change-over relay system for automatically supplying current from a spare current source upon the failure of current supply from a main source of current, a relay, a current operated time delay switch operable after a predetermined period of time to close the switch, means for energizing said relay by the closing of said switch after said period of time and for thereby establishing a potential circuit through the relay to the spare current source, a switch in said potential circuit, means responsive to the initial flow of current from said main source of current for opening said switch in said potential circuit, means for simultaneously supplying current to said time delay switch and through said relay to initiate the supply of current from said main source of current, and means responsive to a failure of current supply from said main source of current for closing said switch in said potential circuit to thereby establish a circuit for the supply of current from said spare current source.

2,410,678
CONTROL INVERTER CHANGE-OVER SYSTEM
Malcolm K. Parkhurst, New York, N. Y., assignor to The Wilcolator Company, Elizabeth, N. J., a corporation of Delaware
Application August 21, 1945, Serial No. 611,783
6 Claims. (Cl. 171—97)

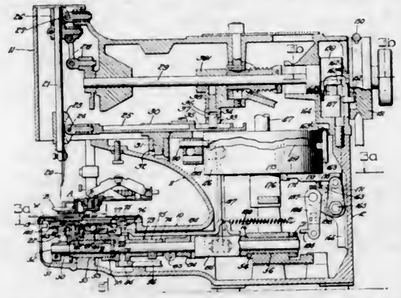


6. In an automatic change-over system for supplying current from a spare current source upon the failure of current normally supplied from a main current source, a relay, a current-operated time-delay switch operable by the flow of current thereto to cause the closing of said switch after the passage of current thereto for a predetermined period of time, circuit means for energizing said relay and for initiating the supply of current from said spare current source upon the closing of said switch, said relay being adapted to establish a circuit for the supply of current from said spare current source, a circuit including a switch for supplying current to said time-delay switch, and means responsive to the flow of current from said main current source for opening the switch in said last-mentioned circuit, said last-mentioned switch being normally biased to a closed position whereby the failure of current supplied from said main current source permits said last-mentioned switch to close to in turn permit current to flow therethrough to said time-delay switch.

2,410,679
SEWING MACHINE
Joseph H. Pikul, West Newton, Mass., assignor to The Reece Corporation, a corporation of Maine
Application February 3, 1944, Serial No. 520,836
9 Claims. (Cl. 112—159)

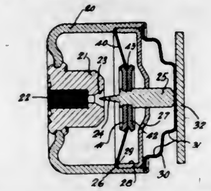
2. In a sewing machine, the combination with a reciprocatory and oscillatory needle and looper

mechanism including two spaced loop-handling devices together movable in opposite directions to seize thread loops cast by the needle in its oscillatory end positions, respectively, and deflect them into the path of the needle in its other oscillatory end position, of means to move said devices in said opposite directions to cooperate with the oscillating needle in the formation of first stitches



in work, and to move said devices once in both of said opposite directions during a repeat reciprocation of the needle in one of its oscillatory end positions to cause seizure and deflection of a needle thread loop alternately by said devices and its release from the latter between said alternate seizures for the formation of another stitch differently disposed than said first stitches.

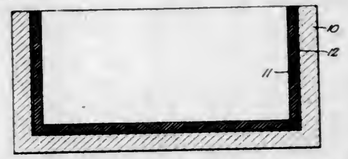
2,410,680
SNAP ACTION MECHANISM
Olaf Rasmussen and Richard C. Rike, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 2, 1943, Serial No. 489,395
3 Claims. (Cl. 74—100)



1. In combination with a member to be actuated out of normal rest position into its active position with a forcible, snap action; of means for engaging and moving said member out of its normal toward its active position, said means comprising, a resilient element secured to said member and capable of being flexed out of its normal, inert formation into another shape in which static energy is stored therein, said element when flexed into said other shape, holding the member in its normal rest position and being effective to move said member into its active position when said resilient element is actuated to assume its normally inert formation.

2,410,681
CONTAINER AND METHOD OF MAKING IT
Vincent A. Rayburn, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1942, Serial No. 469,249
10 Claims. (Cl. 206—2)

10. A container for retaining a corrosive electrolyte, which comprises a metal tank, a solid thermoplastic lining material positioned within the tank to prevent contact between the tank and the electrolyte, consisting of about 40% reclaimed rubber, about 43% clay, about 12% mineral rubber, about 4% cumar resin and about 1%



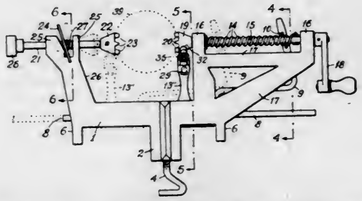
paraffin, and a layer of adhesive material interposed between the tank and the lining consisting of about 38% of a thermoplastic material similar to said thermoplastic lining material and the balance rosin oil and viscous asphaltic material in the ratio of about 1 to 10.

2,410,682
JET PROPELLED TOY
Norval R. Richardson, Alexandria, Va.
Application November 11, 1944, Serial No. 563,023
2 Claims. (Cl. 46—95)



1. A jet propelled toy including a hollow body adapted for the reception of a jet producing agent, the body being provided with a vent, a disc mounted on said body and extending over the vent to normally prevent exit of the jet producing agent, a valved tube extending through the disc and body for the charge and recharge of the latter, the disc being provided with openings selectively movable into registry with the body vent.

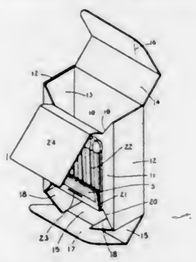
2,410,683
FRUIT PEELING DEVICE
Enrique Juan Rios y Márquez, Lawton, Habana, Cuba
Application February 1, 1944, Serial No. 520,593
In Cuba February 12, 1943
2 Claims. (Cl. 146—43)



1. A machine for peeling fruit comprising, in combination, a supporting frame having a clamping screw whereby said frame is adapted to be secured to a support, two horizontal shafts in alignment one with the other and provided at their corresponding inner extremities with holding heads having barbs suitable for securing fruit between them, one of said shafts being rotatably mounted on said frame, the other of said shafts being rotatably and slidably mounted on said frame, a retaining mechanism cooperating with said frame and bearing against a spring for the purpose of preventing axial movement of said slidable shaft away from said fruit said mechanism being manually operable to allow slidable

movement of said slidable shaft relative to said frame, a worm formed by a helically coiled wire secured around said rotatable shaft, a crank secured to the outer extremity of said rotatable shaft, two horizontal and parallel rods located below said shafts and mounted on said supporting frame, one of said rods being fixed and the other slidable relative to said frame, a U-shaped support member slidably mounted on said slidable rod, an upwardly extending arm integral with and carried by said support member, a tooth adapted to coact with said worm mounted on the free end of said arm whereby rotation of said rotatable shaft causes longitudinal movement of said U-shaped support relative to said slidable rod and said frame, a bushing mounted on said slidable rod between the two branches of said U-shaped support, an upwardly extending curved arm carried by said bushing, said curved arm being forked to form two branches at its upper part, a spring coiled on said bushing for maintaining said forked arm under tension and tending to force said forked arm towards said holding heads, a U-shaped peel cutter removably mounted on the upper extremity of one of said branches of said forked arm, the other of said branches of said forked arm having at its end portion a projection extending beneath said cutter for a distance sufficient to leave a desired portion of the cutter extending beyond said projection, a screw thread through the upper end of the cutter carrying branch with its projecting end bearing against the extremity of said projection carrying branch, said screw being manipulatable to move said projection toward and from the bent end of said cutter, thereby adjusting the distance of said cutter which extends beyond said projection, the lower end of said forked arm having a portion extending angularly relative to said forked arm, an adjustable lug carried by said portion, said lug slidably engaging said fixed rod so as to limit rotation of said forked arm and said cutter toward said holding head, thus counteracting the tension of said spring coil on said bushing.

2,410,684
MATCH AND CIGARETTE CONTAINER
Gaylord P. Rufle, Canton, Ohio
Application December 10, 1943, Serial No. 513,673
2 Claims. (Cl. 206—48)

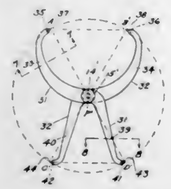


2. A cigarette container formed from a single blank, said blank being divided to provide a front wall, a rear wall, an intermediate side wall between the front wall and rear wall, a second intermediate side wall at the outer edge of the front wall, a side flap at the outer edge of the rear wall for attachment to said last named intermediate side wall to maintain the container in assembly, extended flaps at the upper and lower ends of the rear wall to form top and bottom end closing walls, extension flaps at the ends of said end closing walls, extension flaps at the lower ends of said first named intermediate side wall and said side flap for folding within said bottom end closing wall, re-entrant cutouts at the upper and lower edges of the front wall to permit any insertion and withdrawal of said extension flaps, the front wall being provided with an integral, relatively short flap at the lower re-entrant cutout, said short flap being folded upward, a match book attached to said short flap, and an integral, relatively long flap formed on the front wall at said upper re-entrant cutout and folded downward for engagement behind the short flap forming a cover for the match book.

2,410,685
HOT MELT-COATING COMPOSITION
Martin Salo and Harold F. Vivian, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 18, 1945, Serial No. 623,187
9 Claims. (Cl. 106—181)

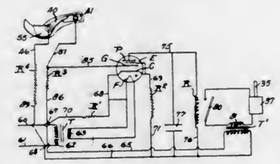
1. A non-blocking hot melt-coating composition essentially consisting of a cellulose ester having a butyryl content of at least 42%, hydrolyzed to no more than two hydroxyl groups per 24 cellulose carbon atoms a melting point less than 200° C., a char point of at least 260° C. a cuprammonium viscosity of not more than 10 centipoises, and an acetone viscosity of 5–200 centipoises and 25–100% (based on the weight of the cellulose ester) of a mixture of butyl stearate and a phthalate selected from the group consisting of dicapryl phthalate, diethoxyethyl phthalate, and dibutoxyethyl phthalate, both components of the plasticizer mixture being present in an amount at least 20% of that mixture.

2,410,686
DOUBLE CALIPERS
Dwight H. Sayward, Cape Elizabeth, Maine
Application April 18, 1944, Serial No. 531,553
5 Claims. (Cl. 33—149)



5. A caliper construction characterized by a pair of body members pivotally connected together and shaped to provide outside calipering legs each having a work-contact locus at one side of the axis of pivoting and inside calipering legs each having a work-contact locus at the opposite side of the axis of pivoting, the pivot axis being equidistant from the work-contact loci on each body member, the work-contact loci on each body member and the pivot axis of said body member being located on a straight line, the work-contact loci on the outside calipering legs comprising edges and the work-contact loci on the inside calipering legs comprising points, one of said body members being flat and the other of said body members having a transverse channel-shaped portion for receiving the first body member flatwise for pivotal connection thereto, and the recessed part of said channel-shaped portion having an elevation equal to the thickness of said first body member whereby the work-contact loci at each side of the pivot axis are in registry.

2,410,687
STOPPING MECHANISM FOR WEFT REPLENISHING LOOMS
Victor F. Sepavich, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 23, 1945, Serial No. 606,602
12 Claims. (Cl. 139—290)



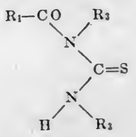
1. In a weft replenishing loom having a shuttle position feeler moved to feeling position preparatory to a replenishing operation of the loom and moved away from feeling position by a misplaced shuttle, said feeler having a normally open contact which is closed when the misplaced shuttle moves the feeler away from the feeling position thereof, stopping means for the loom including an electromagnetic device which when energized causes said stopping means to stop the loom, operating circuit means effective to energize said device when electric current can flow in said circuit means, an electronic tube in said circuit means including a grid normally operative when said contact is open to prevent electric current from flowing through said tube and in said circuit means, and electric means effective upon closure of said contact to cause the grid to permit electric current to flow through said tube and in said circuit means to energize said device.

2,410,688
METHOD OF MAKING PROTECTIVE COMPOSITION AND RESULTING PRODUCT
Carl L. Shapiro, New York, N. Y., assignor to Lynnwood Laboratories, Inc., Essex County, N. J., a corporation of New Jersey
No Drawing. Application January 6, 1940, Serial No. 312,684
8 Claims. (Cl. 106—219)

8. A composition adapted for application as a film-forming material for protective purposes comprising an oleoresinous film-forming material having incorporated therein the reaction product of an acid having a degree of dissociation sufficiently high so that upon mixing the same with a higher fatty acid a reaction takes place between the two acids without the application of heat, with higher unsaturated fatty acids having 14, 16 and 18 carbon atoms obtained by mixing the fatty acid with the added acid and allowing the mixture to stand at about room temperature for several hours until the reaction between the first-named added acid and organic first-named acid is completed, the reaction taking place without the application of heat, said added acid being sufficiently strong so that upon mixing the same with said fatty acid a reaction takes place between said acids with or without the application of heat.

2,410,689
SENSITIZING PHOTOGRAPHIC EMULSIONS
Samuel E. Sheppard, Rochester, N. Y., and Harlow R. Brigham, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 13, 1944, Serial No. 544,812
4 Claims. (Cl. 95—7)

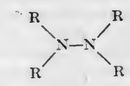
1. A photographic emulsion comprising a colloidal medium containing light-sensitive silver salts, and having added thereto a sensitizing compound of the general formula



in which R_1 is selected from the class of alkyl and aralkyl groups containing 5 to 21 carbon atoms and R_3 is selected from the class of hydrogen, alkyl, and aryl groups.

2,410,690
METHOD OF IMPROVING THE SENSITIVITY CHARACTERISTICS OF EMULSIONS
William F. Smith and Robert E. Stauffer, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 26, 1943, Serial No. 500,087
9 Claims. (Cl. 95—6)

1. The method of producing an image in an undeveloped silver halide developing-out emulsion, which comprises exposing said emulsion and developing it with a hydroquinone developing agent at a pH of at least approximately 9.5 in the presence of a compound selected from the group consisting of hydrazine compounds of the general formula:

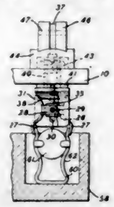


where at least two R's are hydrogen atoms and when less than 4 R's are hydrogen atoms the remainder are carbon radicals, and the salts of said compounds, and also in the presence of an onium compound selected from the group consisting of non-desensitizing cationic cyclammonium quaternary salts and sulfonium salts.

2,410,691
ELECTRICAL CONNECTOR
John E. Stevens, Silver Beach, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 19, 1942, Serial No. 435,335
5 Claims. (Cl. 173—328)

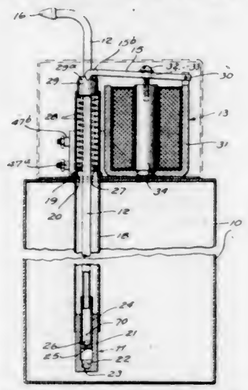
1. An electrical connector comprising companion clamping jaws having like ends to jointly clamp a terminal when moved into clamping positions and opposing ends to be engaged for movement of the jaws, a shaft having the jaws pivotally mounted thereon intermediate their ends, an element formed to engage the said opposing ends of the jaws and cause movement of the jaws about the shaft to move the said clamping ends into clamping positions upon movement

of the shaft and clamping jaws relative to the element, a cam, and a pull rod operatively connect-



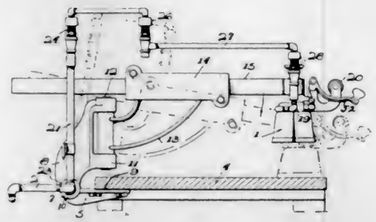
ing the shaft and the cam to cause the movement of the shaft and jaws relative to the element.

2,410,692
LIQUID DISCHARGING DEVICE
John D. Strobell, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware
Application June 17, 1943, Serial No. 491,085
4 Claims. (Cl. 299—97)



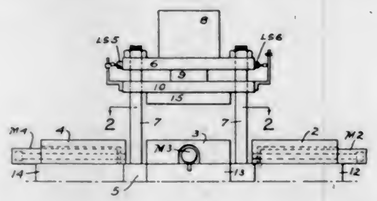
1. In combination with means forming a container for liquid, a liquid discharging device comprising, a cylindrical member having one end extending out of the container and the other end extending below the liquid level in the container, an inner liquid tube positioned concentrically within said cylindrical member and having one end projecting beyond the cylindrical member away from the container, a pump below the liquid level and formed by stationary means attached to said cylindrical member and a pump plunger attached to said liquid tube, a liquid discharging nozzle connected to said liquid tube at the end thereof opposite said pump and adapted to discharge the liquid radially with respect to the axis of said cylindrical member, means extending from said liquid tube and forming therearound an annular ledge having a radially grooved annular surface, a forked lever having a free forked end spanning said liquid tube with the two arms of the fork having ends resting respectively on the opposite sides of the liquid tube in the grooves in said ledge, means pivoting the other end of said lever, a spring and stop arrangement holding said liquid tube with said annular surface against said forked lever and at one extreme position of a predetermined rocking movement, and a solenoid assembly to swing said forked lever against the action of said spring, whereby the intermittent energization of said solenoid imparts reciprocating movement to said liquid tube with the result that the liquid is discharged from said nozzle.

2,410,693
PRESSING IRON STEAM CONNECTIONS
Anthony Tallento, Rochester, N. Y.
Application October 7, 1942, Serial No. 461,107
6 Claims. (Cl. 38—32)



1. The combination of a slidable pressing iron mounted for movement about a horizontal and a vertical axis at points spaced from the iron to permit various movements of the pressing iron over a table or ironing board, and steam pipe connections including rear upright sections extending upwardly from steam supply and exhaust pipes and having a swivel connection with the same and movable on an axis coincident with the horizontal axis of the iron, and front and rear steam pipe connections hinged together and to the rear upright pipe sections and to the pressing iron and establishing communication between the pressing iron and the supply and exhaust pipes.

2,410,694
MULTIPLE TABLE DRIVE
Ransom Tyler, Greenfield, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 30, 1942, Serial No. 452,924
20 Claims. (Cl. 113—38)



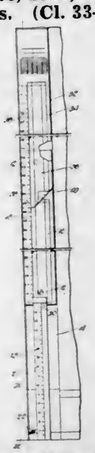
1. In a machine having a plurality of tables, the combination of a hydraulic motor connected to each table to advance and retract the same, a pump, fluid channels connecting said motors to said pump and forming therewith a hydraulic circuit, valve means for controlling the flow in said circuit and the operation of each of said motors, a starting means associated with each motor and operable to effect operation of said valve means to cause the motor associated with that starting means to advance the table connected thereto, the several starting means being operable in any desired sequence, means responsive to any table being fully advanced for effecting operation of said valve means to reverse the flow in said circuit and thereby cause the motor connected to that table to retract the same, and means responsive to any table being fully retracted for effecting operation of said valve means to cause an advance movement of the table connected to the motor the starting means of which was next operated in said sequence.

2,410,695
ACTUATOR CONTROL SYSTEM
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 14, 1945, Serial No. 582,777
14 Claims. (Cl. 192—142)



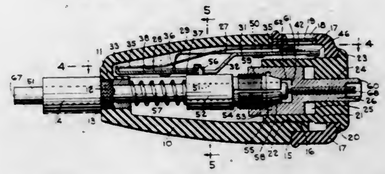
1. In combination with a prime mover capable of operating in one or the other direction; means operative to control the prime mover in either direction respectively; cooperating screw and nut members, one of which is rotated by the prime mover, the other member being non-rotatable but movable axially on said one member in response to its rotation; a normally inactive torsion bar; means rendered operative when the non-rotatable member is moved into one or the other predetermined position on the rotatable member, for engaging and holding one end of the torsion bar and causing its deflection, said deflection of the torsion bar increasingly resisting the turning of the rotatable member; and means rendered effective by the holding of one end of the torsion bar for actuating the control means of the prime mover to stop it.

2,410,696
HEIGHT MEASURING SCALE
Lloyd M. Wheeler, Kansas City, Mo.
Application July 26, 1944, Serial No. 546,652
8 Claims. (Cl. 33—107)



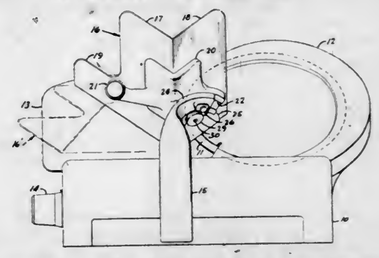
1. A measuring scale of the type described comprising a rigid primary panel having indicia on one face thereof; means for securing the panel to a wall; and a flexible section of predetermined length extending longitudinally from the primary panel to serve as means for locating the primary panel on the wall.

2,410,697
DIMENSION TESTING GAUGE
Samuel Wilkinson, Rowley Park, and Arthur Green, Coventry, England
Application May 8, 1943, Serial No. 486,133
In Great Britain May 19, 1942
3 Claims. (Cl. 33—147)



3. A gauge comprising a tubular housing, a plate fixedly disposed therein, a slidable gauging rod passing through said housing and having an element disposed in a slot in said plate, pivoted indicator mechanism attached to said plate having a part in close proximity to said element, spring means arranged normally to maintain said element close to but not in operative engagement with said part, and means accessible from the exterior of said housing for adjusting the axial displacement of said rod, the latter having free slidable movement when moved away from the work but adapted to come into engagement with and actuate the said indicator mechanism when the contact end of the rod reaches a predetermined point in its movement toward the work.

2,410,698
MEAT SLICING MACHINE
George R. Wood, Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 12, 1943, Serial No. 482,770
4 Claims. (Cl. 146—102)



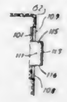
1. In a slicing machine having a circular rotary knife, a commodity holder mounted for reciprocation relative to the knife in a direction generally parallel to the plane of the knife edge, the commodity-holding portion of said commodity holder consisting of a trough in which a commodity is movable in a direction transverse to the plane of the knife edge, one end of the commodity-supporting portion of the trough being cut off substantially along a plane transverse to the trough, and the other end of the commodity-supporting portion of the trough being cut off substantially along a plane at a substantial angle to the last mentioned plane, and means for selec-

tively fixing the trough in reversed positions with either of its ends substantially in the plane of the knife edge and with its axis intersecting the plane of the knife edge in the same general vertical plane.

2,410,699
CYCLOTRIMETHYLENETRINITRAMINE RECOVERY
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application September 26, 1942, Serial No. 459,839
3 Claims. (Cl. 260—248)

1. The process for the recovery of cyclo-trimethylenetrinitramine from mixtures comprising essentially cyclo-trimethylenetrinitramine and a nitrotoluene which comprises treating such a mixture with an amount of acetone which is sufficient to dissolve the cyclo-trimethylenetrinitramine and the nitrotoluene, filtering, adding water slowly and in such an amount to the filtrate, with stirring, to effect the substantial precipiation of the cyclo-trimethylenetrinitramine without the precipitation of any appreciable amount of a nitrotoluene from the solution and filtering off the precipitated cyclo-trimethylenetrinitramine.

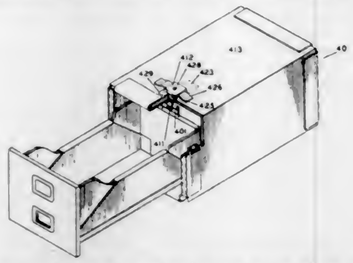
2,410,700
FILE CABINET INTERLOCK AND REINFORCING ELEMENT
Philip Zalkind, New York, N. Y.
Application February 26, 1943, Serial No. 477,204
3 Claims. (Cl. 312—111)



1. An interlock element to be secured to a wall of a container; said element comprising a section having outer bridging elements and opposite parallel supporting legs; said legs at the central region of said section being higher than the portions of said legs adjacent the ends thereof; certain of said bridging elements connecting said opposite legs at the ends of said section; and one of said bridging elements connecting said opposite legs at the central region; said central bridging element being in a plane spaced outwardly from that of the end bridging elements; said central bridging element and the higher portions of the legs defining a socket open at either end of said central bridging element.

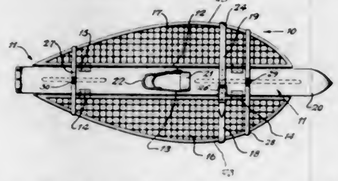
2,410,701
CONTAINER-DRAWER STOP AND ALIGNING MEANS
Philip Zalkind, New York, N. Y.
Original application June 2, 1938, Serial No. 211,385, now Patent No. 2,337,079, dated December 21, 1943. Divided and this application January 1, 1944, Serial No. 516,681
3 Claims. (Cl. 45—7)

3. In a collapsible cabinet comprising a collapsible casing section of substantially fibrous material having a top wall and an open front and a collapsible drawer section of substantially fibrous material having side walls and an open top and a rear wall; means on said top wall of said casing section and means on said rear wall of said drawer section cooperating with each other to prevent unintended removal of the drawer section from said casing section; said means on said rear wall of said drawer section comprising a roller adapted to ride against the top wall of the casing section; said means on the top wall of the casing section comprising an abutment engaging said roller and preventing unintended removal of the drawer; said abut-



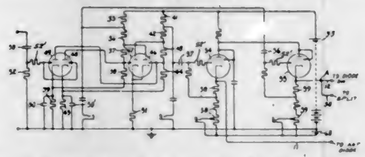
ment comprising a pendant rotatable wire, a support for said wire in the top of the casing section, said wire having a bent portion in the path of movement of said roller and other portions rotatably secured to said support, and means on the support cooperating with the wire for limiting rotation of the wire toward the front of the casing section.

2,410,702
COMBINATION SKI AND SNOWSHOE
Joseph A. Arsenault, Mexico, Maine
Application August 18, 1945, Serial No. 611,363
6 Claims. (Cl. 36—4.5)



1. In a device as described a ski and wings hingedly connected to the sides thereof, said wings being in the form of a longitudinal half of a snowshoe, and means for holding the wings in raised position.

2,410,703
ELECTRON DISCHARGE CIRCUIT
Seymour Berkoff and Robert B. Dome, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application September 5, 1942, Serial No. 457,432
5 Claims. (Cl. 250—36)



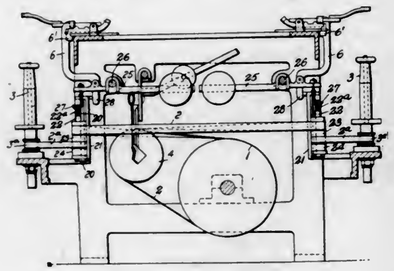
1. In combination, a source of pulses, a pair of electron discharge amplifiers each having an anode, a cathode, and a control electrode, means to supply pulses from said source between said control electrode and cathode of both of said amplifiers, and means responsive to current in the anode of either amplifier to render inoperative the respective amplifier and to render the other amplifier operative, whereby adjacent of said pulses in time are amplified by different of said devices, and means responsive to current flowing between the control electrode and cathode of either device during any pulse produced by undesired increase in amplitude of said pulses to bias the control electrode of the other device sufficiently negative with respect to its cathode that said other device is maintained inoperative during said pulse.

2,410,704
OPHTHALMIC MOUNTING
Samuel E. Bouchard, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 1, 1944, Serial No. 529,159
6 Claims. (Cl. 88—47)



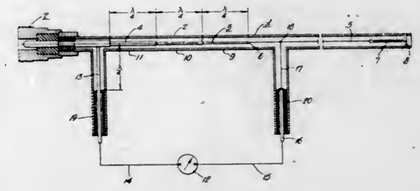
1. An ophthalmic mounting comprising a lens engaging strap having a threaded opening formed therein; a screw adapted to be passed through an opening in a lens and threaded into the opening formed in said strap for securing said lens to said strap; and an extension formed integral with said strap and folded over on the same, said extension having an opening formed in alignment with the threaded opening of said strap, the material of said strap being ductile so that said extension can be turned about the fold to bind the threads of the screw.

2,410,705
SPINNING AND TWISTING MACHINE
Harold Arthur Boyd, Glasgow, Scotland
Application March 28, 1945, Serial No. 585,285
In Great Britain April 20, 1944
5 Claims. (Cl. 57—104)



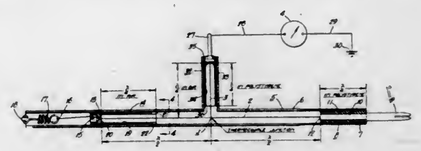
1. In a spinning or twisting machine, the combination with a main driving drum and a spindle having a whorl, of an intermediate whorl movable laterally towards and away from said spindle, a primary flexible driving element connecting said main driving drum and said intermediate whorl, and a secondary flexible driving element connecting said intermediate whorl and said spindle whorl.

2,410,706
DEVICE FOR MEASURING HIGH-FREQUENCY POWER
William E. Bradley, Swarthmore, and Nels Johnson, Penn Wynne, Pa., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 28, 1944, Serial No. 533,226
4 Claims. (Cl. 171—95)



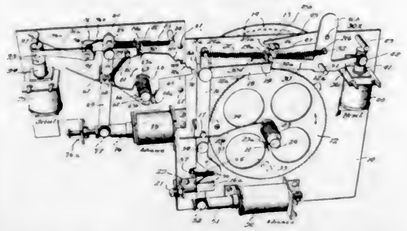
1. In a high frequency power measuring device, a co-axial line having an input end and comprising a tubular outer conductor and an axial conductor, said axial conductor consisting of two parts serially connected and comprising different materials which form, conjointly, a thermo-couple hot junction, the one of said parts most remote from said input end including resistance of such magnitude that high frequency wave energy propagated through said coaxial line from said input end is reduced to a small fraction of its starting value by the time it reaches the other end of the line, and a direct current circuit including said thermo-couple junction, together with a meter responsive to voltage generated by the thermo-couple junction for indicating the power consumed by said co-axial line.

2,410,707
DEVICE FOR MEASURING HIGH-FREQUENCY POWER
William E. Bradley, Swarthmore, and Nels Johnson, Penn Wynne, Pa., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 18, 1944, Serial No. 536,146
8 Claims. (Cl. 171—95)



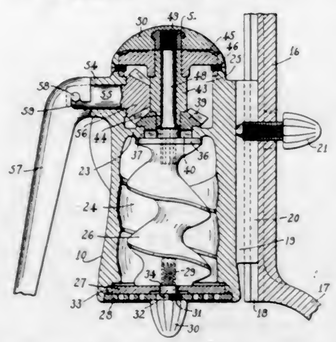
1. In a high frequency electric power measuring device, a co-axial resonant line having an input end, said line being equal in length to an integral multiple of a half-wave-length, where the wave length is that of the wave whose power is to be measured, said line comprising a tubular outer conductor and an axial conductor consisting of a small diameter high resistance wire, a hot thermocouple junction disposed within said resonant line in intimate heat transfer relation to said axial conductor and located at a current antinode situated substantially an integral number of half-wave-lengths from the nearest end of said line, and a direct current circuit including said junction together with a meter responsive to the D. C. voltage generated by said junction.

2,410,708
VARIABLE STROKE MECHANISM
Robert H. Breither, Herman L. Seiden, Charles T. Breitenstein, and Frank G. Nicolaus, Chicago, Ill., assignors to Raymond T. Maloney, Chicago, Ill.
Application July 18, 1941, Serial No. 403,002
9 Claims. (Cl. 74—142)



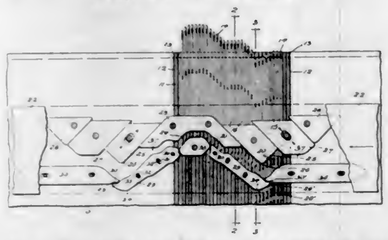
1. In a variable stroke device a main operating lever mounted for oscillation, means for oscillating said main lever, and variable stroke means including a stop member positioned for movement adjacent said main lever and having a plurality of stop formations disposed at varying radial distances from the center of pivotal movement of said member and each positionable by movement of said stop member into a stopping position opposite a portion of said main lever to limit the movement of the latter in one direction, together with means for selectively moving said stop member and including an electromagnetic pawl means cooperable therewith to advance said member in one direction, means yieldably urging said member in an opposite direction, releasable holding pawl means normally preventing said opposite movement, and electromagnetic pawl means energizable to permit release of said holding means and step by step movement of said stop member in said opposite direction.

2,410,709
FOOD CHOPPER
Herbert W. Brooks, West Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application November 29, 1943, Serial No. 512,083
5 Claims. (Cl. 146—192)



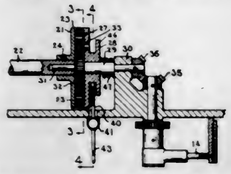
1. A food chopper comprising a casing, a feed screw rotatably mounted therein, means for mounting said casing upon a support with said screw disposed in a vertical position, a shaft rotatably mounted in the casing the axis of which is transverse to the axis of the screw, partition means in said casing forming a chamber for the feed screw and a gear chamber, gearing in said gear chamber connecting said shaft and screw, said gearing comprising a gear drivingly connected to said screw, a bearing sleeve suitably supported in the gear chamber above said gear, said screw having a shaft extending through said bearing, and means on the extended end of said shaft to retain the screw in the casing.

2,410,710
KNITTING MACHINE AND METHOD OF KNITTING
Frederick W. Brown, Mount Holly, N. J.
Application May 7, 1945, Serial No. 592,320
7 Claims. (Cl. 66—63)



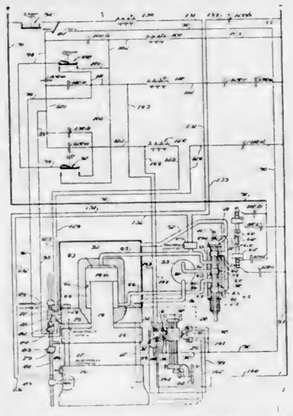
1. In a machine for knitting a sweater or the like having a body portion with a tail and side band, a needle bed, a set of needles to knit the body portion and tail, a second set of needles to knit the band, single-butt jacks to shift the body portion knitting needles, double-butt jacks to shift the band knitting needles, a first cam structure arranged to engage the butts of the single-butt jacks after the body portion knitting needles have engaged the yarn and being adjustable to vary the tension of the body portion and tail, a separate cam structure arranged to engage corresponding butts of the double-butt jacks after the needles in the band knitting group have engaged the yarn for regulating the tension of the band, the other butts of the double-butt jacks being adapted to engage the first cam structure when the double-butt jacks are released from the control of the second cam structure, the separate cam structure being permanently arranged in the path of travel of the said corresponding butts of the double-butt jacks during the knitting operation of the machine, and a carriage upon which the cam structures are mounted and moveable with relation to both sets of butts.

2,410,711
MOTION PICTURE APPARATUS
Don Canady, Cleveland, Ohio, assignor to Dayton Acme Co., Cincinnati, Ohio, a corporation of Ohio
Application September 25, 1944, Serial No. 555,690
2 Claims. (Cl. 88—18)



1. In a motion picture projector having an upper constant speed film feeding roller, a lower constant speed film feeding roller, an intermittent film feeding mechanism interposed between said feed rollers operating with a free loop between each of said feed rollers and the intermittent mechanism, and means for increasing the speed of the intermittent mechanism for restoring the lower film loop comprising a pair of members mounted on co-axial shafts, an internal gear fixed to one of said members, said member attached to one of said shafts, clutch teeth between said members, said other member rotatable on said other shaft, a gear fixed to said last named shaft, a pair of gears interposed between said last named gear and said internal gear for increasing the speed of said last named shaft upon disengagement of said clutch teeth.

2,410,712
CONTROL FOR HYDRAULIC PRESSES
Earl Cannon, Rockville Centre, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application June 30, 1943, Serial No. 492,863
23 Claims. (Cl. 121—41)



1. In a fluid-actuated device having a fluid-actuated reciprocating tool-carrying member adapted in normal operation to execute relatively rapid uninterrupted movements; electrical control means for controlling the movement of said member, comprising first operating means adapted to operate the said electrical control means to derive such normal operation of the tool-carrying member, and second operating means, adapted to operate said electrical control means to derive inching operation of the tool-carrying member, the said second operating means having portions thereof constrained at all times to move in unison with said member, and an element, movable manually independently of the mentioned portions and arranged to coact with the latter, in response to such manual movement, to initiate movement of the tool-carrying member and to coact with said portions in response to the latter movement of said member to terminate movement of the tool-carrying member.

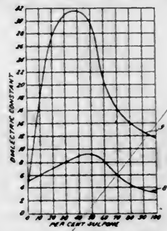
2,410,713
FLEXIBLE TAPE RULE WITH LOCK AND CLOSURE
Frederick O. Carlson, Cleveland Heights, Ohio, assignor of one-half to Andrew J. Sullivan, Cleveland, Ohio
Application May 8, 1944, Serial No. 534,557
7 Claims. (Cl. 242—84.8)

1. A device of the character described having in combination a casing of conventional outline and narrow width having a marginal opening, a combined closure and locking member pivotally mounted adjacent said opening, an extension tongue on said member adapted to move into and out of said casing, a transversely arched metal



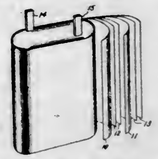
measuring tape housed within said casing and having resilient sliding contact with said extension tongue, and means on said tape for engagement by said tongue when said closure member is moved to open position.

2,410,714
DIELECTRIC AND INSULATING COMPOSITION
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 31, 1942, Serial No. 436,930
11 Claims. (Cl. 252—63.7)



1. A composition suitable for dielectric purposes comprising by weight about 20 to 60 parts of dinaphthyl sulfone and about 80 to 40 parts of chlorinated diphenyl.

2,410,715
HYDROGENATED OIL COMPOSITION
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 10, 1945, Serial No. 582,174
8 Claims. (Cl. 252—64)

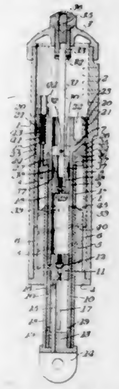


5. A range of dielectric compositions consisting of about 99 to 85 per cent of hydrogenated vegetable oil and about 1 to 15 per cent of aromatic sulfone.

2,410,716
AIR AND FLUID PRESSURE CUSHION DEVICE
Harry L. Cook, deceased, late of North Huntingdon Township, Westmoreland County, Pa., by Anna M. Cook, administratrix, North Huntingdon Township, Westmoreland County, Pa.
Application June 11, 1945, Serial No. 598,733
5 Claims. (Cl. 188—88)

1. In a cushioning device for the purposes described, the combination of a main casing ar-

ranged to be attached to one of the two elements between which the cushioning device is to be operatively interposed, a cap closing one end of the casing, a detachable head closing the other end of the casing, said head having an axial bore and an annular extension protruding inwardly of the casing and forming with the wall of the casing an annular chamber, a main piston working in the casing and provided with an axial bore and a tubular piston rod extending outwardly through the bore of the head, the outer end of the tubular



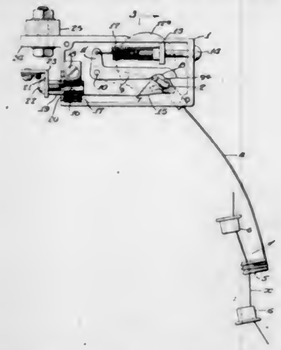
piston rod being arranged for attachment to the other of said elements, a pump piston working in the bore of the main piston and linked to the cap, valve means for the admission of atmospheric air into the tubular piston rod as the pump piston moves towards the head, said valve means closing as the piston moves in the opposite direction to compress the trapped air and admit to the chamber formed in the cap end of the casing by the main piston, and a cylindrical skirt depending from the main piston and working in the annular chamber.

2,410,717
METALLIC COMPOUNDS ADAPTED TO FORM AN ELECTRICAL CONTACT
Irvin W. Cox, West Allis, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
No Drawing. Application October 10, 1942, Serial No. 461,601
7 Claims. (Cl. 75—0.5)

1. As an article of manufacture, a powder adapted for molding under pressure into suitable form for use as an electrical contact, said powder consisting of a homogeneous composition of silver and molybdenum wherein the finest particles thereof contain the same proportions of silver and molybdenum as the coarsest, whereby an inherently fine and substantially perfect distribution of the molybdenum lattice is insured in the molded contact, said powder having a composition which is the equivalent of silver molybdide of the formula Ag_8Mo_7.

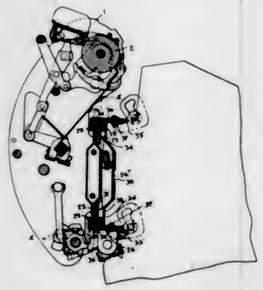
2,410,718
STOP MOTION FOR KNITTING MACHINES
Alfred Crawford, New Brunswick, N. J., assignor to Crawford Manufacturing Company, New Brunswick, N. J., a corporation of New Jersey
Application January 30, 1946, Serial No. 644,288
4 Claims. (Cl. 66—163)

1. A switch structure for electric stop motions for knitting machines and the like, comprising a closed casing, an operating shaft pivoted in and having one portion projecting outside said casing, a bell-crank lever pivoted and confined within said casing, a tension spring operatively connected to one arm of said bell-crank lever and confined within said casing, an electric terminal



element within said casing and engageable by a second arm of said bell-crank lever, a crank on the portion of the operating shaft disposed within said casing and engageable with one of said arms, and a thread engaging sweep arm secured to that portion of the operating shaft disposed outside said casing.

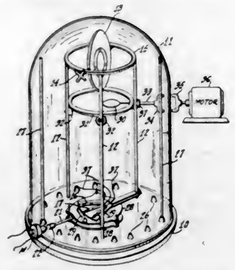
2,410,719
BEARING
Loring Pickering Crosman, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Original application August 7, 1942, Serial No. 454,025. Divided and this application July 19, 1943, Serial No. 495,324
2 Claims. (Cl. 308—6)



1. In a bearing, a horizontal unit comprising upper and lower spaced U-form channel bars having three track-surfaced arms intersecting at right angles and a member connecting and forming part of said bars, upper and lower spaced flat rails mounted upon an endwise shiftable carriage and having each upper and lower parallel track surfaces intersecting the lateral track surfaces thereof at right angles, said channel bars partially embracing said rails and constituting therewith upper and lower pairs of raceway members, and a U-form channeled spacer having the arms thereof intersecting at right angles located in each raceway and partially embracing the related rail, said channeled spacer having three slots in the arms thereof and three cylindrical

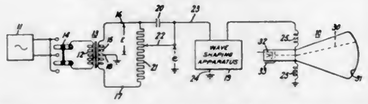
anti-friction rollers fitting therein and engaging the track surfaces of the related members, two of said rollers being parallel to each other and at right angles to the other one.

2,410,720
LENS COATING APPARATUS
Glenn Leslie Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application November 22, 1943, Serial No. 511,231
14 Claims. (Cl. 91—12.2)



1. In a vacuum coating apparatus, a work holder and plurality of evaporating means, means for selectively shifting each of the evaporating means into axial alignment with the work holder from the exterior of the device, and means for selectively actuating the evaporating means thus aligned.

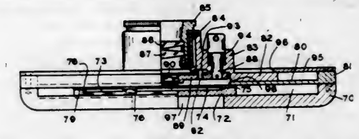
2,410,721
PHASE SHIFTING CIRCUIT
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 30, 1942, Serial No. 467,421
5 Claims. (Cl. 172—238)



1. In combination, a source of alternating voltage having a pair of output terminals balanced with respect to ground, a load connected between ground and one terminal of said source through a reactance, an impedance having two terminal connections, one of said terminal connections being connected to said source and said reactance and said one terminal and the other of said terminal connections being connected solely to the other of said terminals, and a contact connected to a point between said reactance and load and movable along said impedance to vary the phase of voltage supplied from said source to said load.

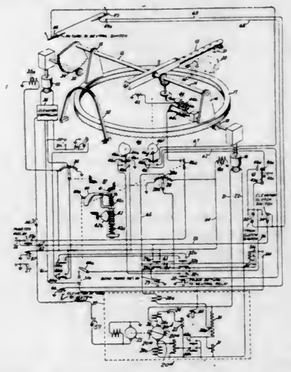
2,410,722
FILM VIEWING DEVICE
Clarence J. Eckert, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 31, 1944, Serial No. 520,457
8 Claims. (Cl. 88—39)

1. A film viewing device comprising a casing, having a wall formed with an opening providing a light passage; a film holder slidably mounted in said casing adjacent the opening in said wall; said film holder having guideways of different widths for receiving films of different widths; a cover plate for said casing; a slide member mounted in said cover plate for movement in a plane parallel to the plane of the illuminated film; a lens barrel fixed to said slide member; a lens system carried in said lens barrel for viewing the illuminated film; a slide member movably mounted in said first-named slide member; an auxiliary lens system mounted in said second-named slide member; means for moving said



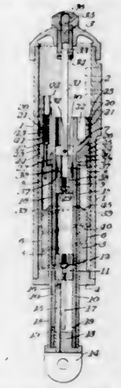
holder to position one of said films between the opening in said wall and said first-named lens system; means for moving said first-named slide member to position any selected portion of the illuminated film in the field of view of the first-named lens system; and means for moving said second-named slide member to position said auxiliary lens system with the axis thereof in alignment with the axis of said first-named lens system.

2,410,723
TURRET CONTROL SYSTEM
Martin A. Edwards, Scotia, and Charles F. Byrum, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application July 31, 1942, Serial No. 453,016
11 Claims. (Cl. 172—239)



11. A gun turret control system comprising a first drive unit for driving a member in train, a second drive unit for driving said member in elevation, each of said units comprising an electric motor, means for controlling the supply of voltage to said motor comprising a dynamoelectric machine provided with a control field winding, a device for producing a variable reference control voltage, a resistor connected across the armature circuit of said motor, and electrical connections for applying to said control field winding a voltage proportional to the difference of said reference voltage and a voltage across a predetermined portion of said resistor, a master controller having an element manually movable in one plane to actuate one of said reference voltage producing devices to effect rotation of said member in train and movable in a second plane to actuate the other of said reference voltage producing devices to effect rotation of said member in elevation, a speed controlling switch man-

ranged to be attached to one of the two elements between which the cushioning device is to be operatively interposed, a cap closing one end of the casing, a detachable head closing the other end of the casing, said head having an axial bore and an annular extension protruding inwardly of the casing and forming with the wall of the casing an annular chamber, a main piston working in the casing and provided with an axial bore and a tubular piston rod extending outwardly through the bore of the head, the outer end of the tubular



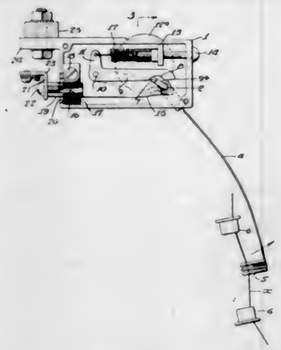
piston rod being arranged for attachment to the other of said elements, a pump piston working in the bore of the main piston and linked to the cap, valve means for the admission of atmospheric air into the tubular piston rod as the pump piston moves towards the head, said valve means closing as the piston moves in the opposite direction to compress the trapped air and admit to the chamber formed in the cap end of the casing by the main piston, and a cylindrical skirt depending from the main piston and working in the annular chamber.

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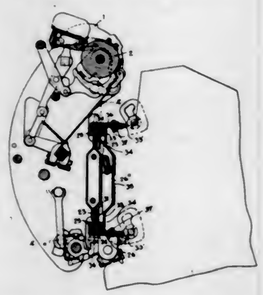
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element within said casing and engageable by a second arm of said bell-crank lever, a crank on the portion of the operating shaft disposed within said casing and engageable with one of said arms, and a thread engaging sweep arm secured to that portion of the operating shaft disposed outside said casing.

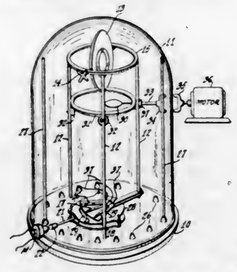
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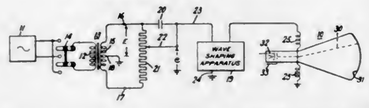
anti-friction rollers fitting therein and engaging the track surfaces of the related members, two of said rollers being parallel to each other and at right angles to the other one.

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Application November 22, 1943, Serial No. 511,231
14 Claims. (Cl. 91—12.2)



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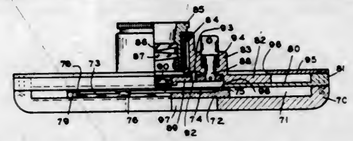
2,410,721
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5 Claims. (Cl. 172—238)



1. In combination, a source of alternating voltage having a pair of output terminals balanced with respect to ground, a load connected between ground and one terminal of said source through a reactance, an impedance having two terminal connections, one of said terminal connections being connected to said source and said reactance and said one terminal and the other of said terminal connections being connected solely to the other of said terminals, and a contact connected to a point between said reactance and load and movable along said impedance to vary the phase of voltage supplied from said source to said load.

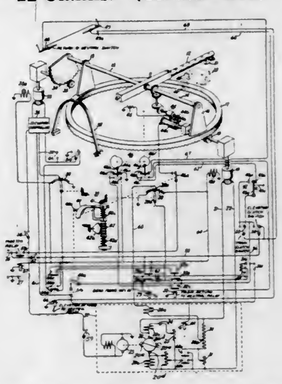
2,410,722
FILM VIEWING DEVICE
Clarence J. Eckert, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application January 31, 1944, Serial No. 520,457
8 Claims. (Cl. 88—39)

1. A film viewing device comprising a casing, having a wall formed with an opening providing a light passage; a film holder slidably mounted in said casing adjacent the opening in said wall; said film holder having guideways of different widths for receiving films of different widths; a cover plate for said casing; a slide member mounted in said cover plate for movement in a plane parallel to the plane of the illuminated film; a lens barrel fixed to said slide member; a lens system carried in said lens barrel for viewing the illuminated film; a slide member movably mounted in said first-named slide member; an auxiliary lens system mounted in said second-named slide member; means for moving said



holder to position one of said films between the opening in said wall and said first-named lens system; means for moving said first-named slide member to position any selected portion of the illuminated film in the field of view of the first-named lens system; and means for moving said second-named slide member to position said auxiliary lens system with the axis thereof in alignment with the axis of said first-named lens system.

2,410,723
TURRET CONTROL SYSTEM
Martin A. Edwards, Scotia, and Charles F. Byrum, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application July 31, 1942, Serial No. 453,016
11 Claims. (Cl. 172—239)



11. A gun turret control system comprising a first drive unit for driving a member in train, a second drive unit for driving said member in elevation, each of said units comprising an electric motor, means for controlling the supply of voltage to said motor comprising a dynamoelectric machine provided with a control field winding, a device for producing a variable reference control voltage, a resistor connected across the armature circuit of said motor, and electrical connections for applying to said control field winding a voltage proportional to the difference of said reference voltage and a voltage across a predetermined portion of said resistor, a master controller having an element manually movable in one plane to actuate one of said reference voltage producing devices to effect rotation of said member in train and movable in a second plane to actuate the other of said reference voltage producing devices to effect rotation of said member in elevation, a speed controlling switch man-

ually operable to alter said predetermined portions of said resistors to effect operation of said motors at high speed, a contour limit for said member, a limit switching device mounted to move with said member and to engage said contour limit when said member approaches an obstruction in its path, and means responsive to engagement of said limit switching device with said contour limit for actuating said speed controlling switch to reduce the speeds of said motors, for stopping said train drive motor and reversing the rotation of said elevation motor and for subsequently actuating said speed controlling switch to cause said elevation drive motor to elevate said member at high speed to clear said obstruction.

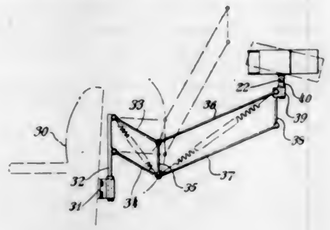
2,410,724
PROGRAM-SCHEDULING APPARATUS
Harold F. Elliott, Belmont, Mass.
Application May 18, 1945, Serial No. 594,569
16 Claims. (Cl. 161—1)



1. A program apparatus for setting up a predetermined schedule of a plurality of functions within a given time period comprising, a group of settable members, means for movably supporting said members, a group of member-setting devices, one of said groups corresponding in number to the number of time intervals in said time period and the other group corresponding in number to the number of functions, means for establishing an operative connection between each of said devices and any of said members to set the same, each of said devices having a different characteristic movement for moving an operatively connected member a different amount, and means responsive to the position of said members for determining the desired function-time interval.

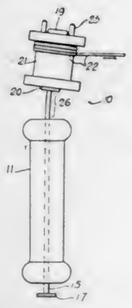
2,410,725
STEREOSCOPIC APPARATUS IN RELATION TO CINEMATOGRAPH REPRODUCTION AND TELEVISION
Alan Philip Franklin, Lower Kingswood, England
Application August 25, 1944, Serial No. 551,128
In Great Britain August 31, 1943
5 Claims. (Cl. 88—29)

1. Stereoscopic apparatus for viewing adjacent pictures at a distance, comprising, a viewing device having two sight openings and means for effecting fusion in the eyes of the viewer, of the images seen by his two eyes therethrough, and an adjustable fixture supporting said device, a socket member adapted to be secured to a fixed support, a vertical member pivotally mounted therein, a jointed frame pivoted thereto, for partial rotation in a vertical plane and having an horizontal joint permitting adjustment of the outer part of said frame in said plane towards



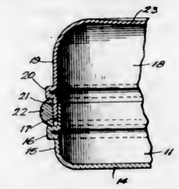
and away from said socket member, a vertical pin rotatably mounted in the outer part of said frame, and means for pivotally mounting said device upon said pin for angular adjustment relative thereto about an axis parallel to a line joining the centres of said sight openings.

2,410,726
FLYING PROPELLER TOY
Joseph L. Friedman, Manhasset, N. Y.
Application October 10, 1945, Serial No. 621,527
4 Claims. (Cl. 46—83)



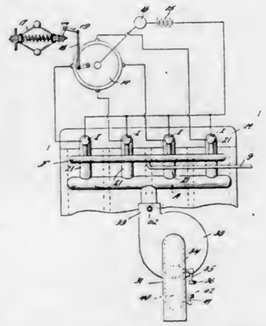
1. A toy including a propeller element, a rotatable element therefor, the elements having releasable interengaging means permitting the propeller element to travel away from its companion element when the latter causes rotation of the propeller element, a draw string element wound around the rotatable element for causing rotation thereof, a handle, a member having a stem portion on which the rotatable element is journaled, the member having a resilient elongated portion below the stem portion, the handle having a part having a longitudinal passage for slidably frictionally receiving the said resilient portion and reenforcing the same, with the resilient portion being axially movable to different degrees, at will, out of the said part whereby the resilient portion is adapted to be angularly laterally deflected with relation to the handle in response to a pull on the draw string for causing rotation of the rotatable element and travel of the propeller at variable angles, the said stem portion comprising a bearing for the rotatable element whereby the latter is held against movement along the member.

2,410,727
STOOL SEAT
Edward L. Furbish, Chicago, Ill.
Application July 23, 1945, Serial No. 606,640
2 Claims. (Cl. 155—178)



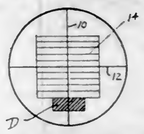
1. A stool seat comprising a lower member in substantially the form of a flat cylinder and an upper member in substantially the form of a flat cylinder, each of said cylinders having a peripheral flange near one end thereof, one of said cylinders having one end thereof open, the other of said cylinders having a portion thereof sufficiently smaller in diameter to be telescoped within said open end, and a band to encircle the portions of said cylinders between the flanges.

2,410,728
INTERNAL-COMBUSTION ENGINE
Ottavio Fuscaldo, Milan, Italy; vested in the Alien Property Custodian
Application January 30, 1941, Serial No. 376,679
In Italy February 28, 1940
4 Claims. (Cl. 123—119)



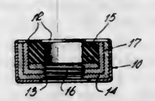
1. In an internal combustion engine having a supercharger with an air inlet duct supplying the supercharger, the combination of a main throttle in said air duct; an auxiliary throttle in said air duct; a stop limiting the opening movement of the main throttle; a manual lever with a yielding connection with the main throttle for opening the main throttle to the limit of its stop; a pressure-responsive capsule with an air-pipe connection with the supercharger to operate said capsule by variation of supercharge air pressure; connections from the capsule to the auxiliary throttle to move the auxiliary throttle toward open position with decrease of supercharge air pressure, and vice-versa; a shiftable stem connected with said auxiliary throttle, to open and close said auxiliary throttle, said stem being positioned in the path of movement of said lever; and means on said lever, co-acting with said stem, to shift said stem to open fully the auxiliary throttle after the lever has been moved to fully open the main throttle.

2,410,729
OPHTHALMIC TEST DEVICE
William H. Glazer, Philadelphia, Pa.
Application March 13, 1943, Serial No. 479,083
1 Claim. (Cl. 88—20)



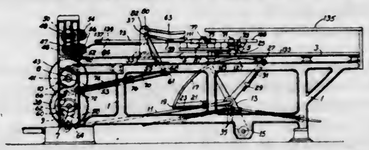
An ophthalmic test instrument comprising a test frame, said test frame having a vertically and horizontally movable disc holder for each eye, a pair of flat transparent discs mounted in said disc holders, each disc having thereon mutually perpendicular lines extending vertically and horizontally through the center of the disc, a plurality of spaced horizontally extending lines parallel to one center line, and an opaque block symmetrically positioned to each side of the vertical diameter and beneath and tangent to the lowermost horizontal line for the purpose of determining any inequality of position and motion of a pair of eyes.

2,410,730
SELF-LOCKING NUT
Childress B. Gwyn, Jr., Bannockburn, Ill., assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y., a corporation of New York
Application August 4, 1943, Serial No. 497,280
1 Claim. (Cl. 151—7)



In a self-locking nut, a cup-like metal casing of polygonal contour, a nut member in said casing and composed of a plurality of apertured metal laminae shaped to co-operate with the inner wall of said casing to prevent rotary movement of said nut member relative to said casing and having contacting flat plane surface portions, certain of said laminae having flanges reinforcing the casing wall, and apertured locking member in said casing in engagement with said nut member, means for retaining said nut and locking member in said casing, and threads formed on the laminae surface defining the nut bore.

2,410,731
BAG TURNER
Burton A. Hannewald, Joseph J. Lee, and James M. Wheatley, Indianapolis, Ind., assignors to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application November 8, 1945, Serial No. 627,402
10 Claims. (Cl. 223—39)



1. An improvement in a bag turner having a reciprocating carriage which reciprocates a pair of oppositely located turning sticks; comprising a

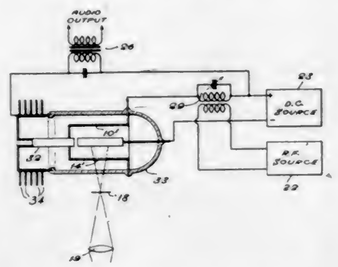
third turning stick loacted between said pair of sticks, bearing means on the carriage for supporting the third stick movably with respect to the carriage and parallel to its line of reciprocation, and means for moving said third stick relative to the carriage first so that its end is in advance of the ends of said pair of sticks and thereafter retracting with respect to the ends of said pair of sticks.

2,410,732

SENSITIVE PHOTOCELL AND CIRCUIT

Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 8, 1943, Serial No. 478,423
11 Claims. (Cl. 250—41.5)



5. A phototube secondary emission amplifier having within an evacuated envelope a photoemissive cathode which emits secondary electrons upon bombardment by primary electrons, an anode structure surrounding said cathode, said anode having an aperture and said envelope having a transparent portion registering with said aperture to enable light from an external source to strike said cathode, an electron collecting surface adjacent one end of said cathode and more closely spaced relative to said cathode than said anode structure, said electron collecting surface and said anode structure being integral with one another, a source of unidirectional potential connected between said anode and cathode for maintaining said anode and said electron collecting surface at a positive potential relative to said cathode, a tuned radio frequency circuit in shunt to said anode and cathode, a source of radio frequency current coupled to said tuned circuit for varying the electric field between said anode and cathode at a radio frequency rate, and means for producing a magnetic field having flux lines parallel to said cathode.

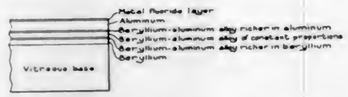
2,410,733

METHOD OF MAKING MECHANICALLY RESISTANT AND HIGHLY REFLECTING METALLIC FILMS

Clarence W. Hewlett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 6, 1943, Serial No. 478,269
1 Claim. (Cl. 117—35)

In the process of manufacturing mirrors the steps which comprise exposing a polished glass surface to a source of beryllium vapor to form on said surface a coating of beryllium capable of transmitting from 10 to 90 per cent of the light emitted by the source of said vapor, exposing said beryllium coated surface to said source of beryllium vapor and simultaneously to a source of aluminum vapor while gradually increasing the rate of vaporization of the aluminum until the proportions of beryllium and aluminum vapors are such as to deposit on said metal coated surface a beryllium-aluminum alloy of predetermined composition, thereafter gradually decreasing the rate of vaporization of beryllium until only aluminum vapor is condensed on the resulting metal coated



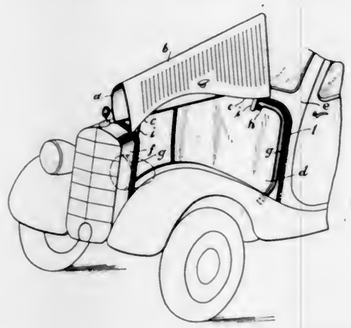
surface, heat treating the resultant product to develop the said beryllium-aluminum alloy structure, vapor-depositing a thin layer of magnesium fluoride on the aluminum coated surface and thereafter treating said magnesium fluoride-coated surface with a material selected from the class consisting of long chain fatty acids and the soluble alkali metal salts thereof capable of forming a hydrophobic layer on said composite film.

2,410,734

DEVICE FOR MOUNTING ENGINE HOODS ON MOTOR VEHICLES

Erwin Hitzelberger, Rohr, Germany; vested in the Alien Property Custodian

Application October 4, 1941, Serial No. 413,658
In Germany April 25, 1940
2 Claims. (Cl. 180—69)



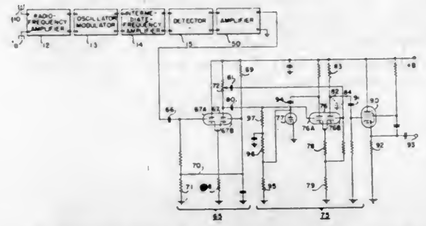
1. In a device to be used with a hinged hood for the engine of a motor vehicle provided with a radiator, to prevent damage to the parts of the vehicle adjacent the hood during opening and closing of the hood, the combination of a pair of trackways adjacent each side of the hood, one trackway of each pair being mounted on the vehicle body rearwardly of the hood, and the other trackway of each pair being mounted on the radiator of the engine forwardly of the hood; rollers mounted on the ends of the two outer edges of the hood, and received in said trackways, respectively; and sills on the vehicle body between the lower ends of the pair of trackways on each side of the body, respectively, each trackway being disposed substantially vertically and having at its upper end a socket in which its roller is seated when the hood is open, and at its lower end a portion curving inwardly from the outer edge of the body, whereby the rollers in the trackways press the lower edges of the hood against the sills when the hood is closed.

2,410,735

SIGNAL-TRANSLATING SYSTEM

David B. Hoisington, Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application August 15, 1944, Serial No. 549,615
11 Claims. (Cl. 250—27)



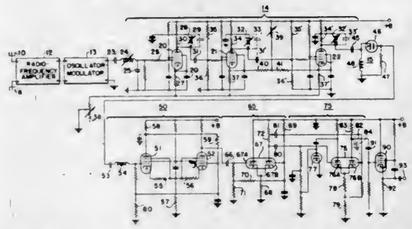
1. A signal-translating system for translating a signal which may include bidirectional amplitude variations with respect to a reference amplitude level comprising, a first repeater device responsive to amplitude variations of said signal in a given direction from said reference level and substantially less responsive to amplitude variations of said signal in the opposite direction from said reference level, a second repeater device responsive to bidirectional amplitude variations of said signal from said reference level, input and output circuits for said devices including an impedance common to the output circuit of said first device and to the input circuit of said second device so that signal variations in said first device tend to effect opposing signal variations in said second device, means for applying said signal with a given phase and intensity to said input circuit of said first device, means for applying said signal with the same phase but with substantially less than said given intensity to said input circuit of said second device, and means coupled to said output circuit of said second device for deriving an output signal from said system having amplitude variations which are determined by said variations of said applied signal but which are unidirectional with respect to a reference amplitude level corresponding to said reference level of said applied signal.

2,410,736

PULSE-MODULATED WAVE-SIGNAL RECEIVER

David B. Hoisington, Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application August 15, 1944, Serial No. 549,616
13 Claims. (Cl. 250—20)



1. A receiver for deriving desired modulation components of a received pulse-modulated carrier-frequency wave signal but subject to receive concurrently therewith an interfering wave signal of different frequency than the carrier frequency of said pulse-modulated signal comprising, a first signal-translating means including selector circuits for translating both of said received signals, detecting means included in said first signal-translating means effective in the absence of said interfering wave signal to derive said desired modulation components of said pulse-modulated signal and effective in the presence of said interfering signal with high intensity to derive from said received signals a heterodyne-component pulse-modulated signal having modulation components corresponding to said desired components, a second signal-translating means coupled to said detecting means and including selector circuits for translating said desired modulation components and said heterodyne-component pulse-modulated signal, rectifying means included in said second signal-translating means effective to derive said desired modulation components from said heterodyne-component pulse-modulated signal, and means coupled to said second signal-translating means for supplying said desired modulation components to a utilizing device.

2,410,737

METHOD OF CURING HYDROCARBON-SUBSTITUTED POLYSILOXANE RESIN COMPOSITIONS CONTAINING LEAD MONOXIDE

Alfred L. Jenny, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application August 11, 1944, Serial No. 549,125
10 Claims. (Cl. 260—37)

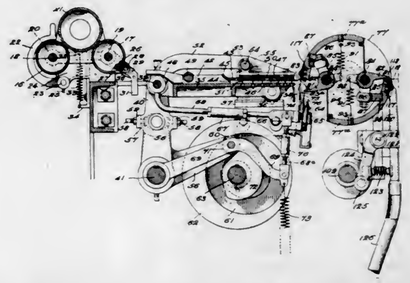
10. A composition of matter comprising a methyl polysiloxane resin containing an average of from 1.3 to 1.7 methyl groups per silicon atom, from 5 to 90 per cent by weight of lead monoxide based on the weight of the resin and, as a filler for said composition, magnesium titanate.

2,410,738

COMBER

Arthur Job, Providence, R. I., assignor to Sils Corporation, a corporation of Delaware

Application March 11, 1942, Serial No. 434,245
7 Claims. (Cl. 19—117)



4. In a comber of the kind described, the combination of means for gripping and intermittently feeding fibrous slivers, a hollow clamping roll located in receiving relation to said feeding means and provided with diametrically opposite peripheral openings, pivoted clamping members within said roll effective in said peripheral openings to clamp the advance ends of said slivers in connection with said roll, cam slides within said roll operatively associated with said clamping members and extending outwardly beyond said roll, operating means located exteriorly of said roll in

independent relation thereto, said cam slides being movable with said roll into periodic operative relation to said operating means for slidable operation thereby to pivotally adjust said clamping members to respective clamping and releasing positions in inverse relation, means for rotatively operating said roll to thereby tear fibrous beards from said slivers and advance said beards for release from said roll, and combing means located between said gripping and feeding means and said roll for combing said fibrous beards.

2,410,739
TRACKLAYING VEHICLE
Philip Henry Johnson, Hounslow, England, assignor to Roadless Traction Limited, Hounslow, England
Application September 18, 1943, Serial No. 502,983
In Great Britain August 25, 1942
2 Claims. (Cl. 305—10)

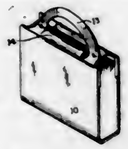


1. For track laying vehicles, a track comprising a plurality of links; means connecting certain pairs of adjacent links for enabling said so connected links to swing relatively to each other into the normal angular relationship; mutually engaging unyielding abutments, on said so connected links only, for preventing any such pair from swinging relatively to each other into reverse angular relationship; and means connecting other pairs of links to swing relatively to each other into both normal and reverse angular relationship, said other pairs of links being spaced at regular intervals throughout the length of the track.

2,410,740
PREPARATION OF LACTATES
John Leslie Jones, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application April 1, 1944
Serial No. 529,215
5 Claims. (Cl. 260—484)

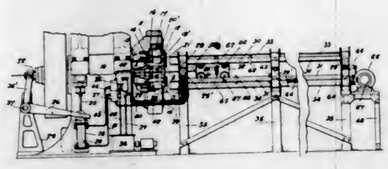
1. A method of preparing the esters of lactic acid with allyl, crotyl, alpha-methyl allyl, methallyl, beta-chloro allyl, beta-methyl crotyl, ethyl, propyl, isopropyl, primary butyl, secondary butyl and isobutyl alcohols that comprises reacting one of said alcohols, in the presence of an alkoxide of a metal as a catalyst, with the anhydrous distillation residue remaining after the production of a lactate from one of said alcohols by esterification with lactic acid.

2,410,741
BOOK COVER
Isadore Lawrence Lesavoy, Allentown, Pa.
Application November 10, 1945, Serial No. 627,887
6 Claims. (Cl. 224—47)



1. A book cover and carrier comprising a sheet of material folded inwardly adjacent its ends along transverse lines to form cover flaps, and a handle cut from at least one of said flaps and integral with the sheet, said handle extending outwardly in the direction opposite the inward folding of the cut flap.

2,410,742
POWER-DRIVEN BAR-SWAGING MACHINE
Archibald Park Newall, Glasgow, Scotland
Application July 7, 1944, Serial No. 543,875
In Great Britain July 17, 1943
3 Claims. (Cl. 78—20)

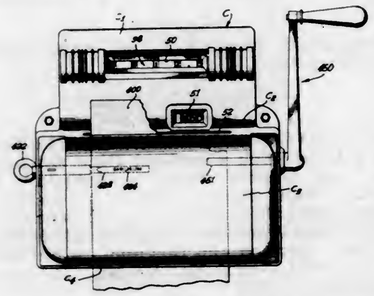


1. In a bar-swaging machine of the rotary head type, with die members adapted to impact the circumference of bar-stock fed axially of said head whereby to swage the said bar-stock to reduced diameter, the combination of bar-feeding mechanism including a carriage, means for moving said carriage parallel to the axis of said head, a chuck fitted to said carriage and engageable with said bar-stock, wedge members shiftable to render the dies operative or inoperative, an endwise movable hollow shaft coaxial with said bar-stock and operatively connected to said wedge devices to shift said wedge devices from die-operative position to die-inoperative position, a hydraulic device for effecting axial movement of said hollow shaft, said hydraulic device consisting of a hydraulic ram including a cylinder, a piston movable in said cylinder, a piston rod fixed to said piston and operatively connected with said hollow shaft, a pump unit having a pipe connection to said hydraulic ram, a reversing valve intercalated in the pipe connection between said pump and said ram, to control the operation of said ram, a double-armed lever unitary with said valve, a pair of endwise movable rods extending in parallelism with the track of the carriage and connected to the arms of said lever, and means on said carriage operable in the travel of said carriage to move said rods alternately in opposite directions to reverse said valve.

2,410,743
COST COMPUTING METER
William J. Pearson, Los Angeles, Calif.
Application March 5, 1943, Serial No. 478,157
33 Claims. (Cl. 235—61)

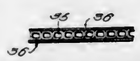
1. In a device of the character described, the combination of: a unit counter including rotatable counter wheels and means to rotate said wheels, a second counter including rotatable counter wheels and means to rotate said wheels, a moving element common to both counters, gears adapted to operatively connect the moving element with the means to rotate the unit counter wheels, and a computing mechanism operatively connecting the moving element with the means to rotate the second counter wheels at a speed varying from the speed of the unit counter wheels, said computing mechanism including means altering the speed ratio between the unit counter wheels and the second counter wheels,

in which said last named means comprises a plurality of rotatable members connected with the moving element common to both counters for simultaneous rotation at different speeds, driving connections between said rotatable members and the means to rotate the second counter wheels to rotate the latter, and a selector mechanism actuated by the unit counter to selectively render a given driving connection operative, the selector mechanism comprising a slidable bar adjacent



the unit counter wheels formed with projections and slots, notched discs mounted for rotation with the unit counter wheels, the projections on the bar being adapted to enter the notches in the disc at successive stages of rotation and permit the bar to slide, and latches on the said driving connections adapted to hook on to the said bar to render the driving connections inoperative and to be released in turn through the slots on the bar to render successive driving connections operative as the bar slides to a new position.

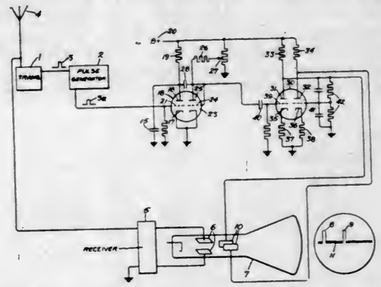
2,410,744
PLASTIC PRODUCT
Milton A. Powers, Detroit, Mich.
Original application November 10, 1938, Serial No. 239,859, now Patent No. 2,316,749, dated April 13, 1943. Divided and this application April 12, 1943, Serial No. 482,762
5 Claims. (Cl. 154—45)



1. In a product formed from molten glass tubing, a plurality of hollow pillow-shaped elements joined together by substantially full surface fusion of their contiguous mated edges and sealed apart by these surfaces of joinder, said pillows having substantially flat side surfaces and substantially flattened edges.

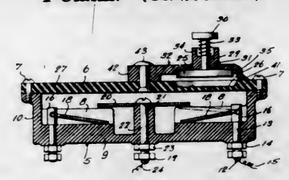
2,410,745
SWEEP CIRCUIT
Donald W. Pugsley, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 20, 1942, Serial No. 466,266
2 Claims. (Cl. 315—29)

1. A saw-tooth sweep circuit comprising, a condenser to be charged to a saw-tooth voltage, a pair of charging resistances, one of the resistances being connected to the high side of the condenser and the other of the resistances being connected to the low side of the condenser through a rectifier and to the high side of said first condenser through a second condenser, said rectifier being poled to conduct at a predetermined charge, and to prevent further charging,



of the first condenser, and keying means for periodically discharging said first condenser.

2,410,746
MAGNETICALLY OPERATED SWITCH
Adele S. Raettig, Hoboken, N. J.
Application September 2, 1942, Serial No. 456,992
1 Claim. (Cl. 200—87)

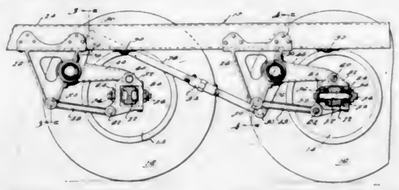


In a switch, in combination, an insulating hollow casing, radially extending partitions situated within said casing and dividing the interior thereof into a plurality of segment-like compartments, terminals located within said compartments close to the outer walls thereof, comparatively wide plate-like magnetizable conducting members located within said compartments, said terminals comprising means pivotally supporting the outer ends of said plate-like members at a distance from the bottom of said compartments, whereby said plate-like members are downwardly inclined in the direction toward the common center of said compartments in the inoperative positions of said plate-like members, a central terminal carried by said casing substantially in the middle thereof and extending above the inner ends of said plate-like members, an insulating cover mounted upon said casing and having a plurality of radial recesses formed therein, said recesses being narrower than said plate-like members and being located directly above them, a permanent magnet fitting into said recesses, an arm mounted upon said cover and rotatable over said recesses, and means carried by said arm and carrying said magnet for moving said magnet into and out of any of said recesses, whereby said magnet may raise the inner end of any plate-like member located below it into engagement with said central terminal.

2,410,747
TANDEM AXLE VEHICLE
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application September 24, 1945, Serial No. 618,201
12 Claims. (Cl. 280—104.5)

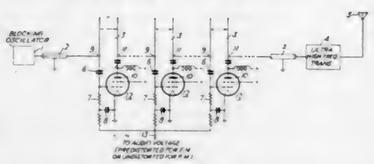
1. In combination with a vehicle having a frame and a pair of parallel axles spaced longi-

tudinally of the vehicle from each other and extending transversely of the length of such vehicle, a lever connected at one end to the outer end portion of each of said axles and extending forwardly therefrom, means pivotally mounting the forward ends of each of said levers with respect to said frame about axes parallel with said axles, an arm secured relative to one of said levers on



each side of said vehicle and projecting upwardly therefrom, a second arm secured with respect to the remaining lever on each side of said vehicle and projecting downwardly therefrom, a tension rod interconnecting the free ends of said arms on the same side of said vehicle and a torsionally yieldable element interposed between one of said levers on each side of vehicle and the corresponding of said arms.

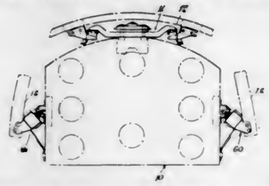
2,410,748
PULSE TRANSMITTER
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 1, 1942, Serial No. 453,170
11 Claims. (Cl. 250—17)



1. In a transmission system, a source of non-sinusoidal wave pulses, a transmission line connected to said source for feeding said pulses to a load, means for relatively displacing the positions of said pulses on said line comprising a phase shifting circuit shunted across said line, a vacuum tube excited from said phase shifting circuit, and a connection from the output of said tube to said line at a point displaced along said line from the point of connection of said phase shifting circuit, whereby the energy component of anode current fed into said lines reduces the energy losses of said waves traveling along said line while the energyless component acts effectively to shift the position of said wave along said line.

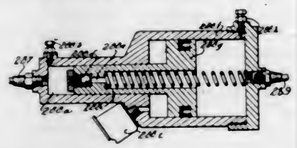
2,410,749
INSTRUMENT PANEL MOUNT
Cecil S. Robinson, New York, N. Y., assignor of one-half to Dorothy H. Robinson, New York, N. Y.
Application November 2, 1944, Serial No. 561,605
7 Claims. (Cl. 248—358)

1. A device for supporting an instrument against vibration in a framework including bracket means adapted to engage said framework, resilient members mounted on said bracket means, a sub-assembly mounted on said resilient members, additional resilient members positioned on said sub-assembly, a second sub-assembly positioned on said second mentioned resilient mem-



bers and having means mounted thereon to support said instrument.

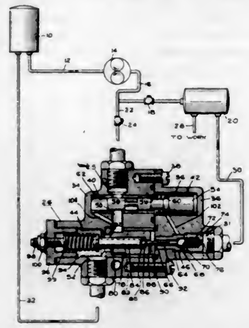
2,410,750
HIGH- TO LOW-PRESSURE CONVERTER
Edward A. Rockwell, Cleveland, Ohio, assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Original application January 4, 1940, Serial No. 312,356, now Patent No. 2,331,800, dated October 12, 1943. Divided and this application February 17, 1943, Serial No. 476,248. In Canada December 30, 1945
13 Claims. (Cl. 60—54.6)



1. A pressure transformer comprising a hydraulic inlet, a hydraulic outlet line, a manually controlled member comprising a small piston and a large piston connected together for forcing liquid through said outlet line, a supply reservoir for said member and an unloader valve, seating in the same direction with the inlet and mounted in a passageway extending through said pistons to prevent by seating the flow of fluid from the inlet through said passageway and adapted to discharge the liquid from said line to said reservoir, operatively connected to the manually controlled member.

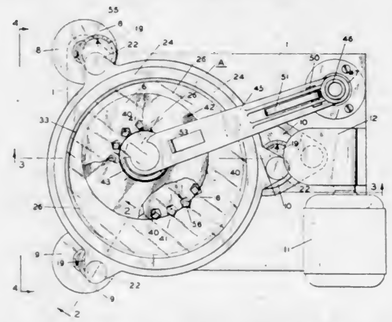
2,410,751
PRESSURE ACTUATED VALVE
Harold B. Schultz, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 3, 1942, Serial No. 445,629
2 Claims. (Cl. 137—153)

1. A regulator valve comprising an inlet, outlet and control ports, a passageway connecting the inlet port to the outlet port, a first valve normally spring-biased to close the passageway and responsive to a predetermined pressure in the control port to cause the valve to move to a position to open the passageway, a second valve in the passageway urged toward closed position by the pressure in the control port and toward open position by pressure in the passageway when the first valve is open, a valve seat in the second valve, means for controlling the control port pressure which tends to close the second valve comprising a third valve seated in the second valve and having an area subject to pressure from the control port for unseating the same, a transverse passage in the third valve adjacent the seat and disposed on the side thereof opposite from the area subject to control port pressure, a second passage in the third valve connecting the transverse passage to the outlet to release the pressure urging the second valve to-



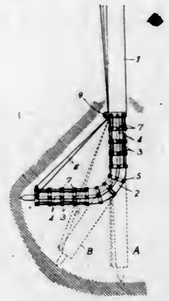
ward closed position when the third valve is unseated, whereby a differential pressure is created across the second valve.

2,410,752
LAPPING MACHINE
Gale Sells, Kenneth C. Johnson, and Lee Black, Portland, Oreg., assignors to G. G. Campbell and B. H. Stroback, doing business as Radio Specialty Manufacturing Company, Portsmouth, Oreg.
Application October 26, 1945, Serial No. 624,650
5 Claims. (Cl. 51—161)



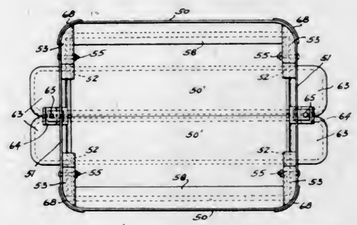
1. A lapping machine including a base, upper and lower lapping rings mounted in substantially fixed relation on the base, rotating supports on the base, a supporting ring underlying the lapping rings and driven eccentrically by the supports, a tension ring connected to the supporting ring, a carrier sheet formed with openings and extending beyond the lapping rings, the extended portions of the carrier sheet being secured between the supporting ring and tension ring, a floating ring carried by the tension ring and bearing beneath the carrier sheet between the lapping rings and the edge support of the carrier sheet, said tension ring bearing beneath the carrier sheet adjacent the edge support thereof and adjustable to exert an upward pressure upon the carrier sheet throughout the full circumferential length thereof, to maintain a stretching tension on the carrier sheet when being moved between the lapping rings during the lapping operation, and means for imparting motion to one of the supports to compel a gyratory movement of the carrier sheet and elements secured in the holes therein relative to the lapping rings.

2,410,753
DRILLING DEVICE
Shigeru Shinomiya, Tokyo, Japan; vested in the Alien Property Custodian
Application June 26, 1941, Serial No. 399,917
In Japan June 29, 1940
1 Claim. (Cl. 255—19)



In a drilling device, the combination of a flexible pipe; a plurality of collars mounted on said pipe in relatively spaced relation longitudinally of the pipe, and provided peripherally with radially extending pins; rigid links mounted on said pins to connect said collars, the collars on two non-adjacent portions of said pipe being connected by a plurality of links, two of which links are on diametrically opposite sides of said pipe, the remaining links being disposed at points on the circumference of said pipe intermediate said two links, the disposition of said links being such as to render inflexible the said two portions of the pipe, and the collars on the portion of the pipe intermediate said two non-adjacent portions being connected by only pairs of links on diametrically opposite sides of the pipe respectively thereby rendering flexible said intermediate portion of the pipe; means for bending said intermediate portion; and a drilling element mounted at the free end of said pipe.

2,410,754
SELF-DUMPING PAN
Gilbert Smith, Fayetteville, W. Va.
Application August 17, 1942, Serial No. 455,091
11 Claims. (Cl. 298—4)

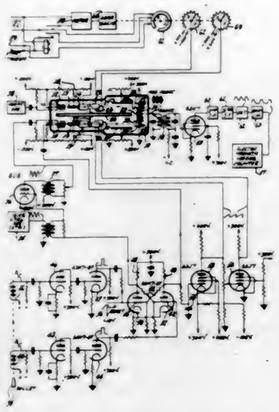


1. A mine scoop including side and end walls, and a bottom, said bottom including hinged sections, the outer sections of said bottom being swingingly suspended by hangers the upper ends of which are pivoted to supports located intermediate the vertical height of said end walls, and deflector plates in said scoop forming with said side walls compartments to receive said outer swinging bottom sections when in their elevated position.

2,410,755
MEASURING SYSTEM

John P. Smith, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 25, 1944, Serial No. 546,543
10 Claims. (Cl. 161—15)

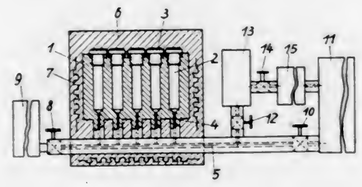


1. The combination of means for forming an electron beam, means for subjecting said beam to high frequency impulses, a plurality of conductive elements electrically insulated from one another, and means responsive to control impulses separated by predetermined time intervals for operating said beam to establish on said elements electrical charges which are separately positioned to represent instantaneous values of successive half-cycles of said high frequency impulses, and means including said beam-forming means for dissipating said charges at a rate which is low with respect to the rate at which said high frequency impulses follow one another.

2,410,756
PROCESS FOR IMPREGNATING CONDENSERS

Berthold Springer, Berlin W. 30, Germany; vested in the Alien Property Custodian

Application November 13, 1939, Serial No. 304,193
In Germany November 19, 1938
5 Claims. (Cl. 117—65)

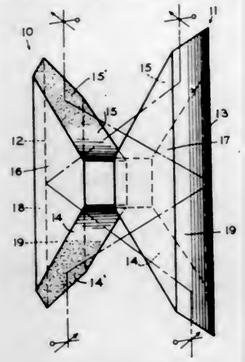


1. The process for impregnating electrical apparatus with insulation material solid at normal temperature and pressure, which comprises essentially, impregnating the apparatus with the insulation material and bringing the material by application of heat and pressure to substantially that volume which is the normal volume for the material at normal atmospheric pressure and temperature, and then cooling the impregnating material isochorically.

2,410,757
OPTICAL PRISM SYSTEM

Donald T. Street, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application December 15, 1945, Serial No. 635,176
10 Claims. (Cl. 88—33)

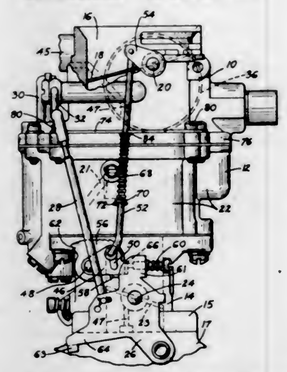


1. A prismatic reversing system comprising a pair of spaced, oppositely positioned roof prisms each having a roof portion comprising mutually cooperating reflecting faces for reversing similar images, each of said prisms having entrance and exit faces angularly disposed relative to each other and to the roof of an opposed prism, said prisms being positioned with their entrance and exit faces in opposed relation so that incoming light rays incident on an entrance face of either of the prisms are reflected to the roof of the other prism and reflected by the last-named roof to the exit face of the first-named prism, said last-named face reflecting the light outwardly of the prism system.

2,410,758
CARBURETOR

Albert L. Thompson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 20, 1942, Serial No. 451,548
12 Claims. (Cl. 261—39)

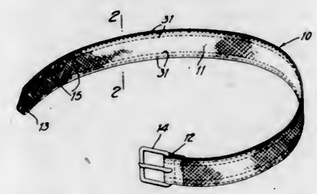


1. In a carburetor: an air inlet; an unbalanced choke valve controlling said inlet; a mixture outlet; a throttle shaft; a throttle valve on said shaft, for controlling the mixture outlet; a thermostat controlling the choke valve and adapted to close same when the temperature is low; a piston responsive to suction posterior to the throttle valve and adapted to modify the action of the thermostat; fast idle mechanism including a movable member; means connected with the throttle shaft and adapted to hold the movable member against movement when the throttle and choke valves are substantially closed; a lost motion connection between the choke valve and said movable member adapted to permit movement of the choke valve relative to said member when the latter is held against movement, said movement of the choke valve being positively limited to a predetermined range; and a spring tending to urge the choke valve toward open position whenever said choke valve is in a substantially closed position and the throttle is open beyond the idling position.

2,410,759
BELT

Arthur Saller, New York, N. Y.

Application May 12, 1944, Serial No. 535,273
3 Claims. (Cl. 2—338)



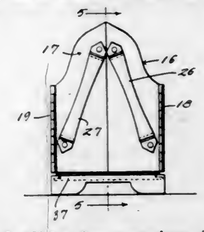
1. The method of making a belt which consists in providing a length of fabric material, placing a flat stiffener element having a pointed end upon the inner side of the fabric material, folding one of the longitudinal edges of the fabric material over said stiffener element and stitching the same thereto along the length thereof, folding the remaining portion of the fabric material outwardly upon itself to provide two thicknesses of material, trimming the ends of the two thicknesses of material to the pointed shape of the stiffener element stitching the two thicknesses of material and stiffener element together along the edges of the pointed end thereof and the corresponding shaped end portion of the fabric material, reversely folding the previously out-folded portion of the fabric material inwardly over the stiffener element and simultaneously reversing the stitched pointed end of the stiffener element and fabric material, folding the free longitudinal edge of the fabric material inwardly against the previously infolded longitudinal edge thereof, and finally stitching the longitudinal edges of the folded fabric material and pointed ends thereof to said stiffener element.

2,410,760
JEWELRY BOX

Samuel Trachtenberg, Cleveland, Ohio

Application July 6, 1945, Serial No. 603,562
5 Claims. (Cl. 312—186)

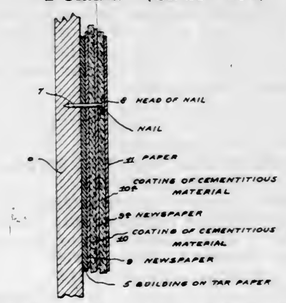
5. A jewelry box comprising an upstanding housing open at the front thereof, said housing including a bottom wall extending forwardly from the forward edges thereof, a pair of closures carried by the front of said housing, a pair of guides carried by the side walls of said housing spaced above said bottom wall, a second pair of guides carried by the extended portion of said bottom wall forwardly of said first pair of guides, a slide formed with a rear part slidably engaging said first named guides and with a downwardly offset forward part slidably engaging said second named guides, and means carried by said closures and said slide for moving the latter on the guides upon opening or closing of said closures.



2,410,761
METHOD OF MAKING HEAT-RESISTANT CEMENTITIOUS MATERIAL

Anthony Tropiano, East Portchester, Conn.

Application July 19, 1944, Serial No. 545,724
1 Claim. (Cl. 25—154)



The method of making cementitious material which comprises mixing cement, fibered plaster, and water together in predetermined proportions to form a paste, shaping said paste into predetermined form and permitting it to set, surface-wetting said set material, subjecting said surface-wet material to the action of oven heat of at least twenty-three hundred and fifty degrees Fahrenheit for a time-period of fifteen minutes, removing said material from the action of said heat at the end of said time-period, rewetting said material, subjecting said rewet material to the action of oven heat at the same temperature for a second time-period of fifteen minutes, removing said material from the action of said heat at the end of said second time-period, again wetting said material, subjecting said again-wet material to the action of oven heat at the same temperature for a third time-period of fifteen minutes, removing said material from the action of said heat at the end of said third time-period, and permitting said material to cool.

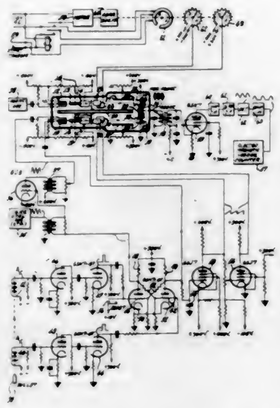
2,410,762
AIR BLAST NOZZLE DEVICE FOR ENROBERS OR CHOCOLATE COATING MACHINES AND THE LIKE

Allan Ashmead Tunley, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, Northampton, England

Application October 19, 1943, Serial No. 506,894
In Great Britain September 3, 1942
4 Claims. (Cl. 91—2)

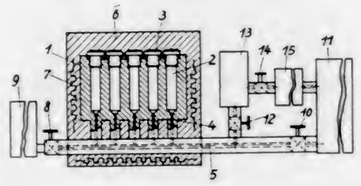
4. Air blast nozzle means for an enrober comprising an air supply duct, a nozzle coupled to said

2,410,755
MEASURING SYSTEM
John P. Smith, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 25, 1944, Serial No. 546,543
10 Claims. (Cl. 161—15)



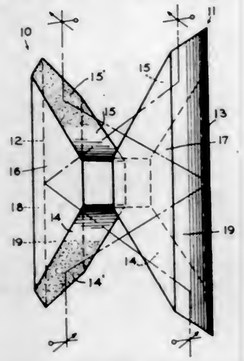
1. The combination of means for forming an electron beam, means for subjecting said beam to high frequency impulses, a plurality of conductive elements electrically insulated from one another, and means responsive to control impulses separated by predetermined time intervals for operating said beam to establish on said elements electrical charges which are separately positioned to represent instantaneous values of successive half-cycles of said high frequency impulses, and means including said beam-forming means for dissipating said charges at a rate which is low with respect to the rate at which said high frequency impulses follow one another.

2,410,756
PROCESS FOR IMPREGNATING CONDENSERS
Berthold Springer, Berlin W. 30, Germany; vested in the Alien Property Custodian
Application November 13, 1939, Serial No. 304,193
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5 Claims. (Cl. 117—65)



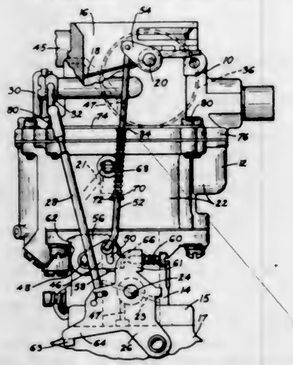
1. The process for impregnating electrical apparatus with insulation material solid at normal temperature and pressure, which comprises essentially, impregnating the apparatus with the insulation material and bringing the material by application of heat and pressure to substantially that volume which is the normal volume for the material at normal atmospheric pressure and temperature, and then cooling the impregnating material isochorically.

2,410,757
OPTICAL PRISM SYSTEM
Donald T. Street, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application December 15, 1945, Serial No. 635,176
10 Claims. (Cl. 88—33)



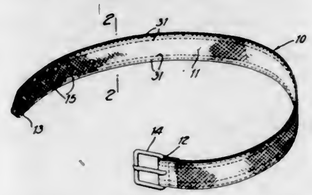
1. A prismatic reversing system comprising a pair of spaced, oppositely positioned roof prisms each having a roof portion comprising mutually cooperating reflecting faces for reversing similar images, each of said prisms having entrance and exit faces angularly disposed relative to each other and to the roof of an opposed prism, said prisms being positioned with their entrance and exit faces in opposed relation so that incoming light rays incident on an entrance face of either of the prisms are reflected to the roof of the other prism and reflected by the last-named roof to the exit face of the first-named prism, said last-named face reflecting the light outwardly of the prism system.

2,410,758
CARBURETOR
Albert L. Thompson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 20, 1942, Serial No. 451,548
12 Claims. (Cl. 261—39)



1. In a carburetor: an air inlet; an unbalanced choke valve controlling said inlet; a mixture outlet; a throttle shaft; a throttle valve on said shaft, for controlling the mixture outlet; a thermostat controlling the choke valve and adapted to close same when the temperature is low; a piston responsive to suction posterior to the throttle valve and adapted to modify the action of the thermostat; fast idle mechanism including a movable member; means connected with the throttle shaft and adapted to hold the movable member against movement when the throttle and choke valves are substantially closed; a lost motion connection between the choke valve and said movable member adapted to permit movement of the choke valve relative to said member when the latter is held against movement, said movement of the choke valve being positively limited to a predetermined range; and a spring tending to urge the choke valve toward open position whenever said choke valve is in a substantially closed position and the throttle is open beyond the idling position.

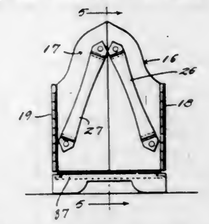
2,410,759
BELT
Arthur Saller, New York, N. Y.
Application May 12, 1944, Serial No. 535,273
3 Claims. (Cl. 2—338)



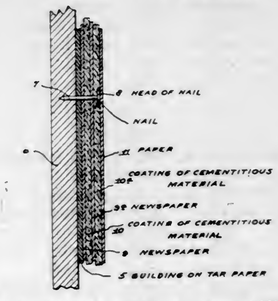
1. The method of making a belt which consists in providing a length of fabric material, placing a flat stiffener element having a pointed end upon the inner side of the fabric material, folding one of the longitudinal edges of the fabric material over said stiffener element and stitching the same thereto along the length thereof, folding the remaining portion of the fabric material outwardly upon itself to provide two thicknesses of material, trimming the ends of the two thicknesses of material to the pointed shape of the stiffener element stitching the two thicknesses of material and stiffener element together along the edges of the pointed end thereof and the corresponding shaped end portion of the fabric material, reversely folding the previously out-folded portion of the fabric material inwardly over the stiffener element and simultaneously reversing the stitched pointed end of the stiffener element and fabric material, folding the free longitudinal edge of the fabric material inwardly against the previously infolded longitudinal edge thereof, and finally stitching the longitudinal edges of the folded fabric material and pointed ends thereof to said stiffener element.

2,410,760
JEWELRY BOX
Samuel Trachtenberg, Cleveland, Ohio
Application July 6, 1945, Serial No. 603,562
5 Claims. (Cl. 312—186)

5. A jewelry box comprising an upstanding housing open at the front thereof, said housing including a bottom wall extending forwardly from the forward edges thereof, a pair of closures carried by the front of said housing, a pair of guides carried by the side walls of said housing spaced above said bottom wall, a second pair of guides carried by the extended portion of said bottom wall forwardly of said first pair of guides, a slide formed with a rear part slidably engaging said first named guides and with a downwardly offset forward part slidably engaging said second named guides, and means carried by said closures and said slide for moving the latter on the guides upon opening or closing of said closures.



2,410,761
METHOD OF MAKING HEAT-RESISTANT CEMENTITIOUS MATERIAL
Anthony Tropiano, East Portchester, Conn.
Application July 19, 1944, Serial No. 545,724
1 Claim. (Cl. 25—154)

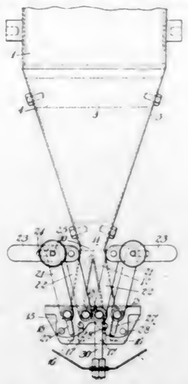


The method of making cementitious material which comprises mixing cement, fibered plaster, and water together in predetermined proportions to form a paste, shaping said paste into predetermined form and permitting it to set, surface-wetting said set material, subjecting said surface-wet material to the action of oven heat of at least twenty-three hundred and fifty degrees Fahrenheit for a time-period of fifteen minutes, removing said material from the action of said heat at the end of said time-period, rewetting said material, subjecting said rewet material to the action of oven heat at the same temperature for a second time-period of fifteen minutes, removing said material from the action of said heat at the end of said second time-period, again wetting said material, subjecting said again-wet material to the action of oven heat at the same temperature for a third time-period of fifteen minutes, removing said material from the action of said heat at the end of said third time-period, and permitting said material to cool.

2,410,762
AIR BLAST NOZZLE DEVICE FOR ENROBERS OR CHOCOLATE COATING MACHINES AND THE LIKE
Allan Ashmead Tunley, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, Northampton, England
Application October 19, 1943, Serial No. 506,894
In Great Britain September 3, 1942
4 Claims. (Cl. 91—2)

4. Air blast nozzle means for an enrober comprising an air supply duct, a nozzle coupled to said

duct and comprising a pair of plates hinged to said duct on spaced transverse axes, each plate being rigidly connected to one end of a lever, the other ends of said levers being pivotally at-



tached to a displaceable bar for manipulating the plates and adjusting them for altering the direction of the angle of the blast, said levers being adjustably connected to the bar for enabling the nozzle opening to be varied.

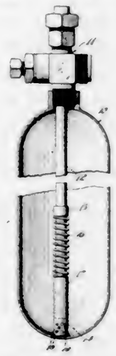
2,410,763

VIBRATION PREVENTING SYPHON TUBE SUPPORT

Arthur W. Uhl, Inwood, Long Island, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey

Application October 21, 1942, Serial No. 462,875

1 Claim. (Cl. 222—464)



The combination comprising a container for a fluid medium under pressure, said container having a discharge opening at one end thereof and a closed end wall at an opposite end thereof, a valve having a body portion in said opening, a relatively long tubular member having one end secured to said body portion of said valve and having a free end spaced a relatively short distance from said end wall, a collar secured to the exterior of said tubular member at a point between said ends of said tubular member but nearer said free end and providing an outwardly extending shoulder, a relatively short tubular member slidably mounted on said first tubular member in telescoping relation therewith at said free end and having an end engaging said end wall, said second tubular member having fluid conducting means in the side thereof, and a spring mounted on and coiled around said first tubular member, said spring having one end engaging said shoulder and having its other end engaging the other end of said second tubular member, whereby the first mentioned end of said second tubular member is urged against said end wall to hold said first tubular member against vibration.

2,410,764

THREE TONE FABRIC AND METHOD FOR MAKING SAME

George V. Uihlein, Worcester, Mass., assignor to M. J. Whittal Associates Inc., Worcester, Mass., a corporation

Application March 8, 1946, Serial No. 652,851

22 Claims. (Cl. 139—391)



1. A three tone pile fabric having on one of its surfaces, adjacent first, second and third tone areas; the first tone area comprising rows free of pile material and rows of uncut pile loops, in alternate relation; the loops of successive pile rows of the first tone area being in contact; the second tone area comprising rows free of pile material and rows of tufts of few strands each, in alternate relation; the tufts of successive pile rows of the second tone area being in contact; the third tone area comprising rows of uncut pile loops and rows of tufts of few strands each, in alternate relation; all pile tufts being relatively high; all uncut pile loops being relatively low; all successive rows of the respective tone areas being adjacent each other and all pile material being of a single color.

2,410,765

DEVICE FOR DREDGING GRAVEL OR THE LIKE

Kurt von Hagen, Wissel, near Kleve, Germany; vested in the Alien Property Custodian

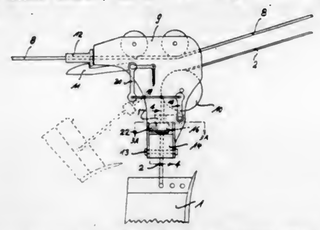
Application March 8, 1941, Serial No. 382,443

In Germany March 8, 1940

5 Claims. (Cl. 37—117)

1. In a hoisting device, the combination of a trackway, a sheave pulley, a support for said pulley mounted on said trackway, a pull cable passing upwardly and over said pulley, means on the lower end of said cable for supporting a load, means on said support for preventing reverse movement of said cable when said load has been lifted by said cable to a predetermined position relative to said support, and means co-

operating with said reverse movement prevention means for releasably resisting lateral movement of said cable, said resisting means permit-



ting lateral release of said cable from said reverse movement prevention means upon the exertion of lateral pressure by said cable upon the resisting means.

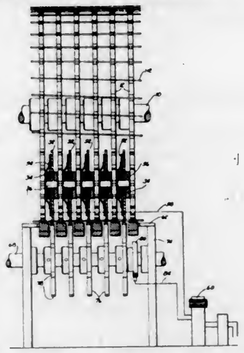
2,410,766

APPARATUS FOR FABRICATING WELDED WIRE FABRIC

Theodore Harry Wickwire, Jr., Ardmore, Pa., assignor to Theodore Harry Wickwire, Jr., Sophie H. Wickwire, Roma A. Wickwire, and Hedge Wickwire, doing business as a copartnership under the name of Theowick Company, Philadelphia, Pa.

Application June 18, 1943, Serial No. 491,270

11 Claims. (Cl. 140—112)



1. In a machine for fabricating welded wire fabric, a plurality of pairs of welding wheels, means for feeding a wire strand between the wheels of each pair, said pairs of welding wheels being in alignment on a line extending at right angles to said strands, and means for successively placing transverse wires across said strands and between the wheels of said pairs at an angle to said strands differing from 90°, whereby a transverse wire is between wheels of different pairs at different instants.

2,410,767

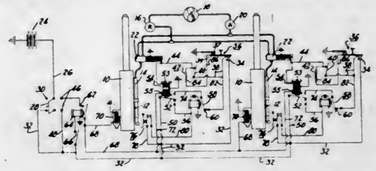
AUTOMATIC MACHINE GUN CHARGER

Franklin O. Wisman and William C. Rohn, South Bend, Ind., assignors to Bendix Aviation corporation, South Bend, Ind., a corporation of Delaware

Application June 11, 1943, Serial No. 490,458

5 Claims. (Cl. 89—1)

1. A gun charging apparatus for retracting the breech bolt of a gun to charge the same comprising a fluid pressure motor adapted to be mounted on the gun and constructed and arranged to engage the breech bolt, an electrical system including a source of current and a first and a second circuit, a switch constructed and arranged for connecting said source of current to the first and second circuits, an electrically operated valve in the second circuit for controlling the fluid under pressure to the motor, a time delay relay, a normally closed means connecting said time delay relay to the second circuit, a normally open means in the second circuit adapted to be mounted on the gun and constructed and arranged to be closed by the breech bolt when retracted for connecting said time delay relay to the second circuit, a compound relay in the first and second circuits, a trigger switch in the second



circuit, and means in the second circuit responsive to closing of the trigger switch for closing the first circuit to energize the compound relay, said compound relay being constructed and arranged so that when it is energized it will open the normally closed means connecting the second circuit to said time delay relay and tend to connect the valve and compound relay to said second circuit, whereby a charging cycle once initiated will be completed irrespective of the position of the trigger switch, said time delay relay being constructed and arranged to disconnect said compound relay and said valve from the second circuit during normal gun operation.

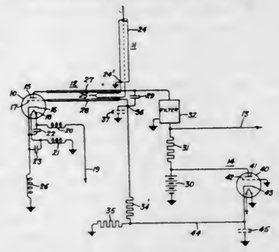
2,410,768

SUPERREGENERATIVE RECEIVER CIRCUIT

Joseph A. Worcester, Jr., Fairfield, Conn., assignor to General Electric Company, a corporation of New York

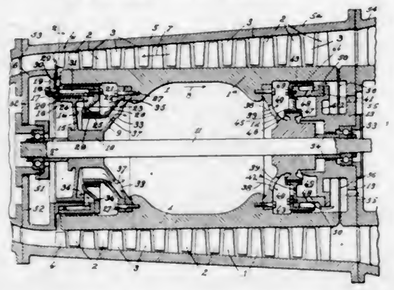
Application February 3, 1943, Serial No. 474,501

8 Claims. (Cl. 250—20)



1. A detector circuit for signal modulated carrier waves comprising an electron discharge device having an anode, a cathode and a control electrode, an input circuit for said device connected between said cathode and said control electrode, an output circuit for said device connected between said anode and said cathode, a tuned circuit resonant at the frequency of said waves and connected to couple said input and output circuits, means including a resistor connected between said cathode and said control electrode for periodically rendering said discharge device non-conductive, and means including a unilateral conducting device connected across at least a portion of said resistor for controlling the duration of the non-conductive intervals.

2,410,769
TURBINE, TURBINE TYPE COMPRESSOR, AND THE LIKE ROTATING MACHINE
Karl Baumann, Mere, Knutsford, England, assignor to Metropolitan Vickers Electrical Company Limited, London, England, a company of Great Britain
Application January 13, 1944, Serial No. 518,163
In Great Britain May 7, 1941
4 Claims. (Cl. 230—122)



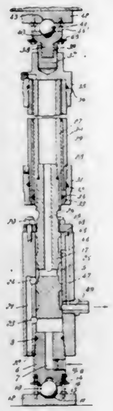
1. In a turbine or compressor or like rotating machine of the kind referred to and having an inner rotor drum bladed on its outer surface, thrust balancing devices accommodated substantially within the axial length of the inner bladed rotor drum, comprising means within the drum and rotating therewith which provide a plurality of faces of rotor surface of annular form to which high pressure fluid is led and caused to bear to produce thrusts in the same sense for the several faces, a stationary member having faces thereof opposed to the said rotor surface to accept the counterpart of such thrust, said means and member forming chambers between them, and means for conducting high pressure fluid to the respective chambers.

2,410,770
BENEFICIATION OF FLUORITE
Robert B. Booth, Springdale, and Joseph E. Carpenter, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 23, 1943, Serial No. 499,693
8 Claims. (Cl. 209—166)

1. A process of beneficiating fluorite-containing ores, which comprises subjecting an aqueous pulp of such ores to froth flotation in the presence of from about 0.2 to 5.0 lbs./ton of ore of a collector comprising a water-soluble product selected from the group consisting of sulfonates of the green acid type obtained in the refining of petroleum lubricating oils and soaps and water-soluble salts of such sulfonates.

2,410,771
HYDRAULIC JACK
Otto J. Borngesser, Burlington, N. J., assignor, by mesne assignments, to Kaiser Cargo, Inc., Bristol, Pa., a corporation of California
Application December 13, 1944, Serial No. 567,996
9 Claims. (Cl. 254—93)

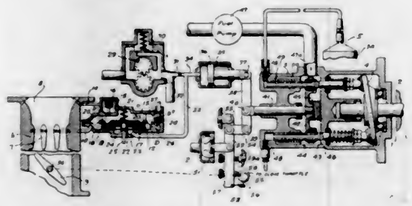
1. A hydraulic jack comprising a relatively fixed valve cylinder, a piston valve slidable therein and having a portion extending beyond said cylinder, a second cylinder mounted for longitudinal movement on and relative to said extending portion of the piston valve, means to admit fluid under pressure to the valve cylinder to actuate the piston valve, and a fluid passage adapted to place the interiors of the two cylinders in communication and controlled by the piston valve, whereby when fluid is admitted to the valve cylinder and actuates the piston valve to open said passage some of the fluid will be admitted to the second cylinder to move it longitudinally on the piston valve extension and thereby extend the overall length of the jack.



2,410,772
PREPARATION OF NEW SULPHONAMIDE DERIVATIVES
Gordon Cecil Butler, Ottawa, Ontario, Ezra Lozinski, Westmount, Quebec, and Arthur Duston Odell, Suffield, Alberta, Canada
No Drawing. Original application January 12, 1942, Serial No. 426,470. Divided and this application April 7, 1945, Serial No. 587,202. In Canada December 24, 1941
2 Claims. (Cl. 260—397.7)

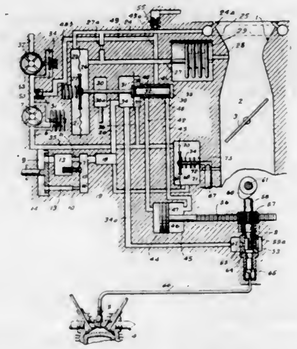
2. The new compound N-(para-amino-benzene - sulphonylyl) -1-hydroxy-4-amino-2-naphthoic acid.

2,410,773
FUEL CONTROL MECHANISM
Milton E. Chandler, New Britain, Conn., assignor to Chandler-Evans Corporation, a corporation of Delaware
Application July 22, 1942, Serial No. 451,874
14 Claims. (Cl. 123—140)



1. In a fuel control mechanism for internal combustion engines, an air conduit, control means responsive to variations in the quantity of air flowing through said conduit, hydraulic control mechanism controlled by said controlling means, fuel injector mechanism including an injector pump having a valve opened and closed during each cycle of operation of said pump, means controlled by said hydraulic control mechanism for varying the time of closure of said valve to vary the delivery of said pump as a function of air flow, and means controlled by the engine throttle for modifying the closing time of said valve.

2,410,774
FUEL INJECTION METERING MECHANISM
Milton E. Chandler, New Britain, Conn., assignor to Chandler-Evans Corporation, a corporation of Delaware
Application July 22, 1942, Serial No. 451,875
16 Claims. (Cl. 123—140)



1. In a fuel supply system for an internal combustion engine, in combination, means for conveying air to said engine for combustion purposes, an injector pump for delivering fuel to said engine, a fuel pump for supplying the inlet of said injector pump with fuel under superatmospheric pressure, means for controlling the quantity of fuel delivered to said engine by said injector pump, electrical motor means for driving said output controlling means, pressure responsive switch means for controlling said motor means, conduit means connecting the discharge of said fuel pump to said pressure responsive switch means, valve means for controlling the flow of fuel thru said conduit means independently of the pressure of the fuel discharged by said fuel pump, and means responsive to the quantity of air supplied to said engine for operating said valve means.

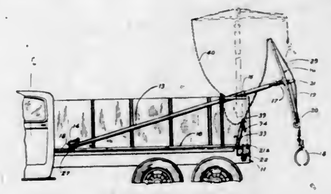
2,410,775
COLOR STABILIZATION OF VINYL HALIDE RESINS
Fred W. Cox, Cuyahoga Falls, and James M. Wallace, Jr., Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 22, 1945, Serial No. 601,060
9 Claims. (Cl. 260—78)

1. A vinyl halide resin capable of resisting discoloration upon heating which comprises a polymer of from 70 to 100 percent of a vinyl halide and up to 30 percent of another polymerizable mono-olefinic compound, said resin containing from 0.05 to 10 percent by weight based on the polymer content, of a compound of the group consisting of amino-guanidine and salts of amino-guanidine.

2,410,776
MANUFACTURE OF HYDRACRYLIC ACID
Harold S. Davis, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 26, 1942, Serial No. 470,238
5 Claims. (Cl. 260—535)

1. A process which comprises hydrolyzing ethylene cyanohydrin in an aqueous solution of an alkali metal hydroxide, adding sufficient sulfuric acid to the resulting solution to convert the alkali metal hydracrylate thus formed into free hydracrylic acid and an alkali metal salt of the sulfuric acid, evaporating water to leave hydracrylic acid and precipitated alkali metal salt of the sulfuric acid, substantially separating the alkali metal salt from the hydracrylic acid, washing the salt with an aqueous solution of the same alkali metal hydroxide mentioned above thereby removing the hydracrylic acid adhering to the salt and utilizing the resulting solution in the hydrolysis of ethylene cyanohydrin in another cycle of the process.

2,410,777
HOIST
Frank English, Pasadena, and Mark A. English, San Gabriel, Calif.; Elane English administratrix of said Frank English, deceased
Application June 8, 1945, Serial No. 598,330
10 Claims. (Cl. 212—8)

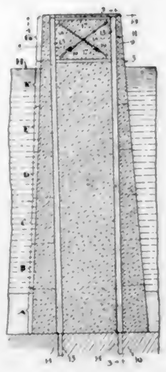


1. In a hoisting mechanism, the combination which comprises a track, a rider slidably mounted in the track, a mast, a hinge connecting an end portion of the mast to the rider, a pivot member mounted in fixed relation to the track in the plane defined by the mast in movement around the hinge, the axis of the pivot extending in the same general direction as that of the hinge, and the mast being slidably mounted in the pivot member, a hoisting means and a cable connected to the hoisting means and passing along the track from the end portion thereof located nearest the pivot member to the hinge and thence along the mast to the unhinged end thereof.

2,410,778
CONSTRUCTION OF PIERS
Chauncey M. Goodrich, Windsor, Ontario, Canada, assignor to The Canadian Bridge Company Limited, Walkerville, Ontario, Canada
Application January 1, 1945, Serial No. 570,830
7 Claims. (Cl. 61—52)

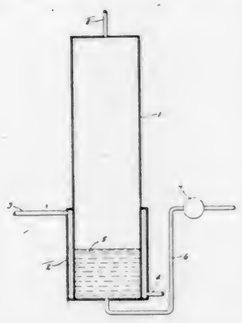
1. A bridge pier or the like comprising a concrete structure erected on a firm foundation and designed to carry the vertical loads, interconnected, laterally spaced vertically extending hollow, tubular, metal reinforcing members grounded on said foundation and embedded in said structure, said members terminating below the top of said structure, and relatively short anchoring dowels extending downwardly through the lower ends of said members into preformed sockets pro-

vided in said foundation, said anchoring dowels being grouted in place within said members and



said sockets and terminating a substantial distance below the upper ends of said members.

2,410,779
METHOD OF REMOVING INHIBITORS
Albert J. Gracia, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application August 7, 1941, Serial No. 405,803
8 Claims. (Cl. 202—39)



1. A method of removing a polymerization inhibitor from a normally gaseous monomeric substance which comprises bubbling the monomer containing the inhibitor up through a body of high-boiling solvent for said inhibitor, leading off the vapors of the purified monomeric substance from the surface of the body of liquid and condensing the vapors.

2,410,780
TREATMENT OF GUAYULE
Albert J. Gracia, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application November 28, 1942, Serial No. 467,251
2 Claims. (Cl. 260—817)

1. A method of treating guayule rubber which comprises heating it in a dilute aqueous solution of caustic soda at a temperature of about 150° C.

2,410,781
TREATMENT OF GUAYULE
Albert J. Gracia, Cuyahoga Falls, and Henry V. Powers, Tallmadge, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application November 26, 1943, Serial No. 511,844. In Canada February 26, 1943
2 Claims. (Cl. 260—817)

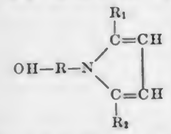
1. A method of treating guayule rubber which comprises heating it in a dilute aqueous caustic soda solution at a temperature of about 150° C. and then subjecting it to a solvent treatment to extract residual resinous matter.

2,410,782
PRESERVATION OF RUBBER
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 20, 1942, Serial No. 462,743
5 Claims. (Cl. 260—808)

1. The method of preserving rubber which comprises incorporating therein an amide of an N-aryl amino aryloxy acetic acid.

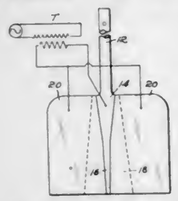
2,410,783
AGE RESISTERS
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application February 26, 1943, Serial No. 477,264
2 Claims. (Cl. 260—313)

1. As new compounds, N-(p-hydroxyaryl) pyrroles having the structural formula



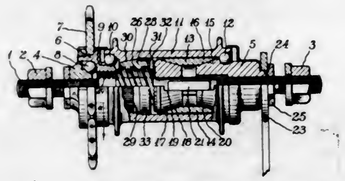
in which OH—R— is a para-hydroxy aryl radical and R_1 and R_2 are aliphatic.

2,410,784
METHOD OF MAKING TOOL BLADES
Richard Harte, Parkersburg, W. Va., assignor to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware
Application January 14, 1944, Serial No. 518,300
6 Claims. (Cl. 76—109)



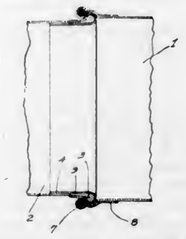
4. A method of forming a blade for an agricultural or like tool which comprises die forging by a single operation a metal rod of uniform cross-section to reshape the metal thereof into a frog, arrowhead-shaped in plan and generally lenticular in section, and a narrow integral forward extension therefrom of a length to extend to the edge of the finished blade to provide a central mid-rib therefor and then butt welding the edges of two lateral palm-forming elements respectively to the two sides of said frog and extension, which elements collectively provide the major portion of the width of the blade.

2,410,785
COASTER BRAKE
Edwin Elliott Hood, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application November 3, 1944, Serial No. 561,731
7 Claims. (Cl. 192—6)



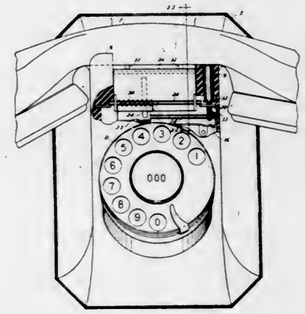
1. In a coaster brake a fixed axle, a driving member journalled thereon, an anchor member non-rotatably mounted on the axle having a longitudinally extending recess therein, a wheel hub journalled on the driving member and the anchor member, a split sleeve brake member formed to engage the interior of the hub, an expander for the brake sleeve slidably mounted on the axle and having a longitudinally extending recess in alignment with the recess in the anchor member, a straight key slidably seated in said recesses and non-rotatably engaging the brake sleeve to thereby prevent relative rotation between the expander, brake sleeve and anchor member, and a clutch and brake actuating member threaded on the driving member for longitudinal movement thereon alternatively into engagement with the hub or with the brake expander.

2,410,786
JOINT FOR PRESSURE SUITS
Gerald D. Mallory, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 29, 1943, Serial No. 504,260
3 Claims. (Cl. 285—71)



1. In a pressure suit, a joint structure between a disconnectable member and the stub of a limb member of a suit which comprises a flexible substantially inextensible ring and a rigid ring, one attached to the stub member and the other to the disconnectable member, the inside diameter of the flexible ring being smaller than the outside diameter of the rigid ring, and a substantially cylindrical flange portion on the rigid ring against which the flexible ring engages after the rigid ring has been inserted in the flexible ring, said flange portion operating to bring the two rings in substantially coaxial and juxtaposed relation, thereby forming a fluid-tight connection between the parts.

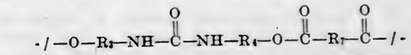
2,410,787
TELEPHONE SUBSTATION APPARATUS
Donald B. Miller, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application February 23, 1945, Serial No. 579,358
6 Claims. (Cl. 179—81)



1. In combination, a telephone housing, a transmitter and a telephone receiver associated with said housing, at least said receiver being movable with respect to said housing, a set of receiver spring contacts and a set of transmitter spring contacts mounted within said housing, an actuator movable to a primary position in which it opens both of said sets of contacts and to an intermediate position in which it maintains said transmitter contacts open while permitting said receiver contacts to close and to a secondary position in which it permits both sets of contacts to close, an element extending from the outside of said housing into the interior thereof, said element being effective under the weight of said receiver to advance said actuator to its primary position, a latch within said housing and effective on the lifting of said receiver to retain said actuator in its intermediate position, and a member actuated from the outside of said housing for releasing said latch from said actuator.

2,410,788
FATTY AMIDE POLYMERS
Willard L. Morgan, Columbus, Ohio, and Earle D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co. Incorporated, Providence, R. I., a corporation of Rhode Island
No Drawing. Application April 5, 1944, Serial No. 529,687
16 Claims. (Cl. 260—22)

1. A condensation product having one hydroxyl and one carboxyl end group and consisting of repeating units of the following general formula:



wherein R_7 is a hydrocarbon residue resulting from a polycarboxylic acid and in which R_3 and

R_4 represent simple alkylene groups of from 2 to 3 carbon atoms and in which there is attached to one of the carbons in R_3 and R_4 acid amide side chains of the following general formula:



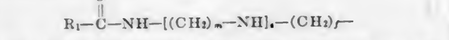
in which R_1 represents a hydrocarbon radical resulting from an organic acid and in which the letters e and m represent small integers with e varying from 0 to 4 and m from 2 to 3.

2,410,789
FATTY AMIDE POLYMERS
Willard L. Morgan, Columbus, Ohio, and Earle D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co. Incorporated, Providence, R. I., a corporation of Rhode Island
No Drawing. Application April 5, 1944, Serial No. 529,688
16 Claims. (Cl. 260—22)

1. A condensation product having one hydroxyl and one carboxyl end group and consisting of repeating units of the following general formula:

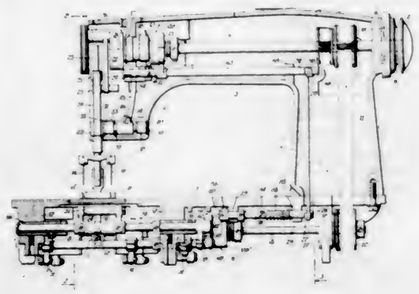


wherein R_7 is a hydrocarbon residue resulting from a polycarboxylic acid and in which R_3 and R_4 represents simple alkylene groups of from 2 to 3 carbons and in which there is attached to the nitrogens N_1 and N_2 acid amide side chains of the following general formula:



in which R_1 represents a hydrocarbon radical resulting from an organic acid and in which the integers f varies from 2 to 6 and e from 0 to 3 and m from 2 to 3.

2,410,790
FEED REGULATING MEANS FOR SEWING MACHINES
Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 12, 1945, Serial No. 599,059
10 Claims. (Cl. 112—210)



1. In a sewing machine having a frame including a work-supporting plate, a first work-feeding mechanism located beneath said plate, a second work-feeding mechanism located above said plate, individual means for regulating the feeding action of each of said feeding mechanisms, and a single manual control means for simultaneously and synchronously controlling the action of both of the feed regulating means.

2,410,791
AMINO ESTERS OF DIARYL SUCCINIC ACIDS
Karl G. Pleger, Rochester, N. Y., and Arthur J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 31, 1942, Serial No. 436,959
5 Claims. (Cl. 260—475)

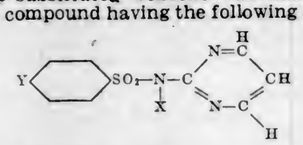
1. Di-(β-diethylaminoethyl) diphenylsuccinate.

2,410,792
COATED CORD
Theodore R. Ten Broeck, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Ohio
No Drawing. Application May 27, 1943, Serial No. 488,749
11 Claims. (Cl. 117—138.8)

1. A cord made up of a core of textile material and a coating on said core comprising a mixture of from about 4 parts to about 32 parts of synthetic rubber latex solids, from about .5 part to about 10 parts of a protein and from about 1 part to about 16 parts of one of the group consisting of aromatic hydroxy compounds and their salts.

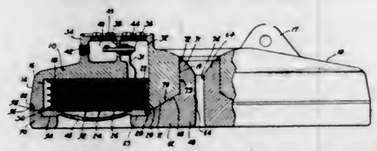
2,410,793
SULFONAMIDO PYRIMIDINES
Philip Stanley Winnek and Richard O. Roblin, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 1, 1940, Serial No. 321,666
4 Claims. (Cl. 260—239.6)

4. A p-substituted benzene sulfonamido pyrimidine compound having the following formula:



in which X is a positive radical and Y is a radical hydrolyzable to NH_2—.

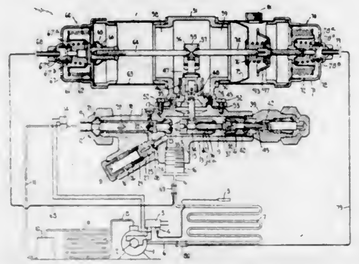
2,410,794
ELECTROMAGNET
David C. Wright, Euclid, and Arthur L. Ward, Shaker Heights, Ohio, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 24, 1942, Serial No. 466,732
10 Claims. (Cl. 175—367)



6. A lifting magnet comprising a magnetic frame member provided with an inner depending

pole piece having a bottom working face, a winding surrounding said pole piece and having its lower face surface above the lowermost portion of said bottom working face, an axially directed opening through said pole piece, a homogeneous and unitary magnetic pole shoe having a portion extending outwardly from the lower peripheral edge of said opening and below the said bottom working face and also having a portion fitting into said opening and with its peripheral surface in intimate flux conducting relation to surfaces defining said opening, said surfaces constituting the major flux path between the frame member and pole shoe, and a securing connection entirely located at the end of said pole shoe remote from said working face and holding said pole shoe and said pole piece together in said flux conducting relationship.

2,410,795
EXPANSION VALVE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 5, 1944, Serial No. 521,233
7 Claims. (Cl. 62—8)



1. The combination with a refrigerant evaporator of a refrigerant expansion valve for controlling flow of a refrigerant medium to the evaporator and comprising an elongated tubular open ended casing having one end open for admission of refrigerant medium, a valve seat member in the bore of said casing, a valve member cooperable with said seat member and guided for longitudinal movement in said bore, said casing having an outlet passageway through the side wall of said bore on the outlet side of said valve seat member, said casing having a passageway bypassing said seat member, an orifice member determining the minimum flow to said outlet and positioned in and restricting flow through said bypass passageway, a needle valve cooperable with said orifice member to throttle the flow through the orifice in said orifice member, said casing having a side wall opening positioned at the side of said valve member, a motion transmitting member connected to and for actuating said valve member and extending through said opening, means sealing said opening around said transmitting member, a housing mounted on said casing and surrounding the exterior end portion of said transmitting member, a fluid charged thermostatic actuator carried by said housing and having a bulb element responsive to temperature of the refrigerant medium adjacent the inlet to the evaporator, a rod connecting said actuator to said transmitting member to move said valve member toward closed position upon temperature increase of said bulb element, a fluid charged thermostatic actuator carried by said housing in opposing relation to said first-named actuator and having a bulb element responsive to temperature of the refrigerant medium adjacent the outlet of the evaporator, a rod connecting said second-named actuator to said transmitting member to move said valve member toward open position upon temperature increase of said second-named bulb element, a superheat determining spring opposing opening of said valve member by said second-named actuator, and means closing the other open end of said casing and determining the maximum opening of said valve member in its operating range.

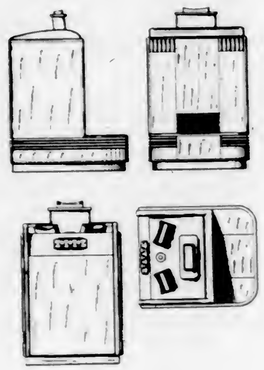
2,410,796
SOLUBLE AMIDINE SALTS
George Newbery, Brentwood, and Alexander Peter Tawse Easson, Hornchurch, England, assignors to May & Baker Limited, Dagenham, Essex, England, a British company
No Drawing. Original application April 11, 1942, Serial No. 438,612. Divided and this application May 11, 1945, Serial No. 593,326. In Canada April 7, 1942
5 Claims. (Cl. 260—501)

1. 4:4'-diamidino-diphenylether-di - beta - hydroxyethane-sulphonate.

DESIGNS

NOVEMBER 5, 1946

145,864
DESIGN FOR A FOOT X-RAY MACHINE
Matthew B. Adrian, Milwaukee, Wis.
Application November 19, 1945, Serial No. 123,910
Term of patent 7 years
(Cl. D83—1)



The ornamental design for a foot X-ray machine, as shown.

145,865
DESIGN FOR A DOLL HEAD
Evelyn Aleshin, San Francisco, Calif.
Application April 23, 1946, Serial No. 128,899
Term of patent 7 years
(Cl. D34—4)



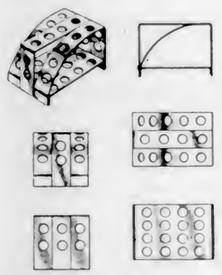
The ornamental design for a doll head, substantially as shown.

145,866
DESIGN FOR A DOLL HEAD
Evelyn Aleshin, San Francisco, Calif.
Application April 23, 1946, Serial No. 128,900
Term of patent 7 years
(Cl. D34—4)



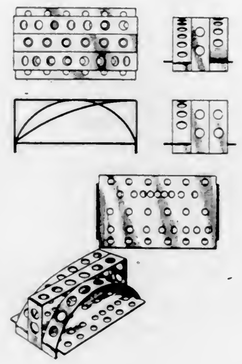
The ornamental design for a doll head, substantially as shown.

145,867
DESIGN FOR A HOLDER FOR FLOWERS OR OTHER SLENDER ARTICLES
Frank P. Fletcher, Pasadena, Calif.
Application August 1, 1945, Serial No. 121,141
Term of patent 14 years
(Cl. D35—3)



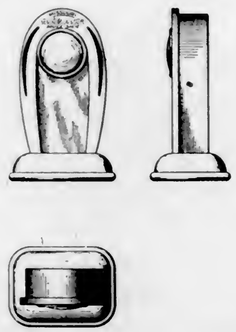
The ornamental design for a holder for flowers or other slender articles, as shown.

145,868
DESIGN FOR A HOLDER FOR FLOWERS OR OTHER SLENDER ARTICLES
Frank P. Fletcher, Pasadena, Calif.
Application August 1, 1945, Serial No. 121,142
Term of patent 14 years
(Cl. D35—3)



The ornamental design for a holder for flowers or other slender articles, as shown.

145,869
DESIGN FOR AN ADVERTISING DEVICE OR SIMILAR ARTICLE
Edwin H. Gallinagh, Kansas City, Mo.
Application September 17, 1945, Serial No. 122,126
Term of patent 14 years
(Cl. D1—12)



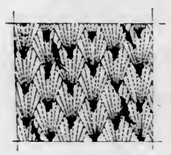
The ornamental design for an advertising device or similar article, as shown and described.

145,870
DESIGN FOR A FOUNTAIN PEN
Warren Green, Noroton Heights, Conn., and Peter Schladermundt, Bronxville, N. Y., assignors to Salz Bros. Inc., New York, N. Y., a corporation of New York
Application January 3, 1946, Serial No. 125,245
Term of patent 14 years
(Cl. D74—17)



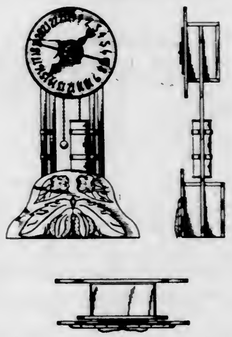
The ornamental design for a fountain pen, substantially as shown and described.

145,871
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Frank J. Keil, Queens Village, N. Y., assignor to Nicholas F. Giordano, Brooklyn, N. Y.
Application November 23, 1945, Serial No. 124,016
Term of patent 3½ years
(Cl. D92—1)



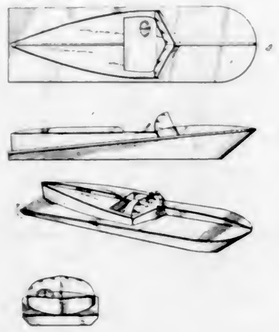
The ornamental design for an embroidered textile fabric, substantially as shown.

145,872
DESIGN FOR A CLOCK
Albert E. Lamberg, Fillmore, Calif.
Application April 16, 1946, Serial No. 128,651
Term of patent 14 years
(Cl. D42—7)



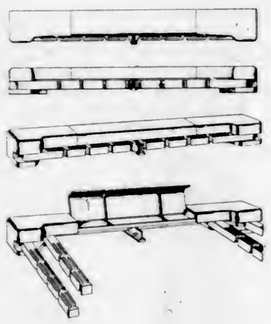
The ornamental design for a clock, substantially as shown.

145,873
DESIGN FOR A TOY BOAT OR SIMILAR ARTICLE
Leon J. Nowak, Jr., Chicago, Ill.
Application November 7, 1945, Serial No. 123,535
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy boat or similar article, as shown.

145,874
DESIGN FOR A TIE RACK
Leonard J. Pauly, Chicago, Ill.
Application March 15, 1946, Serial No. 127,549
Term of patent 7 years
(Cl. D33—8)



The ornamental design for a tie rack, as shown.

145,875
DESIGN FOR A ROLLING CLOWN BALL
Leonard Z. Plebanek, Chicago, Ill.
Application October 10, 1945, Serial No. 122,724
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a rolling clown ball, as shown.

145,876
DESIGN FOR A LUMINOUS ASH TRAY
James Ross, Hubbard Woods, Ill.
Application October 20, 1944, Serial No. 115,891
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for a luminous ash tray, substantially as shown and described.

145,877
DESIGN FOR A SCORE PAD HOLDER
Gordon Tucker, Minneapolis, Minn.
Application March 4, 1946, Serial No. 127,078
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a score pad holder, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Amarosa Co. Inc., New York, N. Y. Hair dressing. Serial No. 500,159; Nov. 5. Class 6.

Amberg File and Index Company, Kankakee, Ill. Transportable filing cases. Serial No. 506,285; Nov. 5. Class 32.

American Brotherhood of Railroad Employees, Chicago, Ill. Magazine, news letters, prints, etc., Serial No. 495,782; Nov. 5. Class 38.

American Lead Pencil Company, Hoboken, N. J. Lead pencils. Serial No. 499,531; Nov. 5. Class 37.

Anchor Plastics Company: *See*—
Fischer, Richard A.

A-1 Remedy Company: *See*—
Schlarbaum, Dean M.

Asgrow Export Corporation: *See*—
Associated Seed Growers, Inc.

Ashby, Dreyfus, & Co., Inc., New York, N. Y. Kirschwasser. Serial No. 493,998; Nov. 5. Class 49.

Associated Products, Inc., Chicago, Ill. Suntan lotion, fabric pads impregnated with suntan lotion, impregnated pads for removing nail lacquers, etc. Serial No. 498,198; Nov. 5. Class 6.

Associated Seed Growers, Inc., doing business as Asgrow Export Corporation, New Haven, Conn. Garden and field seeds, bulbs, and plants. Serial No. 499,887; Nov. 5. Class 1.

Aufhauser, Alfred, doing business as Industrial Raw Materials Company, assignor to Industrial Raw Materials Corp., New York, N. Y. Petroleum wax in powdered form, as a raw material. Serial No. 494,771; Nov. 5. Class 1.

Autohavit Company, Atlanta, Ga. Tire removing tool. Serial No. 500,047; Nov. 5. Class 23.

Automatic Distributing Corporation of America, New Brunswick, N. J. Automatic vending machines. Serial No. 497,521; Nov. 5. Class 23.

B-Ken Corporation, Rochester, N. Y. Utility stands. Serial No. 504,526; Nov. 5. Class 32.

Beck, Albert F. A., doing business as Beck Products Company, Pittsburgh, Pa. Cold sore lotion. Serial No. 490,358; Nov. 5. Class 6.

Beck Products Company: *See*—
Beck, Albert F. A.

Bemis Bro. Bag Company, St. Louis, Mo. Fabric and paper bags and sacks. Serial No. 491,701; Nov. 5. Class 2.

Bennett, May N., doing business as Bennett Milling Co., Geneva, Ill. Rye flour, buckwheat and graham flour, etc. Serial No. 486,743; Nov. 5. Class 46.

Bennett Milling Co.: *See*—
Bennett, May N.

Bike Web Company, The, Chicago, Ill. Monthly periodical. Serial No. 499,692; Nov. 5. Class 38.

Blue Hill Candy Co., assignee: *See*—
Catsigianis, Otto P.

Bond Stores, Incorporated, New York, N. Y. Girls', misses' and women's suits, fabric coats, dresses, etc. Serial No. 501,433; Nov. 5. Class 39.

Brehm, George S., doing business as Hygienic Sanitation Co., Philadelphia, Pa. Insecticide, disinfectant, and deodorant. Serial No. 498,390; Nov. 5. Class 6.

Brennan, Joseph V., Chicago, Ill. Game utilizing dice and specially designed cards. Serial No. 505,888; Nov. 5. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. Serial No. 508,833; Nov. 5. Class 22.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Herbicides. Serial No. 498,393; Nov. 5. Class 6.

Caron, Richard J., doing business under the name and style of Richard Yarns, St. Paul, Minn. Wool yarn. Serial No. 496,608; Nov. 5. Class 43.

Catsigianis, Otto P., doing business as Blue Hill Candy Co., assignor to Blue Hill Candy Co., St. Louis, Mo. Candy. Serial No. 478,946; Nov. 5. Class 46.

Christianson, David A., Associates, Inc., New York, N. Y. Pocket combs. Serial No. 500,284; Nov. 5. Class 40.

Clinton Industries, Inc., Clinton, Iowa. Refined corn sugar. Serial No. 498,591; Nov. 5. Class 6.

Compania Cubana de Alcohol, S. A., Santa Cruz Del Norte and Havana, Cuba. Rum. Serial No. 470,488; Nov. 5. Class 49.

Consolidated Cosmetics, Chicago, Ill. Incense, and perfumed burning oils. Serial No. 505,141; Nov. 5. Class 6.

Cross, Mark, Company, New York, N. Y. Suitcases. Serial No. 498,706; Nov. 5. Class 3.

Cub Water Heater Corporation, Chicago, Ill. Electric water heaters. Serial No. 498,688; Nov. 5. Class 21.

De Pree Company, The, Holland, Mich. Product in powdered form for use in the extermination of rats and mice. Serial No. 491,633; Nov. 5. Class 6.

Dial Light Company of America, Inc., New York, N. Y. Electric panelboard pilot and signal light units. Serial No. 491,964; Nov. 5. Class 21.

Dietzgen, Eugene, Co., Chicago, Ill. Drawing instruments and supplies. Serial No. 483,811; Nov. 5. Class 26.

Dill Company, The, Norristown, Pa., assignor to Killer Diller Corporation, Milwaukee, Wis. Insecticides. Serial No. 471,024; Nov. 5. Class 6.

Dorn, Harry I., doing business as Leon Hirsch & Son, New York, N. Y. Liquid toilet preparations. Serial No. 500,529; Nov. 5. Class 6.

Etna Chemical Company, Inc., New York, N. Y. Liniment. Serial No. 498,891; Nov. 5. Class 6.

Feldstein, Victor, doing business as Turf Call Pub. Co., New York, N. Y. Monthly publication. Serial No. 498,130; Nov. 5. Class 38.

Fisch & Company, Los Angeles, Calif. Men's and women's shirts, jackets, slack suits and hats, etc. Serial No. 499,703; Nov. 5. Class 39.

Fisch, Richard A., doing business as Anchor Plastics Company, New York, N. Y. Narrow belting, stripping and webbing for furniture and upholstery. Serial No. 492,133; Nov. 5. Class 40.

Fisher, George H., & Co., New York, N. Y. Perfume atomizers. Serial No. 508,842; Nov. 5. Class 44.

Gage, Nilsson, Company, Inc., Poughkeepsie, N. Y. Inside diameter bore gauges, plug gauges, ring gauges, etc. Serial No. 497,878; Nov. 5. Class 26.

Gustin-Bacon Manufacturing Company, Kansas City, Mo. Metallic tube fittings. Serial No. 497,794; Nov. 5. Class 13.

Higgins, Inc., New Orleans, La. Plywood. Serial No. 505,202; Nov. 5. Class 12.

Hirsch, Leon, & Son: *See*—
Dorn, Harry I.

Hoenig, Adolph, Long Island City, N. Y. Dental instruments; instrument stands and holders. Serial No. 507,400; Nov. 5. Class 44.

Howell, R. R., Co., Minneapolis, Minn. Grain elevator conveyor belting. Serial No. 492,050; Nov. 5. Class 35.

Hygienic Sanitation Co.: *See*—
Brehm, George S.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. Serial No. 505,498; Nov. 5. Class 22.

Ideal Novelty & Toy Co., Hollis, N. Y. Toy telephones. Serial No. 509,005; Nov. 5. Class 22.

Industrial Raw Materials Company: *See*—
Aufhauser, Alfred.

Industrial Raw Materials Corp., assignee: *See*—
Aufhauser, Alfred.

International Paper Company, New York, N. Y. Boxes. Serial No. 491,572; Nov. 5. Class 2.

Johnson, Frank A., doing business as Frank Johnson Products, San Francisco, Calif. Biscuit and cookie cutter. Serial No. 490,663; Nov. 5. Class 23.

Johnson, Frank, Products: *See*—
Johnson, Frank A.

K & B Manufacturing Co., Los Angeles, Calif. Toy gasoline engines. Serial No. 495,884; Nov. 5. Class 22.

K & R Fruit Products, Inc., Upland, Calif. Canned orange and apricot blend of juices. Serial No. 501,990; Nov. 5. Class 46.

Kaplan, Richard S., Gary Ind. Writing paper and envelopes. Serial No. 499,900; Nov. 5. Class 37.

Kelmar Corporation, Milwaukee, Wis. Toy electric motor assembly kits. Serial No. 493,126; Nov. 5. Class 22.

Killer Diller Corporation, assignee: *See*—
Dill Company, The.

Knox Chemical Company, Chicago, Ill. Insecticides. Serial No. 492,565; Nov. 5. Class 6.

Koehring Company, Milwaukee, Wis. Portable or locomotive cranes. Serial No. 493,197; Nov. 5. Class 23.

Kolling, Henry W., doing business as Typulator Sales Company, Dayton, Ohio. Strip of material to be applied to a typewriter platen, etc., for measuring. Serial No. 498,636; Nov. 5. Class 26.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial No. 498,641; Nov. 5. Class 26.

Lincoln Drug Co., Inc., Fort Wayne, Ind. Foot lotion. Serial No. 494,509; Nov. 5. Class 6.

Lockley Machine Company, New Castle, Pa. Electrically driven garbage grinders. Serial No. 485,531; Nov. 5. Class 21.

Mars, Incorporated, Chicago, Ill. Candy bars. Serial No. 497,670; Nov. 5. Class 46.

Martin Steel Products Corporation, Mansfield, Ohio. Hay storage bins. Serial No. 509,293; Nov. 5. Class 2.

Masury, John W., & Son, Inc., Baltimore, Md. Paints (ready mixed, liquid, paste form, and dry), paint enamels, japans, etc. Serial No. 497,671; Nov. 5. Class 16.

Mayer-Nock Company, The, Philadelphia, Pa. Children's dresses. Serial No. 503,458; Nov. 5. Class 39.

McOrmond, Alice D., Mansfield Center and Ashford, Conn. Books for children. Serial No. 496,975; Nov. 5. Class 38.

Mohawk Rubber Company, The, Akron, Ohio. Pneumatic tires and inner tubes for pneumatic tires. Serial No. 506,681; Nov. 5. Class 35.

National Association of Piano Tuners, The, Pittsburgh, Pa., Grand Rapids, Mich., and Takoma Park, Md. Periodical. Serial No. 497,676; Nov. 5. Class 38.
National Carbon Company, Inc., New York, N. Y. Dry batteries. Serial No. 492,576; Nov. 5. Class 21.
National Transitads, Inc., Chicago, Ill. Magazine. Serial No. 498,790; Nov. 5. Class 38.
Nephron Company: *See*—
Pitts, Arthur W.
New York Merchandise Co., Inc., New York, N. Y. Safety pins of non-precious metal or metals. Serial No. 496,979; Nov. 5. Class 40.
Norcross, New York, N. Y. Greeting cards and printed greeting folders, booklets of children's stories, etc. Serial No. 502,398; Nov. 5. Class 38.
Novelty Mfg. & Sales Corp., Charlotte, N. C. Chemical solution. Serial No. 497,037; Nov. 5. Class 6.
Nu-Pro Manufacturing Company, St. Louis, Mo. Cleaning sticks made of a detergent material. Serial No. 471,128; Nov. 5. Class 4.
O'Brien, Howard T., doing business as O'Brien Mfg. Co., Chicago, Ill. Electric portable unitary sewer cleaning machines. Serial No. 500,118; Nov. 5. Class 23.
O'Brien Mfg. Co.: *See*—
O'Brien, Howard T.
Oster Manufacturing Company, The, Cleveland, Ohio. Sewer cleaning machines. Serial No. 499,265; Nov. 5. Class 23.
Pacific Outdoor Products, Inc., Seattle, Wash. Fishing rods, fishing rod butts, and fishing reels. Serial No. 506,120; Nov. 5. Class 22.
Pacific Outdoor Products, Inc., Seattle, Wash. Fishing reels. Serial Nos. 506,121–2; Nov. 5. Class 22.
Parfumerie de Raymond, New York, N. Y. Toilet preparations. Serial No. 494,521; Nov. 5. Class 6.
Parfumerie Fragonard G. Fuchs et Cie, Paris, France. Perfumes. Serial No. 488,115; Nov. 5. Class 6.
Parfums D'Artimon: *See*—
Wilde, John P.
Parke, Davis & Company, Detroit, Mich. Universal ointment base. Serial No. 490,903; Nov. 5. Class 6.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Game played with cards. Serial No. 497,561; Nov. 5. Class 22.
Periodical Publishers' Service Bureau, Inc., New York, N. Y., and Stamford, Conn. Individual literary works in the form of books comprising a series. Serial Nos. 496,657–8; Nov. 5. Class 38.
Pitts, Arthur W., doing business as Nephron Company, Tacoma, Wash. Vaporizers or nebulizers. Serial No. 502,007; Nov. 5. Class 44.
Plymold Corporation, Lawrence, Mass. House and office furniture. Serial No. 504,288; Nov. 5. Class 32.
Rain-Beau Products Company, Canton, Mass. Fishing lines. Serial Nos. 508,816–20; Nov. 5. Class 22.
Richard Yarns: *See*—
Caron, Richard J.
Riley, Stephen, Company: *See*—
Riley, Stephen E.
Riley, Stephen E., doing business as Stephen Riley Company, Los Angeles, Calif. Bubble bath preparation. Serial No. 498,461; Nov. 5. Class 6.
Rockwood & Co., Brooklyn, N. Y. Chocolate and chocolate pieces. Serial No. 499,577; Nov. 5. Class 46.
Rose Valley Produce Company, Woodland, Calif. Fresh deciduous fruits, fresh vegetables, and fresh melons. Serial No. 499,510; Nov. 5. Class 46.
Rose Valley Produce Company, Woodland, Calif. Fresh deciduous fruits and fresh melons. Serial No. 500,250; Nov. 5. Class 46.
Royal Manufacturing Co. of Duquesne, Chicago, Ill., now by change of name, Royal Pharmacal Company. Liquid and a device for producing bubbles for entertainment. Serial No. 500,575; Nov. 5. Class 22.
Royal Oak Industries, Inc., Royal Oak, Mich. Fishing rod supports and holders. Serial No. 500,700; Nov. 5. Class 22.
Royal Pharmacal Company: *See*—
Royal Manufacturing Co. of Duquesne.
San Hygene Upholstery Company, The, Akron, Ohio. Upholstered furniture. Serial No. 503,758; Nov. 5. Class 32.
Schlarbaum, Dean M., doing business as A-1 Remedy Company, Albuquerque, N. Mex. Medicinal compound. Serial No. 494,926; Nov. 5. Class 6.
Seale, Homer T., Co., Los Angeles, Calif. Shower heads. Serial No. 499,353; Nov. 5. Class 13.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 490,085; Nov. 5. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 500,135; Nov. 5. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Lozenge or troche. Serial No. 500,137; Nov. 5. Class 6.
Shell Oil Company, Incorporated, San Francisco, Calif. Insecticide. Serial No. 500,253; Nov. 5. Class 6.
Sleepwear Inc., New York, N. Y. Pajamas. Serial No. 502,237; Nov. 5. Class 39.
Smith, Kline & French Laboratories, Philadelphia, Pa. Pharmaceutical preparations. Serial No. 505,339; Nov. 5. Class 6.
Société d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris, and Asnieres, near Paris, France. Perfumes. Serial No. 497,978; Nov. 5. Class 6.
Sonoco Products Company, Hartsville, S. C. Paper carriers. Serial No. 493,294; Nov. 5. Class 2.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. Serial No. 508,865; Nov. 5. Class 2.
Storms, H. M., Co., Brooklyn, N. Y. Carbon paper. Serial No. 488,434; Nov. 5. Class 11.
Swift, B. & P., Limited, Ealing and London, England. Electrical machines for cutting, grinding, mashing, etc., food. Serial No. 498,811; Nov. 5. Class 21.
Teasdale & Co: Limited, Carlisle, England. Medicated sweetmeats. Serial No. 497,279; Nov. 5. Class 6.
Telecomics Inc., New York, N. Y. Comic strips. Serial No. 499,808; Nov. 5. Class 38.
Triangle Publications, Inc., Philadelphia, Pa. Column of horse racing selections and graded handicaps. Serial No. 458,445; Nov. 5. Class 38.
Triangle Publications, Inc., Philadelphia, Pa. Newspaper section. Serial No. 499,523; Nov. 5. Class 38.
Turf Call Pub. Co.: *See*—
Feldstein, Victor.
Typulator Sales Company: *See*—
Kolling, Henry W.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 508,942; Nov. 5. Class 2.
Union Chemical & Oil Co., Chicago, Ill. Waterproof roof paint. Serial No. 494,471; Nov. 5. Class 16.
Union Fork & Hoe Company, The, Columbus, Ohio. Field, garden, and lawn tools. Serial No. 498,041; Nov. 5. Class 23.
Venetian Briar Pipe Co., Brooklyn, N. Y. Smokers' pipes, cigar and cigarette holders. Serial No. 499,674; Nov. 5. Class 8.
Vikon Tile Corporation, Washington, N. J. Metal tiles. Serial No. 505,873; Nov. 5. Class 12.
Walss, Walther, Tessin, Switzerland. Toy animals and figures. Serial No. 489,999; Nov. 5. Class 22.
Wasserman, Bess, Miami, Fla. Men's, women's and children's robes, and men's jackets and trousers. Serial No. 502,172; Nov. 5. Class 39.
Weiler Brush Company: *See*—
Weiler, Karl E.
Weiler, Karl E., doing business as Weiler Brush Company, Franklin Square, Long Island, N. Y. Industrial brushes. Serial No. 499,928; Nov. 5. Class 23.
Welding Advertising Agency, Inc., New York, N. Y. Column appearing from time to time. Serial No. 499,592; Nov. 5. Class 38.
Westlectric Castings Inc., Los Angeles, Calif. Steel castings. Serial No. 494,642; Nov. 5. Class 14.
Whitney Blake Company, The, Hamden and New Haven, Conn. Insulated electric wire. Serial No. 500,505; Nov. 5. Class 21.
Whitney, Glenn R., Chicago, Ill. Water pressure regulators. Serial No. 497,518; Nov. 5. Class 13.
Wilde, John P., doing business as Parfums D'Artimon, New York, N. Y. Perfume, eau de cologne and lotion vegetale. Serial No. 495,351; Nov. 5. Class 6.
Winthrop Chemical Company Inc., New York, N. Y. Antimalarial preparation. Serial No. 499,183; Nov. 5. Class 6.
Wyatt Manufacturing Company, The, Salina, Kans. Agricultural machinery. Serial No. 499,879; Nov. 5. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Adolph's Beauty Products Co., Philadelphia, Pa. Non-electric curling iron. 425,219; Nov. 5. Class 40.
Ali, Mohammed, doing business as Royal Indian Cosmetic Co., Brooklyn, N. Y. Hair pomade, after-shaving lotion, white cleansing cream, etc. 425,175; Nov. 5; Serial No. 497,359; published Aug. 13, 1946. Class 6.
Allied Laboratories, Inc., also doing business as Pitman-Moore Co., Indianapolis, Ind. Anthelmintic tablets. 425,179; Nov. 5; Serial No. 497,690; published Aug. 13, 1946. Class 6.
Alpinol Corporation, New York, N. Y. Medicinal preparations. 425,177; Nov. 5; Serial No. 497,437; published Aug. 6, 1946. Class 6.
American Bleached Goods Company, Inc., to American Bleached Goods Company, Inc., New York, N. Y. Cotton goods in the piece. 221,020; renewed Nov. 23, 1946. O. G. Nov. 5. Class 42.
American Bleached Goods Company, Inc., to American Bleached Goods Company, Inc., New York, N. Y. Cotton goods in the piece. 221,114; renewed Nov. 23, 1946. O. G. Nov. 5. Class 42.

American Cereal Company, The, Akron, Ohio, Chicago, Ill., and Cedar Rapids, Iowa, to The Quaker Oats Company, Chicago, Ill. Prepared rice. 56,707–8; re-renewed Oct. 16, 1946. O. G. Nov. 5. Class 46.
American Cereal Company, The, Akron and Ravenna, Ohio, Chicago, Ill., and Cedar Rapids, Iowa, to The Quaker Oats Company, Chicago, Ill. Oatmeal, rolled oats, cracked wheat, etc. 57,620; re-renewed Nov. 13, 1946. O. G. Nov. 5. Class 46.
American Poultry Company, Detroit, Mich. Frozen chicken with rice, and frozen chicken with noodles. 425,220; Nov. 5. Class 46.
American Stores Company: *See*—
Wilkinson, Gaddis & Co.
Anderson-Stolz Pharmaceuticals, Inc., Kansas City, Mo., assignor to Skinner Manufacturing Company, Omaha, Nebr. Deodorant and antiseptic in liquid form. 425,195; Nov. 5; Serial No. 498,380; published Aug. 13, 1946. Class 6.
Anodex Laboratories, Inc., Ventnor City, N. J. Topical surface anesthetic. 425,115; Nov. 5; Serial No. 489,309; published Aug. 13, 1946. Class 6.
Arcelay, J. O. Garcia, doing business as Licoreria Garcia, Mayaguez, P. R. Cordials. 425,148; Nov. 5; Serial No. 494,770; published Aug. 13, 1946. Class 49.
A/S Bakteriologisk Laboratorium "Ratin," Frederiksberg, near Copenhagen, Denmark. Bacteriologic preparations used for destroying rats and mice. 215,280; renewed July 13, 1946. O. G. Nov. 5. Class 6.
Atlantic Mills, The, Olneyville, R. I., and Stottville, to A. D. Juilliard & Co., Inc., New York, N. Y. Woolen dress goods and dress fabrics. 216,731–2; renewed Aug. 17, 1946. O. G. Nov. 5. Class 42.
Barber, W. H., Company, Minneapolis, Minn. Gasoline, kerosene, fuel oil petroleum distillate. 212,271; renewed Apr. 27, 1946. O. G. Nov. 5. Class 15.
Berman, M., & Son, Inc., doing business as Herlene Textile Company, Cincinnati, Ohio. Children's play clothes. 425,215; Nov. 5. Class 39.
Bissell Varnish Company, The: *See*—
Crockett, David B., Company, The.
Blaustone, Arnold, doing business as Durma Products Company, Minneapolis, Minn. Preparation for treating athlete's foot and callouses. 425,216; Nov. 5. Class 6.
Bol, Ltd., New York, N. Y. Optical film viewing apparatus and optical apparatus for viewing printed matter. 425,111; Nov. 5; Serial No. 488,445; Aug. 6, 1946. Class 26.
Bol, Ltd., New York, N. Y. Printed and otherwise reproduced record cards. 425,112; Nov. 5; Serial No. 488,446; published Aug. 6, 1946. Class 38.
Borden Company, The, New York, N. Y. Vaginal suppositories. 425,196; Nov. 5; Serial No. 498,389; published Aug. 13, 1946. Class 6.
Brooks Brothers, New York, N. Y. Shampoo for the hair. 425,102; Nov. 5; Serial No. 479,917; published May 14, 1946. Class 6.
Brown Brothers Company, Rochester, to Brown Brothers Company, Penfield, N. Y. Shrubs, rosebushes, vines, etc. 221,134; renewed Nov. 23, 1946. O. G. Nov. 5. Class 1.
Brown Mfg. Co., Greenville, Tenn., to Brown Mfg. Co., Le Roy, N. Y. Tonic preparations and compounds. 57,845; re-renewed Nov. 27, 1946. O. G. Nov. 5. Class 6.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard cloth. 220,818; renewed Nov. 16, 1946. O. G. Nov. 5. Class 42.
Burlington Basket Company, Burlington, Iowa. Various kinds of baskets. 220,693; renewed Nov. 16, 1946. O. G. Nov. 5. Class 2.
C. L. S. Products Corp., Pittsburgh, Pa. Ointment. 425,098; Nov. 5; Serial No. 474,878; published July 3, 1945. Class 6.
Carborose Company, Brooklyn, N. Y. Fungicidal preparation. 425,114; Nov. 5; Serial No. 489,100; published Aug. 13, 1946. Class 6.
Cascade Frozen Foods, Inc., Seattle, Wash. Frozen fruits and vegetables. 425,204; Nov. 5. Class 46.
Cenol Company, Inc., Chicago, Ill. Rat baits. 425,184; Nov. 5; Serial No. 497,992; published Aug. 13, 1946. Class 6.
Chemical Foundation, Incorporated, The: *See*—
Vereinigte Chininfabriken Zimmer & Co., Ges mit Beschränkter Haftung.
Cifuentes y Compañía: *See*—
Pego y Ca., S. en C.
Cindex Company: *See*—
Deans, John.
Clark, John J., & Co., Pawtucket, R. I., to W. Warren Thread Works, Westfield, Mass. Spool-cotton or sewing-thread. 57,785; re-renewed Nov. 27, 1946. O. G. Nov. 5. Class 43.
Cloverdale Spring Company, Baltimore, Md. Non-alcoholic, non-cereal, maltless beverages. 425,202; Nov. 5; Serial No. 499,943; published Aug. 13, 1946. Class 45.
Con-Ferro Paint & Varnish Company, to Con-Ferro Paint & Varnish Company, St. Louis, Mo. House paint, paint enamels, varnish stains, etc. 221,175; renewed Nov. 23, 1946. O. G. Nov. 5. Class 16.
Consolidated Distilleries, Inc., East Taunton, Mass. Whiskey. 425,201; Nov. 5; Serial No. 499,318; published Aug. 13, 1946. Class 49.
Cover Girl: *See*—
Revoc, Inc.
Crockett, David B., Company, The, to The Bissell Varnish Company, Bridgeport, Conn. Composition coating or varnishes. 28,385; re-renewed June 16, 1946. O. G. Nov. 5. Class 16.
Crockett, David B., Company, The, to The Bissell Varnish Company, Bridgeport, Conn. Varnish-stains. 53,950; re-renewed June 19, 1946. O. G. Nov. 5. Class 16.
Crofut & Knapp Co., The, South Norwalk, to Hat Corporation of America, Norwalk, Conn. Caps and hats of felt, straw, silk, etc., for men and women. 220,944; renewed Nov. 16, 1946. O. G. Nov. 5. Class 42.
Curtice Brothers Co., Rochester, N. Y. Soups, vegetables, fruits, etc. 56,714; re-renewed Oct. 16, 1946. O. G. Nov. 5. Class 46.
Dandy Publishing Company, New York, N. Y. Publications containing cartoons and comics published from time to time. 425,116; Nov. 5; Serial No. 489,449; published Aug. 6, 1946. Class 38.
Daniels Food Products Co., The, Chicago, Ill. Salad dressing and French dressing. 425,226; Nov. 5. Class 46.
Danna and Danna, San Jose, Calif. Fresh melons, fresh vegetables, and frozen fresh vegetables. 425,218; Nov. 5. Class 46.
Daz-L-Dent Laboratories: *See*—
Wolff, William E.
Deans, John, doing business as Cindex Company, Eddystone, Pa. Preparations for the treatment of colds and coughs. 425,153; Nov. 5; Serial No. 494,891; published Aug. 13, 1946. Class 6.
Destin, Farel, Inc., New York, N. Y. Face powder, rouge, lipstick, and cologne. 425,101; Nov. 5; Serial No. 479,470; published July 31, 1945. Class 6.
Deutschmann, Tobe C., Boston, Mass., to Tobe C. Deutschmann, Canton, Mass. Wires, cables, jacks, etc. 215,329; renewed July 13, 1946. O. G. Nov. 5. Class 21.
Dudley, Carl, Beverly Hills, Calif. Series of exclusively pictorial motion picture films. 425,138; Nov. 5; Serial No. 493,484; published Aug. 13, 1946. Class 26.
Durma Products Company: *See*—
Blaustone, Arnold.
Dynamatic Corporation, Kenosha, Wis. Dynamometers. 425,108; Nov. 5; Serial No. 487,607; published Aug. 6, 1946. Class 26.
Emerson Shoe Mfg. Co., Rockland, Mass., to R. P. Hazzard Co., Augusta, Maine. Leather shoes. 221,158; renewed Nov. 23, 1946. O. G. Nov. 5. Class 39.
Fawcett Publications, Inc., Greenwich, Conn. Monthly publication. 425,149; Nov. 5; Serial No. 494,788; published Aug. 13, 1946. Class 38.
Fels & Company, to Fels & Company, Philadelphia, Pa. Soap. 57,674; re-renewed Nov. 27, 1946. O. G. Nov. 5. Class 4.
Flower Foods, Inc., Maywood, Ill. Scripts for monologues, dialogues, dramatic sketches, and radio broadcasts. 425,136; Nov. 5; Serial No. 492,829; published Aug. 13, 1946. Class 38.
Food Cooperative, Inc., Chicago, Ill. Cheese. 425,223; Nov. 5. Class 46.
Fry, J. M., Company: *See*—
Fry, Justin M.
Fry, Justin M., doing business as J. M. Fry Company, Richmond, Va. Anti-oxidation compound. 425,178; Nov. 5; Serial No. 497,661; published Aug. 13, 1946. Class 6.
General Chemical Company, New York, N. Y. Normally gaseous halogenated hydrocarbons; normally gaseous chemicals. 425,170–1; Nov. 5; Serial Nos. 496,696–7; published Aug. 13, 1946. Class 6.
Glidden Company, The, doing business as A. Wilhelm Company, Cleveland, Ohio, and Reading, Pa. Bubble forming composition. 425,124; Nov. 5; Serial No. 490,754; published Aug. 13, 1946. Class 6.
Goldberg, Ernest W., doing business as Golde Manufacturing Company, Chicago, Ill. Still picture projectors, slide and strip film projectors and parts thereof, etc. 425,105–6; Nov. 5; Serial Nos. 485,214–15; published Aug. 13, 1946. Class 26.
Golde Manufacturing Company: *See*—
Goldberg, Ernest W.
Grand Junction Seed Co., to Mile High Seed Company, Grand Junction, Colo. Field, garden, and flower seeds. 221,136; renewed Nov. 23, 1946. O. G. Nov. 5. Class 1.
Guidry, Delferes E., Port Lavaca, Tex. Medicinal preparation. 425,186; Nov. 5; Serial No. 498,062; published Aug. 6, 1946. Class 6.
Hagan & Dodd Co., to The Red Rock Company, Atlanta, Ga. Ginger-ale. 53,598; re-renewed June 5, 1946. O. G. Nov. 5. Class 45.
Hanna Paint Manufacturing Company, The, Columbus, Ohio. Ready-mixed paints. 221,233; renewed Nov. 23, 1946. O. G. Nov. 5. Class 16.
Hart, Alfred V., executor under the will of Edward L. Megill, doing business as Edward L. Megill, to Alfred L. Megill, Brooklyn, N. Y. Gauge pins and feed guides. 220,709; renewed Nov. 16, 1946. O. G. Nov. 5. Class 23.
Hart, Alfred V., executor under the will of Edward L. Megill, doing business as Edward L. Megill, to Alfred L. Megill, Brooklyn, N. Y. Gauge pins and feed guides. 220,711; renewed Nov. 16, 1946. O. G. Nov. 5. Class 23.

Hart, Alfred V., executor under the will of Edward L. Megill, doing business as Edward L. Megill, to Alfred L. Megill, Brooklyn, N. Y. Gauge pins and feed guides. 220,713–17; renewed Nov. 16, 1946. O. G. Nov. 5. Class 23.

Hat Corporation of America: *See*—
Crofut & Knapp Co., The.

Hazzard, R. P., Co.: *See*—
Emerson Shoe Mfg. Co.

Heald Machine Company, The, Worcester, Mass. Precision grinding machines. 221,128; renewed Nov. 23, 1946. O. G. Nov. 5. Class 23.

Hearst Corporation, The, New York, N. Y. Newspaper section or department. 425,165; Nov. 5; Serial No. 495,670; published Aug. 13, 1946. Class 38.

Heberlein & Co., A. G., Wattwil, Switzerland. Fabrics of cotton, wool, linen, etc. 214,102; renewed June 15, 1946. O. G. Nov. 5. Class 42.

Herlene Textile Company: *See*—
Berman, M., & Son, Inc.

Hinck, Otto H., New York, N. Y. Unbleached cotton sheetings, bleached fabrics, and yarn-dyed fabrics. 220,845; renewed Nov. 16, 1946. O. G. Nov. 5. Class 42.

Holeproof Hosiery Co., Milwaukee, Wis. Hosiery. 57,783; re-renewed Nov. 27, 1946. O. G. Nov. 5. Class 39.

Horton & Converse, Los Angeles, Calif. Preparations used in the treatment of spasmodic cough, hiccough, whooping cough, etc. 425,140; Nov. 5; Serial No. 493,871; published Aug. 13, 1946. Class 6.

Hudnut, Richard, New York, N. Y. Pamphlets comprising a course of exercises and beauty treatments. 425,104; Nov. 5; Serial No. 480,658; published Aug. 13, 1946. Class 38.

Huntington Laboratories, Inc., Indianapolis, Ind. Insecticide. 425,187; Nov. 5; Serial No. 498,141; published Aug. 13, 1946. Class 6.

Imperial Chemical (Pharmaceuticals) Limited, Slough, England. Chemical substances for use as antiseptics, bactericides, antimalarials, etc. 425,096; Nov. 5; Serial No. 463,200; published Dec. 4, 1945. Class 6.

Independent Oil and Gas Company, Tulsa, Okla., to Phillips Petroleum Company, Bartlesville, Okla. Gasoline, kerosene, and other liquid motor fuel. 213,586; renewed June 1, 1946. O. G. Nov. 5. Class 15.

Independent Oil and Gas Company, Tulsa, to Phillips Petroleum Company, Bartlesville, Okla. Axle greases, gear greases, and lubricating greases, etc. 213,587; renewed June 1, 1946. O. G. Nov. 5. Class 15.

Infilco Incorporated: *See*—
International Filter Co.

International Filter Co., to Infilco Incorporated, Chicago, Ill. Water-softening materials. 215,869; renewed July 27, 1946. O. G. Nov. 5. Class 6.

Intner, William, Company, Inc., New York, N. Y. Bed springs, studio couches, divans, and folding beds. 425,128; Nov. 5; Serial No. 491,757; published Aug. 13, 1946. Class 32.

Irresistible, Inc., New York, N. Y. Men's colognes. 425,152; Nov. 5; Serial No. 494,847; published Aug. 13, 1946. Class 6.

Irwin-Harrisons-Whitney, Inc., Philadelphia, Pa. Tea. 221,005; renewed Nov. 23, 1946. O. G. Nov. 5. Class 46.

Isley Doubleday & Co.: *See*—
Otis Oil Company, Inc.

Italian American Vineyard Company, to San Gabriel Vineyard Company, San Gabriel, Calif. Wines. 220,990; renewed Nov. 23, 1946. O. G. Nov. 5. Class 47.

Johnson, Ellis M., doing business as Johnson Wood Specialties, Chicago, Ill. Wooden wall shelves. 425,213; Nov. 5. Class 32.

Johnson Wood Specialties: *See*—
Johnson, Ellis M.

Juilliard, A. D., & Co., Inc.: *See*—
Atlantic Mills, The.
New York Mills Corporation.

Kannenglesser & Company, New York, N. Y. Flaked dried bananas. 425,217; Nov. 5. Class 46.

Kantzler, John, & Sons, Bay City, Mich. Ready-cut houses and lumber. 220,138; renewed Nov. 2, 1946. O. G. Nov. 5. Class 12.

Kaye, David, doing business as Kaye Laboratories, Brooklyn, N. Y. Vitaminic preparations. 425,150; Nov. 5; Serial No. 494,793; published Aug. 13, 1946. Class 6.

Kaye Laboratories: *See*—
Kaye, David.

Kraemer, Leo., Newark, N. J. Hamburger. 425,211; Nov. 5. Class 46.

Kraft, Mike, doing business as Vitabev Bottling Co., Philadelphia, Pa. Non-alcoholic, maltless beverage. 425,146; Nov. 5; Serial No. 494,564; published Aug. 6, 1946. Class 45.

Lancome S. A., Paris, France. Perfumes and rouges. 425,129; Nov. 5; Serial No. 491,851; published Aug. 13, 1946. Class 6.

La Salle Company, The: *See*—
Salesky, Harry.

La Salle Hat Company, Inc.: *See*—
Salesky, Harry.

Lee Rubber & Tire Corporation, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 425,103; Nov. 5; Serial No. 480,597; published Aug. 20, 1946. Class 35.

Lehn & Fink Products Corporation: *See*—
Parfumerie J. Lesquendieu (Societe Anonyme).

Licoreria Garcia: *See*—
Arcelay, J. O. Garcia.

Lockwood Trade Journal Company, Inc., New York, N. Y. Weekly trade magazine. 219,483; renewed Oct. 19, 1946. O. G. Nov. 5. Class 38.

Maff, John: *See*—
Maffenbeier, John.

Maff, John, Inc.: *See*—
Maffenbeier, John.

Maffenbeier, John, doing business as John Maff, to John Maff, Inc., Newark, N. J. Varnish specialties and compositions. 220,694; renewed Nov. 16, 1946. O. G. Nov. 5. Class 11.

Maltine Company, The, New York, N. Y. Antacid for the control of gastric acidity. 425,200; Nov. 5; Serial No. 499,064; published Aug. 13, 1946. Class 6.

Manhattan Shirt Company, The, New York, N. Y. Textile underwear for men. 221,071; renewed Nov. 23, 1946. O. G. Nov. 5. Class 39.

Manufacturing Company of America, to Thos. D. Richardson Company, Philadelphia, Pa. Candy. 57,717; re-renewed Nov. 27, 1946. O. G. Nov. 5. Class 46.

Marwin Dyestuff Corporation, Jersey City, N. J. Dyestuff. 425,222; Nov. 5. Class 6.

Maskuline Underwear Co., Inc., New York, N. Y. Men's and boys' shirts, sport jackets, pajamas, etc. 425,137; Nov. 5; Serial No. 493,373; published Aug. 20, 1946. Class 39.

Mazzoli, Peter, Brooklyn, N. Y. Coffee. 425,221; Nov. 5. Class 46.

Megill, Alfred L.: *See*—
Hart, Alfred V.

Megill, Edward L.: *See*—
Hart, Alfred V.

Merlich, M. C., Port Townsend, Wash. Astringent for diarrhetic ailments in cattle. 425,185; Nov. 5; Serial No. 498,016; published Aug. 13, 1946. Class 6.

Metal Craft Company, The, Detroit, Mich. Automobile body hinges, flat-washer stampings, and spring-washer assemblies. 220,283; renewed Nov. 9, 1946. O. G. Nov. 5. Class 13.

Micke, W. G., Lodi, Calif. Fresh grapes. 208,894; renewed Feb. 9, 1946. O. G. Nov. 5. Class 46.

Mile High Seed Company: *See*—
Grand Junction Seed Co.

Morrissey Sales and Service Co.: *See*—
Morrissey, William J., Jr.

Morrissey, William J., Jr., doing business as Morrissey Sales and Service Co., Newark, N. J. Preparation for removing and elimination of soot, scale and sludge, etc. from steam boilers, oil containers, etc. 425,167; Nov. 5; Serial No. 496,037; published Aug. 13, 1946. Class 6.

Murray, Edgar A., Co., Detroit, Mich. Insecticide or insect exterminator. 425,119; Nov. 5; Serial No. 489,820; published Aug. 6, 1946. Class 6.

Murray, Edgar A., Co., Detroit, Mich. Insecticide or insect exterminator. 425,120; Nov. 5; Serial No. 489,822; published Aug. 6, 1946. Class 6.

National Oil Products Company, Harrison, N. J. Chemical composition. 425,132–3; Nov. 5; Serial Nos. 492,152–3; published Aug. 6, 1946. Class 6.

National Research Corporation, Boston, Mass. Vacuum or pressure gauge. 425,141; Nov. 5; Serial No. 494,230; published Aug. 13, 1946. Class 26.

National Starch Products Inc., New York, N. Y. Resin and starch adhesives. 425,121; Nov. 5; Serial No. 490,075; published Aug. 13, 1946. Class 5.

Nebel, Oscar, Hosiery Corporation, Verona, Va. Hosiery. 425,194; Nov. 5; Serial No. 498,356; published Aug. 13, 1946. Class 39.

New England Lime Company, Pittsfield, to New England Lime Company, Adams, Mass. Pulverized lime. 221,364; renewed Nov. 30, 1946. O. G. Nov. 5. Class 12.

New York Mills Corporation, to A. D. Juilliard & Co., Inc., New York, N. Y. Plain and fancy corduroys. 216,606; renewed Aug. 17, 1946. O. G. Nov. 5. Class 42.

New York World-Telegram Corporation, New York, N. Y. Title for a column cotnaining news of interest to veterans. 425,126; Nov. 5; Serial No. 491,498; published Aug. 13, 1946. Class 38.

Niagara Alkali Company, Niagara Falls, N. Y. Tetrachloro phthalic anhydride. 425,190; Nov. 5; Serial No. 498,247; published Aug. 13, 1946. Class 6.

North American Philips Company, Inc., Dobbs Ferry, N. Y. X-ray apparatus. 425,168; Nov. 5; Serial No. 496,458; published Aug. 6, 1946. Class 26.

Northeastern Products, Inc., Boston, Mass. Insecticide. 425,139; Nov. 5; Serial No. 493,813; published Aug. 6, 1946. Class 6.

Ohio Brass Company, The, Mansfield, Ohio. Metal castings such as copper, brass, and bronze castings, etc. 215,546; renewed July 20, 1946. O. G. Nov. 5. Class 14.

Old Fashion Ma's Root Beer Bottling Company, Wilkes-Barre, Pa. Nonalcoholic, noncereal, maltless beverages. 425,205; Nov. 5. Class 45.

Otis Oil Company, Inc., to Isley Doubleday & Co., New York, N. Y. Lubricating oil and grease. 210,702; renewed Mar. 23, 1946. O. G. Nov. 5. Class 15.

Paint Engineers, Incorporated, New York, N. Y., and Hawthorne, N. J. Fungus inhibiting and impregnating chemicals. 425,130; Nov. 5; Serial No. 491,996; published Aug. 13, 1946. Class 6.

Palomino Sportswear Company, Los Angeles, Calif. Men's sportswear. 425,188; Nov. 5; Serial No. 498,166; published Aug. 13, 1946. Class 39.

Panhandle Refining Company, Wichita Falls, Tex. Petroleum products. 218,618; renewed Sept. 28, 1946. O. G. Nov. 5. Class 15.

Parfumerie J. Lesquendieu (Societe Anonyme), Paris, France, to Lehn & Fink Products Corporation, Bloomfield, N. J. Perfume, toilet water, face powder, etc. 220,323; renewed Nov. 9, 1946. O. G. Nov. 5. Class 6.

Parfums D'Artimon: *See*—
Wilde, John P.

Park & Tilford, New York, N. Y. Perfume, toilet water, face powder, etc. 425,189; Nov. 5; Serial No. 498,167; published Aug. 6, 1946. Class 6.

Patterson, S. J., Company, The, Dayton, Ohio. Coal. 218,558; renewed Sept. 28, 1946. O. G. Nov. 5. Class 1.

Peerless Photo Products, Inc., New York, N. Y. Developing, fixing, and transferring bath chemicals. 425,113; Nov. 5; Serial No. 488,971; published Aug. 13, 1946. Class 6.

Pego y Ca., S. en C., to Cifuentes y Compañlt, Habana, Cuba. Cigars, cigarettes, and cut tobacco. 211,718; renewed Apr. 20, 1946. O. G. Nov. 5. Class 17.

Pelton Spudnut Company, assignee: *See*—
Pelton, Walter A.

Pelton, Walter A., Salt Lake City, assignor to Pelton Spudnut Company, Salt Lake City, Utah. Doughnuts. 425,225; Nov. 5. Class 46.

Penick, S. B., & Company, New York, N. Y. Perfume base used as a constituent in the manufacture of perfumes. 425,176; Nov. 5; Serial No. 497,406; published Aug. 6, 1946. Class 6.

Pennzoil Co., Inc., The, Buffalo, N. Y., to The Pennzoil Company, Oil City, Pa. Lubricants in oil and grease form. 220,123; renewed Nov. 2, 1946. O. G. Nov. 5. Class 15.

Pennzoil Company, The: *See*—
Pennzoil Co. Inc., The.

Pernod S. A. (Société Anonyme), Couvet, Switzerland. Cordials. 425,095; Nov. 5; Serial No. 419,934; published July 25, 1939. Class 49.

Pessl, Helene, Inc., New York, N. Y. Toilet water, hand lotion, shampoo, etc. 425,100; Nov. 5; Serial No. 477,368; published Apr. 17, 1945. Class 6.

Phillips Petroleum Company: *See*—
Independent Oil and Gas Company.

Pickrell, George D., doing business as George Pickrell Laboratory, Chicago, Ill. Perfume. 425,099; Nov. 5; Serial No. 475,070; published Feb. 12, 1946. Class 6.

Pickrell, George, Laboratory: *See*—
Pickrell, George D.

Pinaud, Incorporated, New York, N. Y. Perfumed soaps, toilet soaps, shaving soap sticks, etc. 221,036; renewed Nov. 23, 1946. O. G. Nov. 5. Class 4.

Pitman-Moore Co.: *See*—
Allied Laboratories, Inc.

Pittsburgh Crushed Steel Co. Limited, to Pittsburgh Crushed Steel Company, Pittsburgh, Pa. Abrasives. 57,227; re-renewed Nov. 6, 1946. O. G. Nov. 5. Class 4.

Pittsburgh Crushed Steel Company: *See*—
Pittsburgh Crushed Steel Co. Limited.

Plymouth Packing Company, Plymouth, Mass. Canned minced clams. 425,214; Nov. 5. Class 46.

Ponemah Mills, Taftville, Conn. Cotton piece goods. 221,341; renewed Nov. 30, 1946. O. G. Nov. 5. Class 42.

Puritan Chemical Company, Atlanta, Ga. Chemical preparation. 425,166; Nov. 5; Serial No. 495,987; published Aug. 13, 1946. Class 6.

Quaker Chemical Products Corporation, Conshohocken, Pa. Emulsions of waxes. 425,154; Nov. 5; Serial No. 494,921; published Aug. 13, 1946. Class 6.

Quaker Oats Company, The: *See*—
American Cereal Company, The.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 214,791; renewed July 6, 1946. O. G. Nov. 5. Class 46.

Rayotex Knitting Mills, The, to The Rayotex Knitting Mills, Inc., Perry, N. Y. Men's and women's underwear. 219,049; renewed Oct. 12, 1946. O. G. Nov. 5. Class 39.

Rayotex Knitting Mills, Inc., The: *See*—
Rayotex Knitting Mills, The.

Red Rock Company, The: *See*—
Hagan & Dodd Co.

Replica Products Company, New York, N. Y. Offset lithography chemical solutions. 425,192; Nov. 5; Serial No. 498,311; published Aug. 16, 1946. Class 6.

Revoc, Inc., doing business as Cover Girl, New York, N. Y. Waste baskets, boxes made of paper, cardboard, leather, or plastic material. 425,110; Nov. 5; Serial No. 488,369; published Aug. 20, 1946. Class 2.

Rhodesia Broken Hill Development Company, Limited, The, London, England. Electrolytic zinc. 215,822; renewed July 27, 1946. O. G. Nov. 5. Class 14.

Richardson, Thos., D., Company: *See*—
Manufacturing Company of America.

Richter, F. Ad., & Co., to F. Ad. Richter & Co. Inc. Liniment. 220,309; renewed Nov. 9, 1946. O. G. Nov. 5. Class 6.

Richter, F. Ad., & Co. Inc.: *See*—
Richter, F. Ad., & Co.

Riley, Stephen, Company: *See*—
Riley, Stephen E.

Riley, Stephen E., doing business as Stephen Riley Company, Los Angeles, Calif. Bubble bath preparation. 425,197; Nov. 5; Serial No. 498,460; published Aug. 13, 1946. Class 6.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton diaper cloth in the piece. 220,563; renewed Nov. 9, 1946. O. G. Nov. 5. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton diapers. 220,580; renewed Nov. 9, 1946. O. G. Nov. 5. Class 39.

Robbins, Reginald, doing business under the name of Stratosphere Products Company, Los Angeles, Calif. Liquid anti-freeze composition. 425,180–1; Nov. 5; Serial Nos. 497,742–3; published Aug. 6, 1946. Class 6.

Rosenstein, Nettie, Inc., New York, N. Y. Perfume and cologne. 425,142; Nov. 5; Serial No. 494,287; published Aug. 13, 1946. Class 6.

Rosenthal, S., & Co., Inc., Cincinnati, Ohio. Publication issued periodically. 425,173; Nov. 5; Serial No. 497,043; published Aug. 6, 1946. Class 38.

Royal Indian Cosmetic Co.: *See*—
Ali, Mohammed.

Rutlee Chemical Company, Inc., Perth Amboy, N. J., and Washington, D. C. Antacid preparation for internal use. 425,174; Nov. 5; Serial No. 497,202; published Aug. 6, 1946. Class 6.

Salem Products Corp., New York, N. Y. Shoulder pads. 425,207–10; Nov. 5. Class 40.

Salesky, Harry, doing business as The La Salle Company, to La Salle Hat Company, Inc., Philadelphia, Pa. Men's and boys' hats and caps. 215,898; renewed July 27, 1946. O. G. Nov. 5. Class 39.

Sanchis, Jose, Newark, N. J. Automatically operated dispensers. 425,155; Nov. 5; Serial No. 495,338; published Aug. 13, 1946. Class 26.

San Gabriel Vineyard Company: *See*—
Italian American Vineyard Company.

Saponified Products Company, Inc., Oakland, Calif. Preparation for cleaning and protecting the skin. 425,224; Nov. 5. Class 4.

Schering Corporation, Bloomfield, N. J. Urinary antiseptic. 425,159; Nov. 5; Serial No. 495,631; published May 21, 1946. Class 6.

Schering Corporation, Bloomfield, N. J. Medicinal preparation. 425,160; Nov. 5; Serial No. 495,632; published May 21, 1946. Class 6.

Schwarz, Max, New York, N. Y. Textile piece goods. 425,212; Nov. 5. Class 42.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin and mineral preparation. 425,143; Nov. 5; Serial No. 494,366; published Aug. 13, 1946. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in treating skin conditions. 425,144; Nov. 5; Serial No. 494,367; published Aug. 6, 1946. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Sedative and antispasmodic suppositories. 425,147; Nov. 5; Serial No. 494,718; published Aug. 13, 1946. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 425,134; Nov. 5; Serial No. 492,342; published Aug. 13, 1946. Class 6.

Simplex Time Recorder Co., Gardner, Mass. Time stamps. 425,156; Nov. 5; Serial No. 495,413; published Aug. 13, 1946. Class 26.

Skinner Manufacturing Company, assignee: *See*—
Anderson-Stolz Pharmaceuticals, Inc.

Smith Brothers, Inc., Poughkeepsie, N. Y. Cough drops. 425,169; Nov. 5; Serial No. 496,735; published Aug. 13, 1946. Class 6.

Smith, Fred L., Paola, Kans. Insecticides. 425,161; Nov. 5; Serial No. 495,635; published Aug. 13, 1946. Class 6.

Smoler, Boris, & Sons, Inc., Chicago, Ill. Women's and misses' dresses. 425,206; Nov. 5. Class 39.

Société & Responsabilité Limitée: Garven, Paris, France. Perfumes. 425,157; Nov. 5; Serial No. 495,415; published Aug. 13, 1946. Class 6.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris, France. Perfumes. 425,117; Nov. 5; Serial No. 489,537; published Apr. 16, 1946. Class 6.

Spiegel, J. K., doing business as M. Spiegel Medicine Co., Albany, N. Y. Liniment. 425,151; Nov. 5; Serial No. 494,802; published Aug. 13, 1946. Class 6.

Spiegel, M., Medicine Co.: *See*—
Spiegel, J. K.

Stratosphere Products Company: *See*—
Robbins, Reginald.

Street & Smith Publications, Inc., New York, N. Y. Column in a periodical published at intervals. 425,172; Nov. 5; Serial No. 496,933; published Aug. 6, 1946. Class 38.
Sun Oil Company, Philadelphia, Pa. Plasticizer for rubber. 425,145; Nov. 5; Serial No. 494,371; published Aug. 13, 1946. Class 6.
Sunspray Beverages, Inc., Long Island City, N. Y. Fresh fruit beverages. 425,122–3; Nov. 5; Serial Nos. 490,468–9; published Aug. 13, 1946. Class 45.
Tayton Company, The, Chicago, Ill. Disposable tissues. 425,131; Nov. 5; Serial No. 492,111; published Aug. 13, 1946. Class 6.
Titanine, Inc., Union, N. J. Lacquers, varnishes, japans, etc. 221,165; renewed Nov. 23, 1946. O. G. Nov. 5. Class 16.
Tolis, George, Spencer, Mass. Salve and ointment. 425,125; Nov. 5; Serial No. 491,374; published Aug. 13, 1946. Class 6.
Tompkins-Kiel Marble Co., New York, to Tompkins-Kiel Marble Co., Long Island, N. Y. Marbles, stones, granite, etc. 220,363; renewed Nov. 9, 1946. O. G. Nov. 5. Class 1.
Treasure Masters Corporation: *See*—
Treasure Masters.
Tritch, George, Hardware Company, The, to Whitney Sporting Goods Company, Denver, Colo. Trout flies and leaders. 213,574; renewed June 1, 1946. O. G. Nov. 5. Class 22.
Trufood Limited, London and Wrenbury, near Nantwich, Cheshire, to Trufood Limited, London, England. Milk powder for food. 217,906; renewed Sept. 14, 1946. O. G. Nov. 5. Class 46.
United Hosiery Mills Corporation, Chattanooga, Tenn. Hosiery. 221,202; renewed Nov. 23, 1946. O. G. Nov. 5. Class 39.
United States Gypsum Company, Chicago, Ill. Calcined gypsum, wall plasters, cement plasters, etc. 219,129; renewed Oct. 12, 1946. O. G. Nov. 5. Class 12.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 425,118; Nov. 5; Serial No. 489,627; published Aug. 13, 1946. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 425,162–4; Nov. 5; Serial Nos. 495,639–41; published Aug. 13, 1946. Class 6.
Vapor Engineering Corporation, Burbank, Calif. Degreasing solvent. 425,193; Nov. 5; Serial No. 498,329; published Aug. 13, 1946. Class 6.
Vereinigte Chininfabriken Zimmer & Co., Ges mit Beschränkter Haftung, Frankfort-on-the-Main, Germany, to The Chemical Foundation, Incorporated, New York, N. Y. Derivatives of cinchona alkaloids. 54,088; re-renewed June 19, 1946. O. G. Nov. 5. Class 6.
Vernay, Arthur S., Inc., New York, N. Y. Furniture polish. 221,183; renewed Nov. 23, 1946. O. G. Nov. 5. Class 16.
Verona Tool Works, Pittsburgh, to Woodings-Verona Tool Works, Verona, Pa. Railroad-track, blacksmiths', stonemasons', etc. tools. 28,858; re-renewed Sept. 1, 1946. O. G. Nov. 5. Class 23.
Viscuso, Vincent, McKeesport, Pa. Healing salve. 425,097; Nov. 5; Serial No. 474,683; published Aug. 13, 1946. Class 6.
Vitabev Bottling Co.: *See*—
Kraft, Mike.
Voris Laboratories, The: *See*—
Voris, Louis R.
Voris, Louis R., doing business as The Voris Laboratories, Hagerstown, Md. Rust removing chemical composition. 425,183; Nov. 5; Serial No. 497,828; published Aug. 13, 1946. Class 6.
Walker, Fred, & Co., Proprietary Limited, Melbourne, Victoria, to Kraft Walker Cheese Company Proprietary Limited, South Melbourne, Victoria, Australia. Corned beef. 217,746; renewed Sept. 7, 1946. O. G. Nov. 5. Class 46.
Walker, Kraft, Cheese Company Proprietary Limited: *See*—
Walker, Fred, & Co. Proprietary Limited.
Warren, W., Thread Works: *See*—
Clark, John J., & Co.
Waugh Equipment Company, New York, N. Y. Apparatus for measuring magnetic fields. 425,127; Nov. 5; Serial No. 491,535; published Aug. 13, 1946. Class 26.
Wegener's Inc., Detroit, Mich. Non-alcoholic, non-cereal, maltless beverages. 425,203; Nov. 5; Serial No. 500,152; published Aug. 13, 1946. Class 45.
Westinghouse Electric Corporation, East Pittsburgh, Pa., and Baltimore, Md. X-ray apparatus. 425,107; Nov. 5; Serial No. 487,294; published Aug. 13, 1946. Class 26.
Westinghouse Electric Corporation, East Pittsburgh, Pa., and Baltimore, Md. X-ray apparatus. 425,135; Nov. 5; Serial No. 492,410; published Aug. 13, 1946. Class 26.
White Sewing Machine Co., to White Sewing Machine Corporation, Cleveland, Ohio. Family sewing-machines, manufacturing sewing-machines, sewing-machine attachments, etc. 57,873; re-renewed Nov. 27, 1946. O. G. Nov. 5. Class 23.
White Sewing Machine Corporation: *See*—
White Sewing Machine Co.
Whitney Sporting Goods Company: *See*—
Tritch, George, Hardware Company.
Wiggin's, H. B., Sons Company, Bloomfield, N. J. Draperies, hangings, and woven fabrics. 55,129; re-renewed Aug. 7, 1946. O. G. Nov. 5. Class 42.
Wilde, John P., doing business as Parfums D'Artimon, New York, N. Y. Perfume, toilet water, and lotion vegetale. 425,198–9; Nov. 5; Serial Nos. 498,560–1; published Aug. 13, 1946. Class 6.
Wilhelm, A., Company: *See*—
Glidden Company, The.
Wilkinson, Gaddis & Co., Newark, N. J., to American Stores Company, Philadelphia, Pa. Rolled oats. 54,591; re-renewed June 26, 1946. O. G. Nov. 5. Class 46.
Winthrop Chemical Company, Inc., New York, N. Y. Flour bleach. 425,191; Nov. 5; Serial No. 498,264; published Aug. 13, 1946. Class 6.
Wolff, William E., doing business as Daz-L-Dent Laboratories, Kansas City, Mo. Tooth powder. 425,158; Nov. 5; Serial No. 495,561; published Aug. 13, 1946. Class 6.
Woodings-Verona Tool Works: *See*—
Verona Tool Works.
Young, Alexander, Distilling Co., Philadelphia, Pa. Liqueur. 425,182; Nov. 5; Serial No. 497,762; published Aug. 13, 1946. Class 49.
Zadek Feldstein Co., Inc., New York, N. Y. Powder for use as a rinse. 425,109; Nov. 5; Serial No. 487,831; published Aug. 13, 1946. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. S. J. Patterson Company. 218,558; renewed Sept. 28, 1946. O. G. Nov. 5.
Marbles, stones, granite, etc. Tompkins-Kiel Marble Co. 220,363; renewed Nov. 9, 1946. O. G. Nov. 5.
Seeds, Field, garden, and flower. Grand Junction Seed Co. 221,136; renewed Nov. 23, 1946. O. G. Nov. 5.
Shrubs, rosebushes, vines, etc. Brown Brothers Company. 221,134; renewed Nov. 23, 1946. O. G. Nov. 5.

CLASS 2

Baskets, boxes made of paper, cardboard, leather or plastic material, Waste. Revoc, Inc. 425,110; Nov. 5; Serial No. 488,369; published Aug. 20, 1946.
Baskets, Various kinds of. Burlington Basket Company. 220,693; renewed Nov. 16, 1946. O. G. Nov. 5.

CLASS 4

Abrasives. Pittsburgh Crushed Steel Co. Limited. 57,227; re-renewed Nov. 6, 1946. O. G. Nov. 5.
Preparation for cleaning and protecting the skin Saponified Products Company, Inc. 425,224; Nov. 5.
Soap. Fels & Company. 57,674; re-renewed Nov. 27, 1946. O. G. Nov. 5.
Soaps, toilet soaps, shaving soap sticks, etc., Perfumed. Pinaud, Incorporated. 221,036; renewed Nov. 23, 1946. O. G. Nov. 5.

CLASS 5

Adhesives, Resin and starch. National Starch Products Inc. 425,121; Nov. 5; Serial No. 490,075; published Aug. 13, 1946.

CLASS 6

Anesthetic, Topical surface. Anodex Laboratories, Inc. 425,115; Nov. 5; Serial No. 489,309; published Aug. 13, 1946.
Antacid for the control of gastric acidity. Maltine Company. 425,200; Nov. 5; Serial No. 499,064; published Aug. 13, 1946.
Antacid preparation for internal use. Rutlee Chemical Company, Inc. 425,174; Nov. 5; Serial No. 497,202; published Aug. 6, 1946.
Anthelmintic tablets. Allied Laboratories, Inc. 425,179; Nov. 5; Serial No. 497,690; published Aug. 13, 1946.
Anti-oxidation compound. J. M. Fry. 425,178; Nov. 5; Serial No. 497,661; published Aug. 13, 1946.
Antiseptic, Urinary. Schering Corporation. 425,159; Nov. 5; Serial No. 495,631; published May 21, 1946.
Astringent for diarrhetic ailments in cattle. M. C. Merlich. 425,185; Nov. 5; Serial No. 498,016; published Aug. 13, 1946.
Bacteriologic preparations used for destroying rats and mice. A/S Bakteriologisk Laboratorium "Ratin." 215,280; renewed July 13, 1946. O. G. Nov. 5.
Baits, Rat. Cenol Company, Inc. 425,184; Nov. 5; Serial No. 497,992; published Aug. 13, 1946.

Bath chemicals, Developing, fixing and transferring. Peerless Photo Products, Inc. 425,113; Nov. 5; Serial No. 488,971; published Aug. 13, 1946.
Bath preparation, Bubble. S. E. Riley. 425,197; Nov. 5; Serial No. 498,460; published Aug. 13, 1946.
Bubble forming composition. Glidden Company. 425,124; Nov. 5; Serial No. 490,754; published Aug. 13, 1946.
Chemical composition. National Oil Products Company. 425,132–3; Nov. 5; Serial Nos. 492,152–3; published Aug. 6, 1946.
Chemical composition, Rust removing. L. R. Voris. 425,183; Nov. 5; Serial No. 497,828; published Aug. 13, 1946.
Chemical preparation. Puritan Chemical Company. 425,166; Nov. 5; Serial No. 495,987; published Aug. 13, 1946.
Chemical solution, Offset lithography. Replica Products Company. 425,192; Nov. 5; Serial No. 498,311; published Aug. 6, 1946.
Chemical substances for use as antiseptics, bactericides, antimalarials, etc. Imperial Chemical (Pharmaceuticals) Limited. 425,096; Nov. 5; Serial No. 463,200; published Dec. 4, 1945.
Cinchona alkaloids, Derivatives of. Vereinigte Chininfabriken Zimmer & Co., Ges mit Beschränkter Haftung. 54,088; re-renewed June 19, 1946. O. G. Nov. 5.
Colognes, Men's. Irresistible, Inc. 425,152; Nov. 5; Serial No. 494,847; published Aug. 13, 1946.
Cough drops. Smith Brothers, Inc. 425,169; Nov. 5; Serial No. 496,735; published Aug. 13, 1946.
Deodorant and antiseptic in liquid form. Anderson-Stolz Pharmaceuticals, Inc. 425,195; Nov. 5; Serial No. 498,380; published Aug. 13, 1946.
Dyestuff. Marwin Dyestuff Corporation. 425,222; Nov. 5.
Emulsions of waxes. Quaker Chemical Products Corporation. 425,154; Nov. 5; Serial No. 494,921; published Aug. 13, 1946.
Flour bleach. Winthrop Chemical Company, Inc. 425,191; Nov. 5; Serial No. 498,264; published Aug. 13, 1946.
Fungicidal preparation. Carborose Company. 425,114; Nov. 5; Serial No. 489,100; published Aug. 13, 1946.
Fungus inhibiting and impregnating chemicals. Paint Engineers, Incorporated. 425,130; Nov. 5; Serial No. 491,996; published Aug. 13, 1946.
Hydrocarbons; normally gaseous chemicals, Normally gaseous halogenated. General Chemical Company. 425,170–1; Nov. 5; Serial Nos. 496,696–7; published Aug. 13, 1946.
Insecticide. Huntington Laboratories, Inc. 425,187; Nov. 5; Serial No. 498,141; published Aug. 13, 1946.
Insecticide. Northeastern Products, Inc. 425,139; Nov. 5; Serial No. 493,813; published Aug. 6, 1946.
Insecticide or insect exterminator. Edgar A. Murray Co. 425,119; Nov. 5; Serial No. 489,820; published Aug. 6, 1946.
Insecticide or insect exterminator. Edgar A. Murray Co. 425,120; Nov. 5; Serial No. 489,822; published Aug. 6, 1946.
Insecticides. F. L. Smith. 425,161; Nov. 5; Serial No. 495,635; published Aug. 13, 1946.
Insecticides and fungicides. Sherwin-Williams Company. 425,134; Nov. 5; Serial No. 492,342; published Aug. 13, 1946.
Liniment. F. Ad. Richter & Co. 220,309; renewed Nov. 9, 1946. O. G. Nov. 5.
Liniment. J. K. Spiegel. 425,151; Nov. 5; Serial No. 494,802; published Aug. 13, 1946.
Liquid anti-freeze composition. R. Robbins. 425,180–1; Nov. 5; Serial Nos. 497,742–3; published Aug. 6, 1946.
Medicinal preparation. D. E. Guidry. 425,186; Nov. 5; Serial No. 498,062; published Aug. 6, 1946.
Medicinal preparation. Schering Corporation. 425,160; Nov. 5; Serial No. 495,632; published May 21, 1946.
Medicinal preparation. Upjohn Company. 425,118; Nov. 5; Serial No. 489,627; published Aug. 13, 1946.
Medicinal preparation. Upjohn Company. 425,162–4; Nov. 5; Serial Nos. 495,639–41; published Aug. 13, 1946.
Medicinal preparations. Alninol Corporation. 425,177; Nov. 5; Serial No. 497,437; published Aug. 6, 1946.
Ointment. C. L. S. Products Corp. 425,098; Nov. 5; Serial No. 474,878; published July 3, 1945.
Perfume. G. D. Pickrell. 425,099; Nov. 5; Serial No. 475,070; published Feb. 12, 1946.
Perfume and cologne. Nettie Rosenstein, Inc. 425,142; Nov. 5; Serial No. 494,287; published Aug. 13, 1946.
Perfume base used as a constituent in the manufacture of perfumes. S. B. Penick & Company. 425,176; Nov. 5; Serial No. 497,406; published Aug. 6, 1946.
Perfume, toilet water, and lotion vegetale. J. P. Wilde. 425,198–9; Nov. 5; Serial Nos. 498,560–1; published Aug. 13, 1946.
Perfume, toilet water, face powder, etc. Parfumerie J. Lesquendieu (Societe Anonyme). 220,323; renewed Nov. 9, 1946. O. G. Nov. 5.
Perfume, toilet water, face powder, etc. Park & Tilford. 425,189; Nov. 5; Serial No. 498,167; published Aug. 6, 1946.
Perfumes. Societe A Responsabilité Limitée; Carven. 425,157; Nov. 5; Serial No. 495,415; published Aug. 13, 1946.
Perfumes. Societe D'Etudes Et D'Expansion De La Parfumerie De Luxe. 425,117; Nov. 5; Serial No. 489,537; published Apr. 16, 1946.
Perfumes and rouges. Lancome S. A. 425,129; Nov. 5; Serial No. 491,851; published Aug. 13, 1946.
Plasticizer for rubber. Sun Oil Company. 425,145; Nov. 5; Serial No. 494,371; published Aug. 13, 1946.
Pomade after-shaving lotion, white cleaning cream, etc., Hair. M. Ali. 425,175; Nov. 5; Serial No. 497,359; published Aug. 13, 1946.
Powder for use as a rinse. Zadek Feldstein Co., Inc. 425,109; Nov. 5; Serial No. 487,831; published Aug. 13, 1946.
Powder, rouge, lipstick and cologne, Face. Farel Destin, Inc. 425,101; Nov. 5; Serial No. 479,470; published July 31, 1945.
Preparation for removing and elimination of soot, scale and sludge, etc., from steam boilers, oil containers, etc. W. J. Morrissey, Jr. 425,167; Nov. 5; Serial No. 496,037; published Aug. 13, 1946.
Preparation for the treatment of colds and coughs. J. Deans. 425,153; Nov. 5; Serial No. 494,891; published Aug. 13, 1946.
Preparation for treating athlete's foot and callouses. A. Blaustone. 425,216; Nov. 5.
Preparation for use in treating skin conditions. Sharp & Dohme, Incorporated. 425,144; Nov. 5; Serial No. 494,367; published Aug. 6, 1946.
Preparation used in the treatment of spasmodic cough, hiccough, whooping cough, etc. Horton & Converse. 425,140; Nov. 5; Serial No. 493,871; published Aug. 13, 1946.
Salve and ointment. G. Tolis. 425,125; Nov. 5; Serial No. 491,374; published Aug. 13, 1946.
Salve, Healing. V. Viscuso. 425,097; Nov. 5; Serial No. 474,683; published Aug. 13, 1946.
Shampoo for the hair. Brooks Brothers. 425,102; Nov. 5; Serial No. 479,917; published May 14, 1946.
Solvent. Degreasing. Vapor Engineering Corporation. 425,193; Nov. 5; Serial No. 498,329; published Aug. 13, 1946.
Suppositories, Sedative and antispasmodic. Sharp & Dohme, Incorporated. 425,147; Nov. 5; Serial No. 494,713; published Aug. 13, 1946.
Tetrachloro phthalic anhydride. Niagara Alkali Company. 425,190; Nov. 5; Serial No. 498,247; published Aug. 13, 1946.
Tissues, Disposable. Tayton Company. 425,131; Nov. 5; Serial No. 492,111; published Aug. 13, 1946.
Toilet water, hand lotion, shampoo, etc. Helene Pessl, Inc. 425,100; Nov. 5; Serial No. 477,368; published Apr. 17, 1945.
Tonic preparations and compounds. Brown Mfg. Co. 57,845; re-renewed Nov. 27, 1946. O. G. Nov. 5.
Tooth powder. W. E. Wolff. 425,158; Nov. 5; Serial No. 495,561; published Aug. 13, 1946.
Vaginal suppositories. Borden Company. 425,196; Nov. 5; Serial No. 498,389; published Aug. 13, 1946.
Vitamin and mineral preparation. Sharp & Dohme, Incorporated. 425,143; Nov. 5; Serial No. 494,366; published Aug. 13, 1946.
Vitaminic preparations. D. Kaye. 425,150; Nov. 5; Serial No. 494,793; published Aug. 13, 1946.
Water-softening materials. International Filter Co. 215,869; renewed July 27, 1946. O. G. Nov. 5.

CLASS 11

Varnish specialties and compositions. J. Maffenbeier. 220,694; renewed Nov. 16, 1946. O. G. Nov. 5.

CLASS 12

Calcined gypsum, wall plasters, cement plaster, etc. United States Gypsum Company. 219,129; renewed Oct. 12, 1946. O. G. Nov. 5.
Houses and lumber, Ready-cut. John Kantzler & Sons. 220,138; renewed Nov. 2, 1946. O. G. Nov. 5.
Lime, Pulverized. New England Lime Company. 221,364; renewed Nov. 30, 1946. O. G. Nov. 5.

CLASS 13

Hinges, flat-washers stampings, and spring-washers assemblies, Automobile body. Metal Craft Company. 220,283; renewed Nov. 9, 1946. O. G. Nov. 5.

CLASS 14

Castings such as copper, brass, and bronze castings, etc., Metal. Ohio Brass Company. 215,546; renewed July 20, 1946. O. G. Nov. 5.
Zinc, Electrolytic. Rhodesia Broken Hill Development Company, Limited. 215,822; renewed July 27, 1946. O. G. Nov. 5.

CLASS 15

Gasoline, kerosene, and other liquid motor fuel. Independent Oil and Gas Company. 213,586; renewed June 1, 1946. O. G. Nov. 5.
Gasoline, kerosene, fuel oil petroleum distillate. W. H. Barber Company. 212,271; renewed Apr. 27, 1946. O. G. Nov. 5.
Greases, gear greases, and lubricating greases, etc., Axle. Independent Oil and Gas Company. 213,587; renewed June 1, 1946. O. G. Nov. 5.

Lubricants in oil and grease form. Pennzoil Co. Inc. 220,123; renewed Nov. 2, 1946. O. G. Nov. 5.
Oil and grease, Lubricating. Otis Oil Company, Inc. 210,702; renewed Mar. 23, 1946. O. G. Nov. 5.
Petroleum products. Panhandle Refining Company. 218,618; renewed Sept. 28, 1946. O. G. Nov. 5.

CLASS 16

Composition coating or varnishes. David B. Crockett Company. 28,385; re-renewed June 16, 1946. O. G. Nov. 5.
Lacquers, varnishes, japans, etc. Titanina, Inc. 221,165; renewed Nov. 23, 1946. O. G. Nov. 5.
Paint, paint enamels, varnish stains, etc., House. Con-Ferro Paint & Varnish Company. 221,175; renewed Nov. 23, 1946. O. G. Nov. 5.
Paints, Ready-mixed. Hanna Paint Manufacturing Company. 221,233; renewed Nov. 23, 1946. O. G. Nov. 5.
Polish, Furniture. Arthur S. Vernay, Inc. 221,183; renewed Nov. 23, 1946. O. G. Nov. 5.
Varnish-stains. David B. Crockett Company. 53,950; re-renewed June 19, 1946. O. G. Nov. 5.

CLASS 17

Cigars, cigarettes, and cut tobacco. Pego y Ca., S. en C. 211,718; renewed Apr. 20, 1946. O. G. Nov. 5.

CLASS 21

Wires, cables, jacks, etc. T. C. Deutschmann. 215,329; renewed July 13, 1946. O. G. Nov. 5.

CLASS 22

Flies and leaders, Trout. George Tritch Hardware Company. 213,574; renewed June 1, 1946. O. G. Nov. 5.

CLASS 23

Pins and feed guides, Gauge. A. V. Hart. 220,709; renewed Nov. 16, 1946. O. G. Nov. 5.
Pins and feed guides, Gauge. A. V. Hart. 220,711; renewed Nov. 16, 1946. O. G. Nov. 5.
Pins and feed guides, Gauge. A. V. Hart. 220,713–17; renewed Nov. 16, 1946. O. G. Nov. 5.
Precision grinding machines. Heald Machine Company. 221,128; renewed Nov. 23, 1946. O. G. Nov. 5.
Sewing-machines, manufacturing sewing-machines, sewing-machine attachments, Family. White Sewing Machine Co. 57,873; renewed Nov. 27, 1946. O. G. Nov. 5.
Tools, Railroad-track, blacksmiths', stonemasons', etc. Verona Tool Works. 28,858; re-renewed Sept. 1, 1946. O. G. Nov. 5.

CLASS 26

Apparatus for measuring magnetic fields. Waugh Equipment Company. 425,127; Nov. 5; Serial No. 491,535; published Aug. 13, 1946.
Dispensers, Automatically operated. J. Sanchis. 425,155; Nov. 5; Serial No. 495,338; published Aug. 13, 1946.
Dynamometers. Dynamatic Corporation. 425,108; Nov. 5; Serial No. 487,607; published Aug. 6, 1946.
Gauge, Vacuum or pressure. National Research Corporation. 425,141; Nov. 5; Serial No. 494,230; published Aug. 13, 1946.
Motion picture films, Series of exclusively pictorial. C. Dudley. 425,138; Nov. 5; Serial No. 493,484; published Aug. 13, 1946.
Optical film viewing apparatus and optical apparatus for viewing printed matter. Bol, Ltd. 425,111; Nov. 5; Serial No. 488,445; published Aug. 6, 1946.
Projectors, slide and strip film projectors and parts therefor, etc., Still picture. E. W. Goldberg. 425,105–6; Nov. 5; Serial Nos. 485,214–15; published Aug. 13, 1946.
Time stamps. Simplex Time Recorder Co. 425,156; Nov. 5; Serial No. 495,413; published Aug. 13, 1946.
X-ray apparatus. Westinghouse Electric Corporation. 425,107; Nov. 5; Serial No. 487,294; published Aug. 13, 1946.
X-ray apparatus. Westinghouse Electric Corporation. 425,135; Nov. 5; Serial No. 492,410; published Aug. 13, 1946.
X-ray apparatus. North American Philips Company, Inc. 425,168; Nov. 5; Serial No. 496,458; published Aug. 6, 1946.

CLASS 32

Shelves, Wooden wall. E. M. Johnson. 425,213; Nov. 5.
Springs, studio couches, divans and folding beds, Bed. William Intner Company, Inc. 425,128; Nov. 5; Serial No. 491,757; published Aug. 13, 1946.

CLASS 35

Hose, distillate hose, tank wagon hose, etc., Gasoline. Lee Rubber & Tire Corporation. 425,103; Nov. 5; Serial No. 480,597; published Aug. 20, 1946.

CLASS 38

Column containing news of interest to veterans, Title for a. New York World-Telegram Corporation. 425,126; Nov. 5; Serial No. 491,498; published Aug. 13, 1946.
Magazine, Weekly trade. Lockwood Trade Journal Company, Inc. 219,483; renewed Oct. 19, 1946. O. G. Nov. 5.
Newspaper section or department. Hearst Corporation. 425,165; Nov. 5; Serial No. 495,670; published Aug. 13, 1946.
Periodical published at intervals, Column in a. Street & Smith Publications, Inc. 425,172; Nov. 5; Serial No. 496,933; published Aug. 6, 1946.
Phamplets comprising a course of exercises and beauty treatments. R. Hudnut. 425,104; Nov. 5; Serial No. 480,658; published Aug. 13, 1946.
Printed and otherwise reproduced record cards. Bol. Ltd. 425,112; Nov. 5; Serial No. 488,446; published Aug. 6, 1946.
Publication issued periodically. S. Rosenthal & Co., Inc. 425,173; Nov. 5; Serial No. 497,043; published Aug. 6, 1946.
Publication, Monthly. Fawcett Publications, Inc. 425,149; Nov. 5; Serial No. 494,788; published Aug. 13, 1946.
Publications containing cartoons and comics published from time to time. Dandy Publishing Company. 425,116; Nov. 5; Serial No. 489,449; published Aug. 6, 1946.
Scripts for monologues, dialogues, dramatic sketches, and radio broadcasts. Flower Foods, Inc. 425,136; Nov. 5; Serial No. 492,829; published Aug. 13, 1946.

CLASS 39

Caps and hats of felt, straw, silk, etc., for men and women. Crofut & Knapp Co. 220,944; renewed Nov. 16, 1946. O. G. Nov. 5.
Clothes, Children's play. M. Berman & Son, Inc. 425,215; Nov. 5.
Diapers, Cotton. Riverside & Dan River Cotton Mills, Inc. 220,580; renewed Nov. 9, 1946. O. G. Nov. 5.
Dresses, Women's and misses'. Boris Smoler & Sons, Inc. 425,206; Nov. 5.
Hats and caps, Men's and boys'. H. Salesky. 215,898; renewed July 27, 1946. O. G. Nov. 5.
Hosiery. Holeproof Hosiery Co. 57,783; re-renewed Nov. 27, 1946. O. G. Nov. 5.
Hosiery. Oscar Nebel Hosiery Corporation. 425,194; Nov. 5; Serial No. 498,356; published Aug. 13, 1946.
Hosiery. United Hosiery Mills Corporation. 221,202; renewed Nov. 23, 1946. O. G. Nov. 5.
Shirts, sport jackets, pajamas, etc., Men's and boys', Maskuline Underwear Co., Inc. 425,137; Nov. 5; Serial No. 493,373; published Aug. 20, 1946.
Shoes, Leather. Emerson Shoe Mfg. Co. 221,158; renewed Nov. 23, 1946. O. G. Nov. 5.
Sportswear, Men's. Palomino Sportswear Company. 425,188; Nov. 5; Serial No. 498,166; published Aug. 13, 1946.
Underwear for men, Textile. Manhattan Shirt Company. 221,071; renewed Nov. 23, 1946. O. G. Nov. 5.
Underwear, Men's and women's. Rayotex Knitting Mills. 219,049; renewed Oct. 12, 1946. O. G. Nov. 5.

CLASS 40

Iron, Non-electric curling. Adolph's Beauty Products Co. 425,219; Nov. 5.
Pads, Shoulder. Salem Products Corp. 425,207–10; Nov. 5.

CLASS 42

Cloth, Billiard. Brunswick-Balke-Collender Company. 220,818; renewed Nov. 16, 1946. O. G. Nov. 5.
Corduroys, Plain and fancy. New York Mills Corporation. 216,606; renewed Aug. 17, 1946. O. G. Nov. 5.
Cotton diaper cloth in the piece. Riverside & Dan River Cotton Mills, Inc. 220,563; renewed Nov. 9, 1946. O. G. Nov. 5.
Cotton goods in the piece. American Bleached Goods Company, Inc. 221,020; renewed Nov. 23, 1946. O. G. Nov. 5.
Cotton goods in the piece. American Bleached Goods Company, Inc. 221,114; renewed Nov. 23, 1946. O. G. Nov. 5.
Cotton piece goods. Ponomah Mills. 221,341; renewed Nov. 30, 1946. O. G. Nov. 5.
Cotton sheetings, bleached fabrics, and yarn-dyed fabrics, Unbleached. O. H. Hinck. 220,845; renewed Nov. 16, 1946. O. G. Nov. 5.
Draperies, hangings, and woven fabrics. H. B. Wiggin's Sons Company. 55,129; re-renewed Aug. 7, 1946. O. G. Nov. 5.
Fabrics of cotton, wool, linen, etc. A. G. Heberlein & Co. 214,102; renewed June 15, 1946. O. G. Nov. 5.
Textile piece goods. M. Schwarz. 425,212; Nov. 5.
Woolen dress goods and dress fabrics. Atlantic Mills. 216,731–2; renewed Aug. 17, 1946. O. G. Nov. 5.

CLASS 43

Spool-cotton or sewing-thread. John J. Clark & Co. 57,785; re-renewed Nov. 27, 1946. O. G. Nov. 5.

CLASS 45

Beverage, Non-alcoholic maltless. M. Kraft. 425,146; Nov. 5; Serial No. 494,564; published Aug. 6, 1946.

Beverages, Fresh fruit. Sunspray Beverages, Inc. 425,122–3; Nov. 5; Serial Nos. 490,468–9; published Aug. 13, 1946.
Beverages, Non-alcoholic, non-cereal, maltless. Cloverdale Spring Company. 425,202; Nov. 5; Serial No. 499,943; published Aug. 13, 1946.
Beverages, Nonalcoholic, noncereal, maltless. Old Fashion Ma's Root Beer Bottling Company. 425,205; Nov. 5.
Beverages, Non-alcoholic, non-cereal, maltless. Wegener's Inc. 425,203; Nov. 5; Serial No. 500,152; published Aug. 13, 1946.
Ginger-ale. Hagan & Dodd Co. 53,598; re-renewed June 5, 1946. O. G. Nov. 5.

CLASS 46

Bananas, Flake dried. Kannengiesser & Company. 425,217; Nov. 5.
Beef, Corned. Fred Walker & Co. Proprietary Limited. 217,746; renewed Sept. 7, 1946. O. G. Nov. 5.
Candy. Manufacturing Company of America. 57,717; re-renewed Nov. 27, 1946. O. G. Nov. 5.
Canned minced clams. Plymouth Packing Company. 425,214; Nov. 5.
Cheese. Food Cooperative, Inc. 425,223; Nov. 5.
Chicken with rice, and frozen chicken with noodles, Frozen. American Poultry Company. 425,220; Nov. 5.
Coffee. P. Mazzoli. 425,221; Nov. 5.
Doughnuts. W. A. Pelton. 425,225; Nov. 5.
Fruits and vegetables, Frozen. Cascade Frozen Foods, Inc. 425,204; Nov. 5.
Grapes, Fresh. W. G. Micke. 208,894; renewed Feb. 9, 1946. O. G. Nov. 5.
Hamburger. L. Kraemer. 425,211; Nov. 5.
Melons, fresh vegetables and frozen vegetables, Fresh. Danna and Danna. 425,218; Nov. 5.
Milk powder for food. Trufood Limited. 217,906; renewed Sept. 14, 1946. O. G. Nov. 5.
Oatmeal, rolled oats, cracked wheat, etc. American Cereal Company. 57,620; re-renewed Nov. 13, 1946. O. G. Nov. 5.
Oats, Rolled. Quaker Oats Company. 214,791; renewed July 6, 1946. O. G. Nov. 5.
Oats, Rolled. Wilkinson, Gaddis & Co. 54,591; re-renewed June 26, 1946. O. G. Nov. 5.
Rice, Prepared. American Cereal Company. 56,707–8; re-renewed Oct. 16, 1946. O. G. Nov. 5.
Salad dressing and french dressing. Daniels Food Products Co. 425,226; Nov. 5.
Soups, vegetables, fruits, etc. Curtice Brothers Co. 56,714; re-renewed Oct. 16, 1946. O. G. Nov. 5.
Tea. Irwin-Harrisons-Whitney, Inc. 221,005; renewed Nov. 23, 1946. O. G. Nov. 5.

CLASS 47

Wines. Italian American Vineyard Company. 220,990; renewed Nov. 23, 1946. O. G. Nov. 5.

CLASS 49

Cordials. J. O. G. Arcelay. 425,148; Nov. 5; Serial No. 494,770; published Aug. 13, 1946.
Cordials. Pernod S. A. (Société Anonyme). 425,095; Nov. 5; Serial No. 419,934; published July 25, 1939.
Liqueur. Alexander Young Distilling Co. 425,182; Nov. 5; Serial No. 497,762; published Aug. 13, 1946.
Whiskey. Consolidated Distilleries, Inc. 425,201; Nov. 5; Serial No. 499,318; published Aug. 13, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Howland, Louis H., Watertown, and P. T. Paul, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Antioxidants. Re. 22,808; Nov. 5.

Loeb, Lawrence A., New Haven, Conn. Dishwashing machine. Re. 22,809; Nov. 5.

Miller, Albert W., Jamaica, N. Y. Detachable coupling. Re. 22,810; Nov. 5.

Paul, Philip T.: *See*—
Howland, Louis H., and Paul.

United States Rubber Company, assignee: *See*—
Howland, Louis H., and Paul.

LIST OF DESIGN PATENTEES

Adrian, Matthew B., Milwaukee, Wis. Foot X-ray machine. 145,864; Nov. 5.

Aleshin, Evelyn, San Francisco, Calif. Doll head. 145,865; Nov. 5.

Aleshin, Evelyn, San Francisco, Calif. Doll head. 145,866; Nov. 5.

Fletcher, Frank P., Pasadena, Calif. Holder for flowers or other slender articles. 145,867; Nov. 5.

Fletcher, Frank P., Pasadena, Calif. Holder for flower or other slender articles. 145,868; Nov. 5.

Gallinagh, Edwin H., Kansas City, Mo. Advertising device or similar article. 145,869; Nov. 5.

Giordano, Nicholas J., assignee: *See*—
Keil, Frank J.

Green, Warren, Noroton Heights, Conn., and P. Schladermundt, Bronxville, assignors to Salz Bros. Inc., New York, N. Y. Fountain pen. 145,870; Nov. 5.

Keil, Frank J., Queens Village, assignor to N. F. Giordano, Brooklyn, N. Y. Embroidered textile fabric. 145,871; Nov. 5.

Lamberg, Albert E., Fillmore, Calif. Clock. 145,872; Nov. 5.

Nowak, Leon, J., Jr., Chicago, Ill. Toy boat or similar article. 145,873; Nov. 5.

Pauly, Leonard J., Chicago, Ill. Tie rack. 145,874; Nov. 5.

Plebanek, Leonard Z., Chicago, Ill. Rolling clown ball. 145,875; Nov. 5.

Ross, James, Hubbard Woods, Ill. Luminous ash tray. 145,876; Nov. 5.

Salz Bros. Inc., assignee: *See*—
Green, Warren, and Schladermundt.

Schladermunt, Peter: *See*—
Green, Warren, and Schladermundt.

Tucker, Gordon, Minneapolis, Minn. Score pad holder. 145,877; Nov. 5.

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Abbott Laboratories, assignee: *See*—
Fields, Mack R.
Acton, Russel D.: *See*—
Messenger, Robert P., and Acton.
Adams, J. D., Manufacturing Company, assignee: *See*—
Small, Everett T.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Rehberg, Chessie E., and Fisher.
Alien Property Custodian: *See*—
Fuscaldo, Ottavio.
Garnier, Claude E.
Hentrich, Winfrid, and Kaiser.
Hitzelberger, Erwin.
Kirchner, Ignatz A.
Müller, Helmut, and Pischinger.
Nettel, Friedrich.
Robinson, James P.
Shinomiya, Shigeru.
Soldan, Otto.
Springer, Berthold.
Von Hagen, Kurt.
Allen, Charles F. H., Rochester, N. Y., and A. Bell, Knoxville, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Sulfamyl benzotriazoles. 2,410,619; Nov. 5.
Allen, Charles F. H., Rochester, N. Y., and A. Bell, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Sulfonamidobenzimidazoles. 2,410,620; Nov. 5.
Allied Control Company, Inc., assignee: *See*—
Gwyn, Childress B., Jr.
Allied Laboratories, Inc., assignee: *See*—
Donleavy, John J.
Aluminum Company of America, assignee: *See*—
Andrews, Raynal W., Jr., and Deily.
American Cyanamid Company, assignee: *See*—
Booth, Robert B., and Carpenter.
Davis, Harold S.
Pleger, Karl G., and Hill.
Winnek, Philip S., and Roblin.
American Paper Bottle Company, The, assignee: *See*—
Monroe, Charles Z.
American Steel Foundries, assignee: *See*—
Heater, Charles L.
Hess, Relza J., and Cizek.
American Viscose Corporation, assignee: *See*—
Nelson, Seddon C.
Ames Baldwin Wyoming Co., assignee: *See*—
Harte, Richard.
Andersen, Carl N., Wellesley, assignor to Lever Brothers Company, Cambridge, Mass. Vitamin and mineral dietary supplement and making. 2,410,417; Nov. 5.
Anderson, Church, Arcadia, Calif. Floor or wall safety box. 2,410,475; Nov. 5.
Andrews, O. B., Company, assignee: *See*—
Turner, William E.
Andrews, Raynal W., Jr., New Kensington, and A. T. Deily, assignors to Aluminum Company of America, Pittsburgh, Pa. Carriage for metal drawing apparatus. 2,410,594; Nov. 5.
Appleton, Arthur I., Northbrook, and C. H. Stahl, Villa Park, assignors to Appleton Electric Company, Chicago, Ill. Spinning tool. 2,410,476; Nov. 5.
Appleton Electric Company, assignee: *See*—
Appleton, Arthur I., and Stahl.
Arma Corporation, assignee: *See*—
Davis, Arthur P.
Davis, Arthur P., and Macomber.
Armstrong Cork Company, assignee: *See*—
McGarvey, Alan R.
Arnold Hoffman & Co., Incorporated, assignee: *See*—
Morgan, Willard, and McLeod.
Arsenault, Joseph A., Mexico, Maine. Combination ski and snowshoe. 2,410,702; Nov. 5.
Askania Regulator Company, assignee: *See*—
Glass, Paul.
Ateliers Neyret-Beylier & Piccard-Pictet (Societe Anonyme), assignee: *See*—
Danel, Pierre F.
Auer, Laszlo, South Orange, N. J. Modification of alkyd resins. 2,410,418; Nov. 5.
Automatic Electric Laboratories, Inc., assignee: *See*—
Ostline, John E.
Babbitt, Bethel J., Riverside, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Optical quartz crystal testing apparatus. 2,410,621; Nov. 5.

Backstrom, Adolph, Hempstead, N. Y. Airplane wheel attachment. 2,410,622; Nov. 5.
Bacon, Raymond F., Bronxville, and R. Fanelli, New Rochelle, assignors to Texas Gulf Sulphur Company, New York, N. Y. Rubberlike products. 2,410,595; Nov. 5.
Bailey, Donald, Puritan Mines, W. Va. Flexible loading pan. 2,410,561; Nov. 5.
Baker Perkins Limited, assignee: *See*—
Tunley, Allan A.
Ball, Albert I.: *See*—
Kirchner, Henry P., and Ball.
Ballard, Seaver A., and J. A. Perona, Oakland, assignors to Shell Development Company, San Francisco, Calif. Rubber tackifier. 2,410,623; Nov. 5.
Barany, Edmund, Syracuse, N. Y. Fruit juice extractor. 2,410,562; Nov. 5.
Baumann, Karl, Mere, Knutsford, England, assignor to Metropolitan Vickers Electrical Company Limited, London, England. Turbine, turbine type compressor, and the like rotating machine. 2,410,769; Nov. 5.
Bausch & Lomb Optical Company, assignee: *See*—
Bouchard, Samuel E.
Eckert, Clarence J.
Street, Donald T.
Becker, Earl A., Topeka, Kans. Clothes rack or stand. 2,410,563; Nov. 5.
Bell Aircraft Corporation, assignee: *See*—
Trotter, John C.
Bell, Alan: *See*—
Allen, Charles F. H., and Bell.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Drake, Percy B.
Edwards, William H., and Richardson.
Joel, Amos E., Jr.
Bellezza, James, Jr., Richmond, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Snubber roller. 2,410,419; Nov. 5.
Belmont Radio Corporation, assignee: *See*—
Rankin, John A.
Bemis Bro. Bag Company, assignee: *See*—
Hannewald, Burton A., Lee, and Wheatley.
Bendix Aviation Corporation, assignee: *See*—
Hood, Edwin E.
Hurley, Roy T.
Schultz, Harold B.
Thompson, Albert L.
Wisman, F. O., and Rohn.
Bennett, Robert B., Detroit, Mich. Scraper. 2,410,420; Nov. 5.
Berkoff, Seymour, and R. B. Dome, assignors to General Electric Company, Bridgeport, Conn. Electron discharge circuit. 2,410,703; Nov. 5.
Bethlehem Steel Company, assignee: *See*—
Joy, Robert F.
Stevens, Richard H.
Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Nonicing carburetor. 2,410,564; Nov. 5.
Bjorkman, Carl G., assignee: *See*—
Lange, Felix.
Black, Lee: *See*—
Sells, Gale, Johnson, and Black.
Bliss, E. W., Company, assignee: *See*—
Cannon, Earl.
Blumberg, David, Bridgeport, Conn. Two cycle engine. 2,410,477; Nov. 5.
Bodine, Albert G., Jr., Burbank, assignor to The Calpat Corporation, Los Angeles, Calif. Method of and apparatus for starting engines. 2,410,403; Nov. 5.
Booth, Robert B., Springdale, and J. E. Carpenter, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of fluorite. 2,410,770; Nov. 5.
Borngesser, Otto J., Burlington, N. J., assignor, by mesne assignments, to Kaiser Cargo, Inc., Bristol, Pa. Hydraulic jack. 2,410,771; Nov. 5.
Bouchard, Samuel E., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,410,704; Nov. 5.
Boucher, Charles P., Paterson, N. J., assignor, by mesne assignments, to National Inventions Corporation. Transformer apparatus. 2,410,624; Nov. 5.
Boudreau, Joseph M., New York, N. Y. Treating surfaces. 2,410,626; Nov. 5.
Boyar-Schultz Corporation, assignee: *See*—
Gideon, Victor W.
Boyd, Harold A., Glasgow, Scotland. Spinning and twisting machine. 2,410,705; Nov. 5.

Bradford, Aaron C., Thayer, Mo. Sliding vane engine or pump. 2,410,596; Nov. 5.
Bradley, William E., Swarthmore, and N. Johnson, Penn Wynne, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Device for measuring high frequency power. 2,410,706; Nov. 5.
Bradley, William E., Swarthmore, and N. Johnson, Penn Wynne, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Device for measuring high-frequency power. 2,410,707; Nov. 5.
Brady, James M., Washington, D. C. Solar operated electric switch. 2,410,421; Nov. 5.
Brand, Arthur, New York, N. Y. Toy. 2,410,627; Nov. 5.
Branner, Bernard D., Waterford, Conn. Landing gear for aircraft. 2,410,625; Nov. 5.
Breene, George A., Emlenton, and L. D. Garratt, New Castle, Pa. Glassmaking machinery. 2,410,422; Nov. 5.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Generator type burner. 2,410,478; Nov. 5.
Breitenstein, Charles T.: *See*—
Breither, Robert H., Selden, Breitenstein, and Nicolaus.
Breither, Robert H., H. L. Selden, C. T. Breitenstein, and F. G. Nicolaus, assignors to Raymond T. Maloney, Chicago, Ill. Variable stroke mechanism. 2,410,708; Nov. 5.
Brigham, Harlow *R.*: See—
Sheppard, Samuel E., and Brigham.
Brinson, Thomas F., assignor to Scripto Manufacturing Company, Atlanta, Ga. Fountain pen. 2,410,423; Nov. 5.
Brockhurst, James B., Red Bank, N. J. Engine. 2,410,565; Nov. 5.
Brooks, Herbert W., assignor to Sargent & Company, New Haven, Conn. Food chopper. 2,410,709; Nov. 5.
Brown, Charles H., Baldwin, N. Y., assignor to Radio Corporation of America. Obstacle detection system. 2,410,424; Nov. 5.
Brown, Frederick W., Mount Holly, N. J. Knitting machine and knitting. 2,410,710; Nov. 5.
Brown, George H., and D. W. Peterson, Princeton, N. J., assignors to Radio Corporation of America. Antenna system. 2,410,597; Nov. 5.
Brunette, Louis P., Farmington, Conn. Fireplace wood elevator. 2,410,628; Nov. 5.
Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Organic polybasic acid polyesters of hydroxydihydronorpolycyclopentadienes. 2,410,425; Nov. 5.
Buchanan, J. D., Burbank, Calif. Valve. 2,410,404; Nov. 5.
Budd Company, The, assignee: *See*—
Eksergian, Carolus L.
Haag, Carl J.
Ledwinka, Joseph.
Burrows, Roscoe T., Mystic, Conn. Lawn mower sharpener. 2,410,566; Nov. 5.
Bush, Burton T., Incorporated, assignee: *See*—
Schwarzkopf, Otto.
Butler, Gordon C., Ottawa, Ontario, E. Lozinski, Westmount, Quebec, and A. D. Odell, Suffield, Alberta, Canada. Preparation of new sulphonamide derivatives. 2,410,772; Nov. 5.
Byrum, Charles F.: *See*—
Edwards, Martin A., and Byrum.
Calpat Corporation, The, assignee: *See*—
Bodine, Albert G., Jr.
Campbell, G. G., assignee, et al.: *See*—
Sells, Gale, Johnson, and Black.
Canadian Bridge Company Limited, The, assignee: *See*—
Goodrich, Chauncey M.
Canady, Don, Cleveland, assignor to Dayton Acme Co., Cincinnati, Ohio. Motion picture apparatus. 2,410,711; Nov. 5.
Cannon, Earl, Rockville Centre, assignor to E. W. Bliss Company, Brooklyn, N. Y. Control for hydraulic presses. 2,410,712; Nov. 5.
Carborundum Company, The, assignee: *See*—
Kirchner, Henry P., and Ball.
Carlson, Frederick O., Cleveland Heights, assignor of one-half to A. J. Sullivan, Cleveland, Ohio. Flexible tape rule with lock and closure. 2,410,713; Nov. 5.
Carpenter, Joseph E.: *See*—
Booth, Robert B., and Carpenter.
Carroll, Clarence M., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter drive and timing mechanism. 2,410,629; Nov. 5.
Carter Carburetor Corporation, assignee: *See*—
Bichnell, George M.
Chandler-Evans Corporation, assignee: *See*—
Chandler, Milton E.
Chandler, Milton E., New Britain, Conn., assignor to Chandler-Evans Corporation. Fuel control mechanism. 2,410,773; Nov. 5.
Chandler, Milton E., New Britain, Conn., assignor to Chandler-Evans Corporation. Fuel injection metering mechanism. 2,410,774; Nov. 5.
Chaney, David H., U. S. Army, Cass County, N. Dak. Control system for remotely positioned radio apparatus. 2,410,426; Nov. 5.
Chappell, Bartlett H. S., Hurley, N. Y. Treating oils and fats. 2,410,427; Nov. 5.

Chilman, John A., Gloucester, England, assignor to Rotol Limited. Brake for electric motors. 2,410,630; Nov. 5.
Chilton, Roland, Ridgewood, and D. G. MacCulloch, Hawthorne, N. J., assignors to Wright Aeronautical Corporation. Control mechanism. 2,410,631; Nov. 5.
Christiansen, Christian, St. Cloud, Minn. Tractor mounted loader. 2,410,567; Nov. 5.
Cities Service Oil Company, assignee: *See*—
Morgan, John D.
Cizek, Frank G.: *See*—
Hess, Relza J., and Cizek.
Clark, Chauncey R., Miami, Fla. Rug securing means. 2,410,479; Nov. 5.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric and insulating composition. 2,410,714; Nov. 5.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Hydrogenated oil composition. 2,410,715; Nov. 5.
Cliffe, Walter R., Hershey, Pa. Rotary kiln. 2,410,598; Nov. 5.
Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Control apparatus. 2,410,568; Nov. 5.
Colley, Russell S., Kent, C. P. Krupp, Akron, and D. H. Shook, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Inflatable suit. 2,410,632; Nov. 5.
Conant, Alan B., San Francisco, Calif., assignor to Montgomery Brothers. Duplex sound recording and reproducing machine. 2,410,569; Nov. 5.
Conklin, James W., Indianapolis, Ind., assignors to Radio Corporation of America. Remote control system. 2,410,599; Nov. 5.
Cook, Anna M., administratrix: *See*—
Cook, Harry L.
Cook, Harry L., deceased, by A. M. Cook, administratrix, North Huntingdon Township, Westmoreland County, Pa. Air and fluid pressure cushion device. 2,410,716; Nov. 5.
Cornelius, Richard T., Minneapolis, Minn. Piston. 2,410,405; Nov. 5.
Corrêa, Alpoim, Rio de Janeiro, Brazil. Manual floor waxer and polisher. 2,410,634; Nov. 5.
Cotton, William, Limited, assignee: *See*—
Lynam, John E.
Counselman, Theodore B., Evanston, Ill., assignor to The Dorr Company, New York, N. Y. Treating rubber suspension. 2,410,633; Nov. 5.
Cowdrey, William A., and A. G. Murray, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Producing mepacrine dihydrochloride. 2,410,406; Nov. 5.
Cowles, Irving, Detroit, Mich., assignor of seventy percent to himself and 30 percent to R. W. Lotz, Chicago, Ill. Flexible conduit and coupling for same. 2,410,600; Nov. 5.
Cox, Fred W., Cuyahoga Falls, and J. M. Wallace, Jr., Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,410,775; Nov. 5.
Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Metallic compounds adapted to form an electrical contact. 2,410,717; Nov. 5.
Craftsman Line-Up Table Corporation, assignee: *See*—
West, James, and Davis.
Cranston Print Works Company, assignee: *See*—
Jones, Albert S.
Craver, John K., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Heat stable compositions. 2,410,635; Nov. 5.
Crawford, Alfred, assignor to Crawford Manufacturing Company, New Brunswick, N. J. Stop motion for knitting machines. 2,410,718; Nov. 5.
Crawford Manufacturing Company, assignee: *See*—
Crawford, Alfred.
Cress, William P., Lebanon, Mo. Short-circuit indicator. 2,410,636; Nov. 5.
Crockett, Robert E., Pompton Lakes, N. J., assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic separator. 2,410,601; Nov. 5.
Crompton & Knowles Loom Works, assignee: *See*—
Sepavich, Victor F.
Cronstedt, Val, Marlboro, and A. Kalitinsky, Eagleville, assignors to United Aircraft Corporation, East Hartford, Conn. Piston construction for compressor units. 2,410,428; Nov. 5.
Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Bearing. 2,410,719; Nov. 5.
Cutler-Hammer, Inc., assignee: *See*—
Cox, Irvin W.
Daman, Arthur C., assignor to Mining Process and Patent Company, Denver, Colo. Agitation and aeration apparatus. 2,410,429; Nov. 5.
Danel, Pierre F., assignor to Ateliers Neyret-Beylier & Piccard-Pictet (Societe Anonyme), Grenoble, France. Valve system for sea wave power installations. 2,410,430; Nov. 5.
Darby, George M., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Hydraulic sizer for suspended solids. 2,410,637; Nov. 5.

Davis, Arthur P., New York, assignor to Arma Corporation, Brooklyn, N. Y. Journalling mechanism. 2,410,602; Nov. 5.

Davis, Arthur P., New York, and J. K. Macomber, Rockville Centre, N. Y., assignors to Arma Corporation. Selective system for gunfire control. 2,410,638; Nov. 5.

Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant fitting. 2,410,480; Nov. 5.

Davis, Harold S., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Manufacture of hydracrylic acid. 2,410,776; Nov. 5.

Davis, Levi W., Marne, Mich. Boat trailer attachment. 2,410,570; Nov. 5.

Davis, William M.: *See*—
West, James, and Davis.

Dayton Acme Co., assignee: *See*—
Canady, Don.

Deere & Company, assignee: *See*—
Johnson, Ellsworth T.

Deere, John, Tractor Company, assignee: *See*—
McCormick, Elmer.

Delly, Arthur T.: *See*—
Andrews, Raynal W., Jr., and Delly.

Detroit Lubricator Company, assignee: *See*—
Dillman, Earnest J.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Expansion valve. 2,410,795; Nov. 5.

Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Lens coating apparatus. 2,410,720; Nov. 5.

Dings Magnetic Separator Co., assignee: *See*—
Crockett, Robert E.

Distillation Products, Inc., assignee: *See*—
Embree, Norris D., and Shantz.
Shantz, Edgar M.

Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Sliding car door. 2,410,484; Nov. 5.

Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,410,481; Nov. 5.

Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,410,482; Nov. 5.

Dome, Robert B.: *See*—
Berkoff, Seymour, and Dome.

Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Phase shifting circuit. 2,410,721; Nov. 5.

Donleavy, John J., Montclair, N. J., assignor to Allied Laboratories, Inc., Kansas City, Mo. Alkyl mercapto substituted amino benzoic acid alkamine amides, salts, intermediates and preparing same. 2,410,431; Nov. 5.

Dons, Eddie M., and O. G. Mauro, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Dewaxing oils. 2,410,483; Nov. 5.

Dorcey, Frances, Milwaukee, Wis. Apron. 2,410,639; Nov. 5.

Dorr Company, The, assignee: *See*—
Counselman, Theodore B.
Darby, George M.

Drake, Percy B., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism. 2,410,432; Nov. 5.

Dreshfield, Arthur C., assignor to Hercules Powder Company, Wilmington, Del. Dry rosin size and making the same. 2,410,433; Nov. 5.

Drying Systems, Inc., assignee: *See*—
Richardson, Donald E., and Yates.

Duboscland, Paul P. M., Buffalo, N. Y. Forming roll. 2,410,603; Nov. 5.

Du Nah, George W., Pasadena, Calif. Garment finisher. 2,410,485; Nov. 5.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bellezza, James, Jr.
Johnson, Charles W.
Joyce, Robert M., Jr.

Durland, John R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of carbamide derivatives. 2,410,407; Nov. 5.

Durland, John R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of vinyl compounds. 2,410,408; Nov. 5.

Easson, Alexander P. T.: *See*—
Newbery, George, and Easson.

Eastman Kodak Company, assignee: *See*—
Allen, Charles F. H., and Bell.
Carroll, Clarence W.
Fierke, Scheuring S., and Staud.
Fuerst, Carl C.
Luboshez, Benjamin E.
Salo, Martin, and Vivian.
Sheppard, Samuel E., and Brigham.
Smith, William F., and Stauffer.
Webb, Julian H.

Easton, Robert T., and A. H. Griffith, Los Angeles, Calif. Screw thread micrometer button. 2,410,571; Nov. 5.

Echikson, Elchanan, Maplewood, assignor to Pioneer Tool Company, Inc., Bloomfield, N. J. Cutlery. 2,410,572; Nov. 5.

Eckert, Clarence J., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Film viewing device. 2,410,722; Nov. 5.

Edwards, Martin A., Scotia, and C. F. Byrum, Schenectady, N. Y., assignors to General Electric Company. Turret control system. 2,410,723; Nov. 5.

Edwards, William H., Fort Monmouth, N. J., and M. S. Richardson, Wickford, R. I., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone. 2,410,434; Nov. 5.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Wheel and rim organization. 2,410,573; Nov. 5.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake arrangement. 2,410,574; Nov. 5.

Electric Controller & Manufacturing Company, The, assignee: *See*—
Wright, David C., and Ward.

Elliott, Harold F., Belmont, Mass. Program-scheduling apparatus. 2,410,724; Nov. 5.

Embree, Norris D., and E. M. Shantz, assignors to Distillation Products, Inc., Rochester, N. Y. Preparing substances having vitamin A activity and new vitaminous products. 2,410,575; Nov. 5.

Engle, Byron, Kansas City, Mo. Holster. 2,410,640; Nov. 5.

English, Elaine, administratrix: *See*—
English, Frank, and M. A.

English, Frank, Pasadena, and M. A. English, San Gabriel, Calif.; Elaine English, administratrix of F. English, deceased. Hoist. 2,410,777; Nov. 5.

English, Mark A.: *See*—
English, Frank, and M. A.

Esher, Frederick N.: *See*—
Van Auken, Howard C., and Esher.

Esson, Edwin, assignor to Locke Stove Company, Kansas City, Mo. Stove. 2,410,576; Nov. 5.

Evans, Guy J., Buffalo, N. Y. Foldable box. 2,410,486; Nov. 5.

Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Duplex radio system. 2,410,641; Nov. 5.

Evans, John O., Jr., U. S. Army, Washington, D. C. Cartridge for guns. 2,410,435; Nov. 5.

Eweson, Eric W., New York, N. Y. Smoker's article. 2,410,487; Nov. 5.

Ewing, Frederick J., Pasadena, assignor to Filtrol Corporation, Los Angeles, Calif. Catalysts and catalytic processes. 2,410,436; Nov. 5.

Fagan, Joseph S., Los Angeles, Calif. Floor furnace. 2,410,488; Nov. 5.

Fairchild Engine and Airplane Corporation, assignee: *See*—
Gregory, Alfred T.

Fanelli, Rocco: *See*—
Bacon, Raymond F., and Fanelli.

Farkas, Adalbert, and A. F. Stribley, Jr., Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Oxidation. 2,410,642; Nov. 5.

Farmer, Earl W., Wayzata, Minn. Construction toy element. 2,410,409; Nov. 5.

Fearey, James E.: *See*—
Huebner, Denis W., and Fearey.

Feldman, Nathan W., Newark, N. J. Computer. 2,410,437; Nov. 5.

Field, Oscar S.: *See*—
Wight, Sedgwick N., and Field.

Fielding, Charles S., Buffalo, N. Y. Rack and pinion mechanism. 2,410,643; Nov. 5.

Fields, Mack R., Chicago, Ill., assignor to Abbott Laboratories. Sifter package for pharmaceuticals. 2,410,438; Nov. 5.

Fierke, Scheuring S., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Development of photographic emulsions. 2,410,644; Nov. 5.

Filtrol Corporation, assignee: *See*—
Ewing, Frederick J.

Finley, Thomas M., Caledonia, Mo. Gasoline-resistant wood filler. 2,410,645; Nov. 5.

Finn, Alfred, Leaside, and L. Rostoker, Toronto, Ontario, Canada. Wheeled toy. 2,410,646; Nov. 5.

Fisher, Charles H.: *See*—
Rehberg, Chessie E., and Fisher.

Fitch, William A., Schenectady, N. Y., assignor to Radio Corporation of America. Nonlinear frequency modulation signaling system. 2,410,489; Nov. 5.

Fleischer, Max, and G. M. Mast, Detroit, Mich. Picture or film timer. 2,410,577; Nov. 5.

Flemming, Walter, and G. Stein, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of allyl chloride. 2,410,647; Nov. 5.

Flocker, Anthony M., Brooklyn, assignor to Kerlo Corporation, New York, N. Y. Eye protecting shields. 2,410,490; Nov. 5.

Fluor Corporation, Ltd., The, assignee: *See*—
Hutchinson, Arthur J. L.

Foley, Harold F.: *See*—
Letsinger, John H., and Foley.

Foote Bros. Gear and Machine Corporation, assignee: *See*—
Mackmann, Arthur.

Franklin, Alan P., Lower Kingswood, England. Stereoscopic apparatus in relation to cinematograph reproduction and television. 2,410,725; Nov. 5.

Friedman, Joseph L., Manhasset, N. Y. Flying propeller toy. 2,410,726; Nov. 5.

Friegel, William, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Shelf or rack for refrigerators, ovens, and the like. 2,410,648; Nov. 5.

Fruehauf Trailer Company, assignee: *See*—
Reid, Frederick M.

Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Method and apparatus for grinding small objects. 2,410,491; Nov. 5.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Setting shutter drive. 2,410,649; Nov. 5.

Furbish, Edward L., Chicago, Ill. Stool seat. 2,410,727; Nov. 5.

Fuscaldo, Ottavio, Milan, Italy; vested in the Alien Property Custodian. Internal-combustion engine. 2,410,728; Nov. 5.

Galvin Manufacturing Corporation, assignee: *See*—
Fruth, Hal F.

Garnier, Claude E., Besancon, France; vested in the Alien Property Custodian. Dental hand-piece chuck. 2,410,439; Nov. 5.

Garratt, Louis D.: *See*—
Breene, George A., and Garratt.

Garrow, John W., Copper Cliff, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y. Rod charging machine. 2,410,492; Nov. 5.

Garubo, Joseph J., Detroit, Mich. Storage and dispensing device. 2,410,410; Nov. 5.

General Aniline & Film Corporation, assignee: *See*—
Flemming, Walter, and Stein.

General Electric Company, assignee: *See*—
Berkoff, Seymour, and Dome.
Clark, Frank M.
Dome, Robert B.
Edwards, Martin A., and Byrum.
Hewlett, Clarence W.
Jenny, Alfred L.
Pugsley, Donald W.
Worcester, Joseph A., Jr.

General Motors Corporation, assignee: *See*—
Rasmussen, Olaf, and Rike.
Werner, Calvin J.

General Railway Signal Company, assignee: *See*—
Judge, Thomas J.
Wight, Sedgwick N., and Field.

Geohegan, William A.: *See*—
Hinsey, Joseph C., and Geohegan.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,410,578; Nov. 5.

Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Lubricant composition. 2,410,650; Nov. 5.

Gideon, Lauretta F., assignee, et al.: *See*—
Gideon, Victor W.

Gideon, Victor W., assignor to V. W. Gideon, H. W. Jerry, L. F. Gideon, and L. C. Jerry, copartners, doing business under the firm name of Par Manufacturing Co., Chicago, Ill. Mandrel. 2,410,493; Nov. 5.

Gideon, Victor W., assignor to Boyar-Schultz Corporation, Chicago, Ill. Tool bit fixture. 2,410,494; Nov. 5.

Girdler Corporation, The, assignee: *See*—
Graff, Robert A.

Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Electric control system. 2,410,651; Nov. 5.

Glazer, William H., Philadelphia, Pa. Ophthalmic test device. 2,410,729; Nov. 5.

Goodings, Eric P., and M. A. T. Rogers, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of new coloring matters. 2,410,604; Nov. 5.

Goodman Manufacturing Company, assignee: *See*—
Doberstein, Edward J.

Goodrich, B. F., Company, The, assignee: *See*—
Colley, Russell S., Krupp, and Shook.

Goodrich, Chauncey M., Windsor, Ontario, assignor to The Canadian Bridge Company Limited, Walkerville, Ontario, Canada. Construction of piers. 2,410,778; Nov. 5.

Goodyear Aircraft Corporation, assignee: *See*—
Nielsen, James S.

Gookin, Sylvester R., Marshfield, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Eyeleting machine. 2,410,495; Nov. 5.

Gracia, Albert J., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio. Removing inhibitors. 2,410,779; Nov. 5.

Gracia, Albert J., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio. Treatment of guayule. 2,410,780; Nov. 5.

Gracia, Albert J., Cuyahoga Falls, and Henry V. Powers, Tallmadge, Ohio, assignors to Wingfoot Corporation. Treatment of guayule. 2,410,781; Nov. 5.

Graff, Robert A., assignor to The Girdler Corporation, Louisville, Ky. Separation and recovery of unsaturated gases. 2,410,496; Nov. 5.

Gray, George F.: *See*—
Pratt, Verneur E., and Gray.

Gray Manufacturing Company, The, assignee: *See*—
Moore, Frank L.

Green, Arthur: *See*—
Wilkinson, Samuel, and Green.

Green, Charles A., Washington, D. C., and E. M. Seifert, Brooklyn Park, Md. Automatic hydraulic brake. 2,410,440; Nov. 5.

Gregory, Alfred T., Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine valve control mechanism. 2,410,411; Nov. 5.

Griffin, John R., Jr., Kansas City, Kans., and P. R. Van Ess, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Compounded lubricating oil. 2,410,652; Nov. 5.

Griffith, Arthur H.: *See*—
Easton, Robert R., and Griffith.

Gwyn, Childress B., Jr., Bannockburn, Ill., assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Self-locking nut. 2,410,730; Nov. 5.

Haag, Carl J., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Reversible wheel. 2,410,579; Nov. 5.

Hannewald, Burton A., J. J. Lee, and J. M. Wheatley, Indianapolis, Ind., assignors to Bemis Bro. Bag Company, St. Louis, Mo. Bag turner. 2,410,731; Nov. 5.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Sensitive photocell and circuit. 2,410,732; Nov. 5.

Hardman, Albert F., Akron, Ohio, assignor to Wingfoot Corporation. Preservation of rubber. 2,410,782; Nov. 5.

Hardman, Albert F., Akron, Ohio, assignor to Wingfoot Corporation. Age resisters. 2,410,783; Nov. 5.

Harte, Richard, Parkersburg, W. Va., assignor to Ames Baldwin Wyoming Co. Making tool blades. 2,410,784; Nov. 5.

Hattan, Mark, Dayton, Ohio. Fastener assembly. 2,410,441; Nov. 5.

Hazeltine Research, Inc., assignee: *See*—
Hoisington, David B.

Heater, Charles L., assignor to American Steel Foundries, Chicago, Ill. Railway car. 2,410,580; Nov. 5.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,410,653; Nov. 5.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Airplane weighing apparatus. 2,410,654; Nov. 5.

Henrichon, Homer, New York, N. Y. Safety piepan lifter. 2,410,655; Nov. 5.

Hentrich, Winfrid, Rodleben, near Dessau-Rosslau, and W. Kaiser, Dessau, Germany; vested in the Alien Property Custodian. Disinfecting and preserving composition. 2,410,497; Nov. 5.

Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation process. 2,410,498; Nov. 5.

Hercules Powder Company, assignee: *See*—
Dreshfield, Arthur C.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Tuned ultra high frequency transformer. 2,410,656; Nov. 5.

Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Antenna switching system. 2,410,657; Nov. 5.

Hess, Relza J., and F. G. Cizek, assignor to American Steel Foundries, Chicago, Ill. Hydraulic press. 2,410,581; Nov. 5.

Hewlett, Clarence W., Schenectady, N. Y., assignor to General Electric Company. Making mechanically resistant and highly reflecting metallic films. 2,410,733; Nov. 5.

Hieronymus, Charles G., Hollis, N. Y., and G. H. Ridings, Summit, and R. J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Automatic blind and hit detector. 2,410,442; Nov. 5.

Higgins, Charles B., Grand Rapids, Mich. Adjustable stilt step. 2,410,582; Nov. 5.

Hill, Arthur J.: *See*—
Pleger, Karl G., and Hill.

Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Limiting aperture for electron image. 2,410,658; Nov. 5.

Hinsey, Joseph C., Scarsdale, and W. A. Geohegan, Mamaroneck, N. Y., assignors to the Government of the United States. Stimulator. 2,410,499; Nov. 5.

Hitchcock, Rex B., Evanston, and H. S. Seeber, Moline, Ill., assignors to International Harvester Company. Feeder for threshers. 2,410,500; Nov. 5.

Hitzelberger, Erwin, Rohr, Germany; vested in the Alien Property Custodian. Device for mounting engine hoods on motor vehicles. 2,410,734; Nov. 5.

Hoffer, Howard G., Santa Monica, Calif. Apparatus for shaping objects provided with curved surfaces. 2,410,443; Nov. 5.

Hoisington, David B., Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Signal-translating system. 2,410,735; Nov. 5.

Hoisington, David B., Little Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Pulse-modulated wave-signal receiver. 2,410,736; Nov. 5.

Hood, Edwin E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Coaster brake. 2,410,785; Nov. 5.

Hoover, Walter S., West Hartford, Conn. Blade phase and constant speed synchronizer for multiple motor aircraft. 2,410,659; Nov. 5.

Howard, George E., Butler, Pa. Valve actuating mechanism for internal-combustion engines. 2,410,660; Nov. 5.

Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Ensilage blower. 2,410,501; Nov. 5.

Huebner, Denis W., and J. E. Fearey, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Interpolymers of isobutylene with an alkyl acetylene and their preparation. 2,410,605; Nov. 5.

Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Self-locking nut. 2,410,444; Nov. 5.

Huppke, Walter F., New York, assignor to West Disinfecting Company, Long Island City, N. Y. Processed natural rubber. 2,410,661; Nov. 5.

Hurford, Herbert, Chicago, Ill. Mat and heel protector. 2,410,412; Nov. 5.

Hurley, Albert B., Huntington, N. Y. Acoustic tile. 2,410,413; Nov. 5.

Hurley, Roy T., Dobbs Ferry, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Aircraft control apparatus. 2,410,502; Nov. 5.

Hutchinson, Arthur J. L., San Marino, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Separation of hydrate-forming components of gaseous mixtures. 2,410,583; Nov. 5.

Ideal Industries, Inc., assignee: *See*—
Schinske, William G.

Imperial Chemical Industries Limited, assignee: *See*—
Cowdrey, William A., and Murray.
Goodings, Eric P., and Rogers.
Huebner, Denis W., and Fearey.

International Harvester Company, assignee: *See*—
Hitchcock, Rex B., and Seeber.
Huddle, Edwin F.
Letsinger, John H., and Foley.
Messenger, Robert P., and Acton.

International Nickel Company, Inc., The, assignee: *See*—
Garrow, John W.

Ipatieff, Vladimir N.: *See*—
Pines, Herman, and Ipatieff.
Schmerling, Louis, and Ipatieff.

Ipatieff, Vladimir N., and H. Pines, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Production of diolefinic hydrocarbons by reaction of an alcohol with an acetylenic hydrocarbon. 2,410,445; Nov. 5.

Jencks, Charles D., Bristol, R. I. Adjustable support for bifocal lenses. 2,410,584; Nov. 5.

Jenny, Alfred L., Pittsfield, Mass., assignor to General Electric Company. Curing hydrocarbon-substituted polysiloxane resin compositions containing lead monoxide. 2,410,737; Nov. 5.

Jerry, Louise C., assignee, et al.: *See*—
Gideon, Victor W.

Job, Arthur, Providence, R. I., assignor to Sils Corporation. Comber. 2,410,738; Nov. 5.

Joel, Amos E., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulsing system. 2,410,446; Nov. 5.

Johnson, Charles W., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive compositions. 2,410,414; Nov. 5.

Johnson, Ellsworth T., assignor to Deere & Company, Moline, Ill. Safety shield. 2,410,503; Nov. 5.

Johnson, Kenneth C.: *See*—
Sells, Gale, Johnson, and Black.

Johnson, Nels: *See*—
Bradley, William E., and Johnson.

Johnson, Philip H., assignor to Roadless Traction Limited, Hounslow, England. Tracklaying vehicle. 2,410,739; Nov. 5.

Jones, Albert S., Dudley, Mass., assignor to Cranston Print Works Company, Cranston, R. I. Textile printing apparatus. 2,410,415; Nov. 5.

Jones, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of lactates. 2,410,740; Nov. 5.

Joy Manufacturing Company, assignee: *See*—
Paget, Win W.

Joy, Robert F., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rope sling. 2,410,416; Nov. 5.

Joyce, Robert M., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyhalogenated olefins. 2,410,541; Nov. 5.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,410,504; Nov. 5.

Juran, Nathan H., U. S. Navy, Hermosa Beach, Calif. Sketching device. 2,410,447; Nov. 5.

Kahn, George, Lawrence, N. Y. Crisscross curtain. 2,410,662; Nov. 5.

Kaiser Cargo, Inc., assignee: *See*—
Borngesser, Otto J.

Kaiser, Wilhelm: *See*—
Hentrich, Winfrid, and Kaiser.

Kalitinsky, Andrew: *See*—
Cronstedt, Val, and Kalitinsky.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Scavenge system for engines. 2,410,448; Nov. 5.

Kemp, C. M., Manufacturing Company, The, assignee: *See*—
Kemp, William W.

Kemp, William W., assignor to The C. M. Kemp Manufacturing Company, Baltimore, Md. Radiant flame compression burner. 2,410,542; Nov. 5.

Kerlo Corporation, assignee: *See*—
Flocker, Anthony M.

Kester, George B., Tingley, Iowa. Snow plow. 2,410,543; Nov. 5.

Kirchner, Henry P., Niagara Falls, and A. L. Ball, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Coated abrasive. 2,410,506; Nov. 5.

Kirchner, Ignatz A., Vienna, Germany; vested in the Alien Property Custodian. Monolithic floor construction. 2,410,505; Nov. 5.

Kleist, Herman W., Chicago, Ill., Refrigerator car. 2,410,449; Nov. 5.

Knight, Robert M., Chicago, Ill. Track for track laying vehicles. 2,410,507; Nov. 5.

Koebel Diamond Tool Company, assignee: *See*—
Lindqvist, Olof V., and Martin.

Kohl, Everard F., Cleveland, Ohio. Circuit interrupting device. 2,410,663; Nov. 5.

Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,410,450; Nov. 5.

Krupp, Carroll P., assignee: *See*—
Colley, Russell S., Krupp, and Shook.

Lamme, Thornie T., Laclede, Mo. Posthole digging attachment for tractors. 2,410,508; Nov. 5.

Lamphere, P. H., assignee, et al.: *See*—
Strong, Jules Q.

Landry, Max. E., Tulsa, Okla. Aerial pickup device. 2,410,451; Nov. 5.

Lange, Felix, assignor to C. G. Bjorkman, Chicago, Ill. Apparatus for making gut strings. 2,410,509; Nov. 5.

Lawlor, Martin T., Waterbury, Conn., assignor, by mesne assignments, to I. Rossi. Skin clamp. 2,410,664; Nov. 5.

Lea, George D., Downers Grove, and C. L. Pfeiffer, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for assembling articles. 2,410,665; Nov. 5.

Leck, George W., Collingswood, N. J., assignor to Radio Corporation of America. Orienting mechanism for pulse echo systems. 2,410,666; Nov. 5.

Ledwinka, Joseph, Philadelphia, Pa., assignor to The Budd Company. Axle suspension. 2,410,402; Nov. 5.

Lee, Joseph J.: *See*—
Hannewald, Burton A., Lee, and Wheatley.

Leitner, Arthur S., Los Angeles, Calif. Leakproof powder case. 2,410,585; Nov. 5.

Lesavoy, Isadore L., Allentown, Pa. Book cover. 2,410,741; Nov. 5.

Lester Engineering Company, assignee: *See*—
Lester, Nathan.

Lester, Nathan, Cleveland Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Molding thermosetting material. 2,410,510; Nov. 5.

Letsinger, John H., and H. F. Foley, Fort Wayne, Ind., assignors to International Harvester Company. Synchronizing device. 2,410,511; Nov. 5.

Lever Brothers Company, assignee: *See*—
Andersen, Carl N.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Jones, John L.

Lindqvist, Olof V., and F. D. Martin, assignors to Koebel Diamond Tool Company, Detroit, Mich. Diamond tool and making the same. 2,410,512; Nov. 5.

Locke Stove Company, assignee: *See*—
Esson, Edwin.

Loeb, William S., assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,410,452; Nov. 5.

Lotz, R. William: *See*—
Cowles, Irving, and Lotz.

Lozinski, Ezra: *See*—
Butler, Gordon C., Lozinski, and Odell.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Artificial horizon for sighting instruments. 2,410,667; Nov. 5.

Lyman, John E., Mapperley, assignor to William Cotton Limited, Loughborough, England. Cotton's patent and other straight bar knitting machine. 2,410,668; Nov. 5.

Lynn, Roland A., Teaneck, N. J., assignor to Radio Corporation of America. Program change indicator. 2,410,669; Nov. 5.

Lynnwood Laboratories, Inc., assignee: *See*—
Shapiro, Carl L.

MacCulloch, Donald G.: *See*—
Chilton, Roland, and MacCulloch.

Mackmann, Arthur, assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Method of and apparatus for forming gear teeth. 2,410,544; Nov. 5.

Macomber, James K.: *See*—
Davis, Arthur P., and Macomber.

Main, David W., Denver, Colo. Pitch control mechanism for rotors of rotary wing aircraft. 2,410,545; Nov. 5.

Mallory, Gerald D., Akron, Ohio, assignor to Wingfoot Corporation. Joint for pressure suits. 2,410,786; Nov. 5.

Maloney, Raymond T., assignee: *See*—
Breither, Robert H., Seiden, Breitenstein, and Nicolaus.

Manderstam, Leopold H., and L. W. Warner, London, England. Apparatus for use in the hydrogenation of oils. 2,410,670; Nov. 5.

Marmon-Herrington Company, Inc., assignee: *See*—
Powell, William S.

Martin, Fred D.: *See*—
Lindqvist, Olof V., and Martin.

Mast, Gifford M.: *See*—
Fleischer, Max, and Mast.

Mathieson, C. W., assignee, et al.: *See*—
Strong, Jules Q.

Mauro, Oswald G.: *See*—
Dons, Eddie M., and Mauro.

May & Baker Limited, assignee: *See*—
Newbery, George, and Easson.

May, Henry E., Chicago, Ill. Locomotive boiler firebox. 2,410,513; Nov. 5.

McCabe, Ira E., Chicago, Ill. Valve construction. 2,410,546; Nov. 5.

McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heating apparatus. 2,410,547; Nov. 5.

McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heating apparatus. 2,410,548; Nov. 5.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. De N.

McCormick, Elmer, assignor to John Deere Tractor Company, Waterloo, Iowa. Crankcase ventilating system. 2,410,514; Nov. 5.

McGarvey, Alan R., assignor to Armstrong Cork Company, Lancaster, Pa. Laminated materials. 2,410,586; Nov. 5.

McMichael, Floyd J., Orlando, Fla. Box dumping machine. 2,410,515; Nov. 5.

Merrell, Wm. S., Company, The, assignee: *See*—
Van Zoeren, Gerritt J.

Messenger, Robert P., Kenilworth, and R. D. Acton, assignors to International Harvester Company, Chicago, Ill. Bale loading device. 2,410,516; Nov. 5.

Metropolitan Vickers Electrical Company Limited, assignee: *See*—
Baumann, Karl.

Michyeta, Andrew, Hinsdale, Ill. Ash receiver. 2,410,606; Nov. 5.

Mid-Continent Petroleum Corporation, assignee: *See*—
Dons, Eddie M., and Mauro.

Miller, Donald B., assignor to Stromberg-Carlson Company, Rochester, N. Y. Telephone substation apparatus. 2,410,787; Nov. 5.

Mills, Earl S., Eugene, Oreg. Denture packing. 2,410,453; Nov. 5.

Mining Process and Patent Company, assignee: *See*—
Daman, Arthur C.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Wartha, Alfred J.

Monroe Auto Equipment Company, assignee: *See*—
Whisler, Ralph H., Jr.

Monroe Calculating Machine Company, assignee: *See*—
Crosman, Loring P.

Monroe, Charles Z., Detroit, Mich., assignor to The American Paper Bottle Company, Toledo, Ohio. Mechanism for partially closing containers. 2,410,587; Nov. 5.

Monsanto Chemical Company, assignee: *See*—
Craver, John K.
Durland, John R.

Montgomery Brothers, assignee: *See*—
Conant, Alan B.

Moore, Coleman B., Carroll Park, assignor to Moore Products Co., Philadelphia, Pa. Pneumatic comparator gauges. 2,410,671; Nov. 5.

Moore, Frank L., Flushing, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Electric recorder-reproducer unit. 2,410,607; Nov. 5.

Moore Products Co., assignee: *See*—
Moore, Coleman B.

Morgan, John D., South Orange, assignor to Cities Service Oil Company, Hillside, N. J. Hydraulic liquid having a comparatively small change in viscosity. 2,410,608; Nov. 5.

Morgan, Willard L., Columbus, Ohio, and E. D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co., Incorporated, Providence, R. I. Fatty amide polymers. 2,410,788; Nov. 5.

Morgan, Willard L., Columbus, Ohio, and E. D. McLeod, Rumford, R. I., assignors to Arnold, Hoffman & Co., Incorporated, Providence, R. I. Fatty amide polymers. 2,410,789; Nov. 5.

Motsinger, Armand V., near Aberdeen, Md. Voice-transmitting gas mask. 2,410,454; Nov. 5.

Muffly, Glenn, Springfield, Ohio. Refrigerator. 2,410,672; Nov. 5.

Müller, Helmut, and A. Pischinger, Cologne, Germany; vested in the Alien Property Custodian. Fuel injection pump for internal-combustion engines. 2,410,517; Nov. 5.

Murray, Arthur G.: *See*—
Cowdrey, William A., and Murray.

Murray, D. J., Manufacturing Co., assignee: *See*—
Rosemalt, John A.

Musher Foundation Incorporated, assignee: *See*—
Musher, Sidney.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Preserving vitamin-containing oils. 2,410,455; Nov. 5.

National Inventions Corporation, assignee: *See*—
Boucher, Charles P.

Naumann, Herbert O., Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y. Apparatus for the manufacture of synthetic yarn. 2,410,456; Nov. 5.

Naumann, Herbert O., Englewood, N. J., assignor to North American Rayon Corporation, New York, N. Y. Manufacture of synthetic yarn. 2,410,673; Nov. 5.

Neilan, Thomas J., assignee: *See*—
Padva, Philip.

Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Multiple twister and doubler. 2,410,674; Nov. 5.

Nettel, Friedrich, Tokyo, Japan; vested in the Alien Property Custodian. Operation and regulation of combustion turbines. 2,410,457; Nov. 5.

Neuberg, Carl A., New York, and I. S. Roberts, Fieldston, N. Y. Production of glycerin from sugar by yeast fermentation. 2,410,518; Nov. 5.

Newall, Archibald P., Glasgow, Scotland. Power-driven bar-swaging machine. 2,410,742; Nov. 5.

Newbery, George, Brentwood, and A. P. T. Easson, Hornchurch, assignors to May & Baker Limited, Dagenham, Essex, England, a British company. Soluble amidine salts. 2,410,796; Nov. 5.

New Britain Machine Company, The, assignee: *See*—
Rockwell, Edward A.

Nichols, Adelbert P., Jr., Johnson County, Kans. Dehydrator. 2,410,675; Nov. 5.

Nicolaus, Frank G.: *See*—
Breither, Robert H., Seiden, Breitenstein, and Nicolaus.

Nielsen, James S., Stow, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Apparatus for forming sheet metal. 2,410,676; Nov. 5.

North American Rayon Corporation, assignee: *See*—
Naumann, Herbert O.

Northrop Aircraft, Inc., assignee: *See*—
Phelan, Arthur J., and Pavlecka.

Odell, Arthur D.: *See*—
Butler, Gordon C., Lozinski, and Odell.

Oil Devices, assignee: *See*—
Breese, James L.

Oilgear Company, The, assignee: *See*—
Tyler, Ransom.

Olson, Edwin A., Los Angeles, Calif. Venetian blind. 2,410,549; Nov. 5.

Opalek, Charles, Brooklyn, N. Y. Outdoor switch box. 2,410,519; Nov. 5.

Ostline, John E., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,410,520; Nov. 5.

Packard Motor Car Company, assignee: *See*—
Ware, Marsden.

Padva, Philip, assignor, by mesne assignments, to Thomas J. Neilan, Los Angeles, Calif. Photoelectric integrator. 2,410,550; Nov. 5.

Paget, Win W., Michigan City, Ind., assignor to Joy Manufacturing Company. Drilling apparatus. 2,410,458; Nov. 5.

Par Manufacturing Co., assignee: *See*—
Gideon, Victor W.

Parkhurst, Malcolm K., New York, N. Y., assignor to The Wilcolator Company, Elizabeth, N. J. Automatic change-over relay. 2,410,677; Nov. 5.

Parkhurst, Malcolm K., New York, N. Y., assignor to The Wilcolator Company, Elizabeth, N. J. Control inverter change-over system. 2,410,678; Nov. 5.

Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feed regulating means for sewing machines. 2,410,790; Nov. 5.

Pavlecka, Vladimir H.: *See*—
Phelan, Arthur J. and Pavlecka.

Pearson, William J., Los Angeles, Calif. Cost computing meter. 2,410,743; Nov. 5.

Pecker, Joseph S., Philadelphia, Pa. Aircraft rotor wing construction. 2,410,609; Nov. 5.
Pennsylvania Railroad Company, The, assignee: *See*—
Steins, Carleton K.
Perona, John A.: *See*—
Ballard, Seaver A., and Perona.
Peterson, Donald W.: *See*—
Brown, George H., and Peterson.
Pfeiffer, Conrad L.: *See*—
Lea, George D., and Pfeiffer.
Phelan, Arthur J. and V. H. Pavlecka, Pacific Palisades, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Turbine blade and assembly thereof. 2,410,588; Nov. 5.
Philco Corporation, assignee: *See*—
Bradley, William E., and Johnson.
Phillips Petroleum Company, assignee: *See*—
Hepp, Harold J.
Pickett, Armand D.
Pickett, Armand D., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Lubricant. 2,410,610; Nov. 5.
Pickul, Joseph H., West Newton, Mass., assignor to The Reece Corporation. Sewing machine. 2,410,679; Nov. 5.
Pines, Herman: *See*—
Ipatieff, Vladimir N., and Pines.
Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of aromatic compounds. 2,410,554; Nov. 5.
Pioneer Tool Company, Inc., assignee: *See*—
Echikson, Elchanan.
Pischinger, Anton: *See*—
Müller, Helmut, and Pischinger.
Platt, Haviland H., New York, N. Y., assignor to Rotary Research Corporation, Philadelphia, Pa. Rotative-winged aircraft. 2,410,459; Nov. 5.
Pleger, Karl G., Rochester, N. Y., and A. J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y. Amino esters of diaryl succinic acids. 2,410,791; Nov. 5.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Tape feed alarm. 2,410,521; Nov. 5.
Powell, William S., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Inlet valve for gas compressors. 2,410,522; Nov. 5.
Powers, Henry V.: *See*—
Gracia, Albert J.
Powers, Milton A., Detroit, Mich. Plastic product. 2,410,744; Nov. 5.
Pratt, Verneur E. and G. F. Gray, Norwalk, Conn. Feeding apparatus. 2,410,611; Nov. 5.
Pugsley, Donald W., Bridgeport, Conn., assignor to General Electric Company. Sweep circuit. 2,410,745; Nov. 5.
Radio Corporation of America, assignee: *See*—
Brown, Charles H.
Brown, George H., and Peterson.
Conklin, James W.
Dimmick, Glenn L.
Evans, John.
Fitch, William A.
Hansell, Clarence W.
Herold, Edward W.
Hershberger, William D.
Hillier, James.
Leck, George W.
Lynn, Roland A.
Roberts, Walter van B.
Smith, John P.
Radio Specialty Manufacturing Company, assignee: *See*—
Sells, Gale, Johnson, and Black.
Raettig, Adele S., Hoboken, N. J. Magnetically operated switch. 2,410,746; Nov. 5.
Rankin, John A., Park Ridge, assignor to Belmont Radio Corporation, Chicago, Ill. Phase-responsive system. 2,410,523; Nov. 5.
Rasmussen, Olaf and R. C. Rike, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Snap action mechanism. 2,410,680; Nov. 5.
Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Container and making it. 2,410,681; Nov. 5.
Reece Corporation, The, assignee: *See*—
Pikul, Joseph H.
Rehberg, Chessie E., Glenside and C. H. Fisher, Abington, Pa., assignors to United States of America, as represented by the Secretary of Agriculture. Allyl and methallyl esters of lactic and alpha-acetoxypropionic acids. 2,410,551; Nov. 5.
Reid, Frederick M., assignor to Freuhauf Trailer Company, Detroit, Michigan. Tandem axle vehicle. 2,410,747; Nov. 5.
Resinous Products & Chemical Company, The, assignee. *See*—
Bruson, Herman A.
Richardson, Donald E., and R. E. Yates, assignors to Drying Systems, Inc., Chicago, Ill. Burner safety control. 2,410,524; Nov. 5.
Richardson, Max S.: *See*—
Edwards, William H., and Richardson.
Richardson, Norval R., Alexandria, Va. Jet propelled toy. 2,410,682; Nov. 5.
Richolson, Abraham L., Brooklyn, N. Y. Measuring gauge for fuel oil tanks. 2,410,525; Nov. 5.
Ridings, Garvice H.: *See*—
Hieronymus, Charles G., Ridings, and Wise.
Rike, Richard C.: *See*—
Rasmussen, Olaf, and Rike.
Ríos y Márquez, Enrique J., Lawton, Habana, Cuba. Fruit peeling device. 2,410,683; Nov. 5.
Roadless Traction Limited, assignee: *See*—
Johnson, Philip H.
Roberts, Irene S.: *See*—
Neuberg, Carl A., and Roberts.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Pulse transmitter. 2,410,748; Nov. 5.
Robinson, Cecil S., assignor of one-half to D. H. Robinson, New York, N. Y. Instrument panel mount. 2,410,749; Nov. 5.
Robinson, Dorothy H., assignee: *See*—
Robinson, Cecil S.
Robinson, James P., Tokyo, Japan; vested in the Alien Property Custodian. Medicinal applicator and dispenser. 2,410,460; Nov. 5.
Roblin, Richard O., Jr.: *See*—
Winnek, Philip S., and Roblin.
Rockwell, Edward A., Cleveland, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. High- to low-pressure converter. 2,410,750; Nov. 5.
Rogers, Maurice A. T.: *See*—
Goodings, Eric P., and Rogers.
Rohn, William C.: *See*—
Wisman; F. O., and Rohn.
Ronay, Bela, Annapolis, Md. Subaqueous arc-welding and cutting electrode. 2,410,461; Nov. 5.
Rosen, Sidney, Baltimore, Md. Measuring device. 2,410,552; Nov. 5.
Rosmait, John A., Appleton, assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Pulp stock flow control. 2,410,526; Nov. 5.
Rossi, Irving: *See*—
Lawlor, Martin T.
Rostoker, Louis: *See*—
Finn, Alfred.
Rotary Research Corporation, assignee: *See*—
Platt, Haviland H.
Rotol Limited, assignee: *See*—
Chilman, John A.
Rude, Nordahl L., Eau Claire, Wis. Cementing compound. 2,410,612; Nov. 5.
Rufle, Gaylord P., Canton, Ohio. Match and cigarette container. 2,410,684; Nov. 5.
Ruthruff, Robert F., Chicago, Ill. Flushing oil. 2,410,613; Nov. 5.
Safety Car Heating and Lighting Company, Inc., The, assignee: *See*—
Strobell, John D.
Saller, Arthur, New York, N. Y. Belt. 2,410,759; Nov. 5.
Salo, Martin, and H. F. Vivian, assignors to Eastman Kodak Company, Rochester, N. Y. Hot melt-coating composition. 2,410,685; Nov. 5.
Sargent & Company, assignee: *See*—
Brooks, Herbert W.
Sayward, Dwight H., Cape Elizabeth, Maine. Double calipers. 2,410,686; Nov. 5.
Schinske, William G., assignor, by mesne assignments, to Ideal Industries, Inc., Sycamore, Ill. Auto charger. 2,410,527; Nov. 5.
Schlage, Walter R., Burlingame, Calif. Face plate. 2,410,462; Nov. 5.
Schmerling, Louis, Riverside, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of alkylated aromatic compounds. 2,410,553; Nov. 5.
Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure actuated valve. 2,410,751; Nov. 5.
Schwarzkopf, Otto, New York, N. Y., assignor to Burton T. Bush, Incorporated, Delawanna, N. J. Preparing stilbene derivatives. 2,410,463; Nov. 5.
Scott, Lawrence B., Columbus, Ohio. Bonding method. 2,410,464; Nov. 5.
Scovill Manufacturing Company, assignee: *See*—
Huelster, Otto J.
Scripto Manufacturing Company, assignee: *See*—
Brinson, Thomas F.
Wayne, William T.
Seeber, Harold S.: *See*—
Hitchcock, Rex B., and Seeber.
Segelhorst, August L., Taft, Calif. Automatic slip mechanism. 2,410,589; Nov. 5.
Selden, Herman L.: *See*—
Breither, Robert H., Selden, Breitenstein, and Nicolaus.
Seifert, Ernest M.: *See*—
Green, Charles A., and Seifert.
Sells, Gale, K. C. Johnson, and L. Black, Portland, assignors to G. G. Campbell and B. H. Stroback, doing business as Radio Specialty Manufacturing Company, Portsmouth, Oreg. Lapping machine. 2,410,752; Nov. 5.
Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Stopping mechanism for weft replenishing looms. 2,410,687; Nov. 5.

Shantz, Edgar M.: *See*—
Embree, Norris D., and Shantz.
Shantz, Edgar M., assignor to Distillation Products, Inc., Rochester, N. Y. Concentration of fat-soluble vitamins. 2,410,590; Nov. 5.
Shapiro, Carl L., New York, N. Y., assignor to Lynnwood Laboratories, Inc., Essex County, N. J. Making protective composition and resulting product. 2,410,688; Nov. 5.
Shell Development Company, assignee: *See*—
Ballard, Seaver A., and Perona.
Griffin, John R., Jr., and Van Ess.
Sheppard, Samuel E., Rochester, N. Y., and H. R. Brigham, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Sensitizing photographic emulsions. 2,410,689; Nov. 5.
Shinomiya, Shigeru, Tokyo, Japan; vested in the Alien Property Custodian. Drilling device. 2,410,753; Nov. 5.
Sils Corporation, assignee: *See*—
Job, Arthur.
Singer Manufacturing Company, The, assignee: *See*—
Parry, Frank.
Small, Everett T., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Tamping roller. 2,410,465; Nov. 5.
Smith, Gilbert, Fayetteville, W. Va. Self-dumping pan. 2,410,754; Nov. 5.
Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Measuring system. 2,410,755; Nov. 5.
Smith, Marvin A.: *See*—
Webb, Glenn M., and Smith.
Smith, William F., and R. E. Stauffer, assignors to Eastman Kodak Company, Rochester, N. Y. Improving the sensitivity characteristics of emulsions. 2,410,690; Nov. 5.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Giammaria, John J.
Soldan, Otto, Falkensee, Osthaveland, Germany; vested in the Alien Property Custodian. Microphone. 2,410,528; Nov. 5.
Specialties Development Corporation, assignee: *See*—
Uhl, Arthur W.
Sperry Gyroscope Company, Inc., assignee: *See*—
Van Auken, Howard C., and Esher.
Springer, Berthold, Berlin W. 30, Germany; vested in the Alien Property Custodian. Impregnating condensers. 2,410,756; Nov. 5.
Stahl, Carl H.: *See*—
Appleton, Arthur I., and Stahl.
Staud, Cyril J.: *See*—
Fierke, Scheuring S., and Staud.
Stauffer, Robert E.: *See*—
Smith, William F., and Stauffer.
Stein, Gerhard: *See*—
Flemming, Walter, and Stein.
Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Stoker. 2,410,529; Nov. 5.
Stevens, John E., Silver Beach, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical connector. 2,410,691; Nov. 5.
Stevens, Richard H., Baltimore, Md., assignor to Bethlehem Steel Company. Oscillating rotary shear. 2,410,555; Nov. 5.
Stewart-Warner Corporation, assignee: *See*—
Davis, Ernest W.
Walt, George T.
Street, Donald T., assignor to Bausch & Lomb Optical Company. Rochester, N. Y. Optical prism system. 2,410,757; Nov. 5.
Stribley, Arthur F., Jr.: *See*—
Farkas, Adalbert, and Stribley.
Stroback, B. H., et al., assignee: *See*—
Sells, Gale, Johnson, and Black.
Strobell, John D., New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Liquid discharging device. 2,410,692; Nov. 5.
Stromberg-Carlson Company, assignee: *See*—
Miller, Donald B.
Strong, Jules Q., Ladue, assignor of fifty-five per cent to C. W. Mathieson, Sedalia, Mo., and fifteen per cent to P. H. Lamphere, Denver, Colo. Shoe construction. 2,410,530; Nov. 5.
Sullivan, Andrew J., assignee: *See*—
Carlson, Frederick O.
Szabo, Lester J., Cleveland, Ohio, assignor, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa. Synthesis of vitamin B_6. 2,410,531; Nov. 5.
Taliento, Anthony, Rochester, N. Y. Pressing iron steam connections. 2,410,693; Nov. 5.
Teletype Corporation, assignee: *See*—
Potts, Louis M.
Ten Broeck, Theodore R., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Coated cord. 2,410,792; Nov. 5.
Tessier, Joseph D., Worcester, Mass. Appliance for paint sprayers. 2,410,532; Nov. 5.
Texas Gulf Sulphur Company of America, assignee: *See*—
Bacon, Raymond F., and Fanelli.
Theowick Company, assignee: *See*—
Wickwire, Theodore H., Jr.
Thompson, Albert L., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,410,758; Nov. 5.
Thomson, Alan C., Los Angeles, Calif. Helicopter with coaxial rotors and control means therefor. 2,410,533; Nov. 5.
Toledo Scale Company, assignee: *See*—
Hem, Halvor O.
Wood, George R.
Trachtenberg, Samuel, Cleveland, Ohio. Jewelry box. 2,410,760; Nov. 5.
Trevino, Inocenti, Los Angeles, Calif. Flatiron holder. 2,410,534; Nov. 5.
Trojan Powder Company, assignee: *See*—
Wyler, Joseph A.
Tropiano, Anthony, East Portchester, Conn. Making heat-resistant cementitious material. 2,410,761; Nov. 5.
Trotter, John C., Burlington, Vt., assignor to Bell Aircraft Corporation. Gun mount. 2,410,614; Nov. 5.
Tunley, Allan A., Peterborough, assignor to Baker Perkins Limited, Peterborough, Northampton, England. Air blast nozzle device for enrobers or chocolate coating machines and the like. 2,410,762; Nov. 5.
Turner, William E., assignor to O. B. Andrews Company, Chattanooga, Tenn. Fiberboard cushioning filler for cartons. 2,410,591; Nov. 5.
Turner, William H., Brielle, N. J. Bonded reinforcing frame. 2,410,466; Nov. 5.
Tyler, Ransom, Greenfield, assignor to The Oilgear Company, Milwaukee, Wis. Multiple table drive. 2,410,694; Nov. 5.
Uhl, Arthur W., Inwood, Long Island, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Vibration preventing syphon tube support. 2,410,763; Nov. 5.
Uihlein, George V., assignor to M. J. Whittal Associates Inc., Worcester, Mass. Three tone fabric and making same. 2,410,764; Nov. 5.
Union Oil Company of California, assignee: *See*—
Farkas, Adalbert, and Stribley.
United Aircraft Corporation, assignee: *See*—
Cronstedt, Val, and Kalitinsky.
Kalitinsky, Andrew.
United Shoe Machinery Corporation, assignee: *See*—
Gookin, Sylvester R.
United States, Government of, assignee: *See*—
Hinsey, Joseph C., and Geohegan.
Universal Oil Products Company, assignee: *See*—
Ipatieff, Vladimir N., and Pines.
Pines, Herman, and Ipatieff.
Schmerling, Louis, and Ipatieff.
Webb, Glenn M., and Smith.
Valentine, Patrick, New York, N. Y. Circular saw device. 2,410,467; Nov. 5.
Van Auken, Howard C., Bloomfield, and F. N. Esher, Rutherford, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Bombsight. 2,410,468; Nov. 5.
Van Daalen, Henry A. S., New York, N. Y. Signal means for life saving equipment. 2,410,535; Nov. 5.
Van Ess, Paul R.: *See*—
Griffin, John R., and Van Ess.
Van Zoeren, Gerritt J., Holland, Mich., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Aryl alkyl amino alkanes and compositions thereof. 2,410,469; Nov. 5.
Vivian, Harold F.: *See*—
Salo, Martin, and Vivian.
Von Hagen, Kurt, Wissel, near Kleve, Germany; vested in the Alien Property Custodian. Device for dredging gravel or the like. 2,410,765; Nov. 5.
Vonnegut, Anton, assignor to Vonnegut Moulder Corporation, Indianapolis, Ind. Expansible wheel. 2,410,536; Nov. 5.
Vonnegut Moulder Corporation, assignee: *See*—
Vonnegut, Anton.
Walt, George T., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating apparatus. 2,410,537; Nov. 5.
Wallace, Edward E., Cleveland Heights, Ohio. Combined wheel mounting and brake therefor. 2,410,470; Nov. 5.
Wallace, James M., Jr.: *See*—
Cox, Fred W., and Wallace.
Walton, George W., Farnham Common, England. Prime mover. 2,410,538; Nov. 5.
Ward, Arthur L.: *See*—
Wright, David C., and Ward.
Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Drive mechanism. 2,410,556; Nov. 5.
Warner, Douglas K., Sarasota, Fla. Internal-combustion engine. 2,410,471; Nov. 5.
Warner, Lionel W.: *See*—
Manderstam, Leopold H., and Warner.
Wartha, Alfred J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sandblast stencil. 2,410,472; Nov. 5.
Watson, Frank A., Chicago, Ill. Automotive vehicle. 2,410,557; Nov. 5.
Wayne, William T., assignor to Scripto Manufacturing Company, Atlanta, Ga. Container and display box. 2,410,615; Nov. 5.

Webb, Glenn M., and M. A. Smith, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of catalysts. 2,410,558; Nov. 5.
Webb, Julian H., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for molding lenses. 2,410,616; Nov. 5.
Weems, William R., Decatur, Ga. Electric directional gyroscope. 2,410,473; Nov. 5.
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Actuator control system. 2,410,695; Nov. 5.
West Disinfecting Company, assignee: *See*—
Huppke, Walter F.
West, James, Newton, and W. M. Davis, Cambridge, assignors to Craftsman Line-Up Table Corporation, Waltham, Mass. Printer's line-up table. 2,410,559; Nov. 5.
Western Electric Company, Incorporated, assignee: *See*—
Babbitt, Bethel J.
Lea, George D., and Pfeiffer.
Rayburn, Vincent A.
Stevens, John E.
Western Union Telegraph Company, The, assignee: *See*—
Hieronymus, Charles G., Ridings, and Wise.
Westinghouse Electric Corporation, assignee: *See*—
Kroon, Reinout P.
Wheatley, James M.: *See*—
Hannewald, Burton A., Lee, and Wheatley.
Wheelco Instruments Company, assignee: *See*—
Cohen, Theodore A.
Wheeler, Lloyd M., Kansas City, Mo. Height measuring scale. 2,410,696; Nov. 5.
Whisler, Ralph H., Jr., assignor to Monroe Auto Equipment Company, Monroe, Mich. Shock absorber structure. 2,410,539; Nov. 5.
Whittal, M. J., Associates Inc., assignee: *See*—
Uihlein, George V.
Wickwire, Hedge, et al.: *See*—
Wickwire, Theodore H., Jr., S. H., R. A., and H.
Wickwire, Roma A., assignee, et al.: *See*—
Wickwire, Theodore H., Jr., S. H., R. A., and H.
Wickwire, Sophie H., et al.: *See*—
Wickwire, Theodore H., Jr., S. H., R. A., and H.
Wickwire, Theodore H., Jr., Ardmore, assignor to T. H., Jr., S. H., R. A., and H. Wickwire, doing business as a co-partnership under the name of Theowick Company, Philadelphia, Pa. Apparatus for fabricating welded wire fabric. 2,410,766; Nov. 5.
Wight, Sedgwick N., and O. S. Field, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,410,540; Nov. 5.
Wilcolator Company, The, assignee: *See*—
Parkhurst, Malcolm K.
Wilkening Manufacturing Company, assignee: *See*—
Loeb, William S.
Wingfoot Corporation, assignee: *See*—
Cox, Fred W., and Wallace.
Gracia, Albert J., and Powers.
Hardman, Albert F.
Mallory, Gerald D.
Ten Broeck, Theodore R.
Winnek, Philip S., and R. O. Roblin, Jr., Stamford, Conn.; assignors to American Cyanamid Company, New York, N. Y. Sulfonamido pyrimidines. 2,410,793; Nov. 5.
Wirsing, Rosa: *See*—
Wirsing, Sebastian and R.
Wirsing, Sebastian and R., Long Island City, N. Y. Hair curler. 2,410,617; Nov. 5.
Wise, Raleigh J.: *See*—
Hieronymus, Charles G., Ridings, and Wise.
Wisman, Franklin O., and W. C. Rohn, assignors to Bendix Aviation Corporation, South Bend, Ind. Automatic machine gun charger. 2,410,767; Nov. 5.
Wilkinson, Samuel, Rowley Park, and A. Green, Coventry, England. Dimension testing gauge. 2,410,697; Nov. 5.
Witte, Isadore O., Los Angeles, Calif. Joint for leg braces. 2,410,560; Nov. 5.
Wood, George R., Montreal, Quebec, Canada, assignor to Toledo Scale Company, Toledo, Ohio. Meat slicing machine. 2,410,698; Nov. 5.
Woodward Governor Company, assignee: *See*—
Zeigler, Delbert L.
Worcester, Joseph A., Jr., Fairfield, Conn., assignor to General Electric Company. Superregenerative receiver circuit. 2,410,768; Nov. 5.
Wread Overhead Door Co., assignee: *See*—
Wread, William E., Sr.
Wread, William E., Sr., assignor to Wread Overhead Door Co., Los Angeles, Calif. Emergency braking apparatus. 2,410,592; Nov. 5.
Wright Aeronautical Corporation, assignee: *See*—
Chilton, Roland, and MacCulloch.
Wright, Charlie, Oakland, Calif. Respiratory spray hood. 2,410,593; Nov. 5.
Wright, David C., Euclid, and A. L. Ward, Shaker Heights, Ohio, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electromagnet. 2,410,794; Nov. 5.
Wyeth Incorporated, assignee: *See*—
Szabo, Lester J.
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Cyclotrimethylenetrinitramine recovery. 2,410,699; Nov. 5.
Yates, Robert E.: *See*—
Richardson, Donald E., and Yates.
Young, L. A., Spring and Wire Corporation, assignee: *See*—
Friegel, William.
Youngstown Steel Door Company, The, assignee: *See*—
Ditchfield, Frank.
Zalkind, Philip, New York, N. Y. File cabinet interlock and reinforcing element. 2,410,700; Nov. 5.
Zalkind, Philip, New York, N. Y. Container-drawer stop and aligning means. 2,410,701; Nov. 5.
Zeigler, Delbert L., assignor to Woodward Governor Company, Rockford, Ill. Governor. 2,410,474; Nov. 5.
Zelov, Victor I., Rosemont, Pa. Electrical device. 2,410,618; Nov. 5.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Antioxidants. L. H. Howland and P. T. Paul. Re. 22,808; Nov. 5.

Detachable coupling. A. W. Miller. Re. 22,810; Nov. 5.
Dishwashing machine. L. A. Loeb. Re. 22,809; Nov. 5.

LIST OF DESIGN INVENTIONS

Advertising device or similar article. E. H. Gallinagh. 145,869; Nov. 5.
Ash tray, Luminous. J. Ross. 145,876; Nov. 5.
Ball, Rolling clown. L. Z. Plebanek. 145,875; Nov. 5.
Clock. A. E. Lamberg. 145,872; Nov. 5.
Doll head. E. Aleshin. 145,865–6; Nov. 5.
Holder for flowers or other slender articles. F. P. Fletcher. 145,867–8; Nov. 5.
Holder, Score pad. G. Tucker. 145,877; Nov. 5.
Pen, Fountain. W. Green and P. Schladermundt. 145,870; Nov. 5.
Rack, Tie. L. J. Pauly. 145,874; Nov. 5.
Textile fabric, Embroidered. F. J. Keil. 145,871; Nov. 5.
Toy boat or similar article. L. J. Nowak, Jr. 145,873; Nov. 5.
X-ray machine, Foot. M. B. Adrian. 145,864; Nov. 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive, Coated. H. P. Kirchner and A. L. Ball. 2,410,506; Nov. 5.
Actuating mechanism for internal-combustion engines, Valve. G. E. Howard. 2,410,660; Nov. 5.
Adhesive compositions. C. W. Johnson. 2,410,414; Nov. 5.
Aerial pickup device. M. E. Landry. 2,410,451; Nov. 5.
Agitation and aeration apparatus. A. C. Daman. 2,410,429; Nov. 5.
Aircraft control apparatus. R. T. Hurley. 2,410,502; Nov. 5.
Aircraft, Rotative-winged. H. H. Platt. 2,410,459; Nov. 5.
Aircraft rotor wing construction. J. S. Pecker. 2,410,609; Nov. 5.
Airplane weighing apparatus. H. O. Hem. 2,410,654; Nov. 5.
Airplane wheel attachment. A. Backstrom. 2,410,622; Nov. 5.
Airway traffic control system. S. N. Wight and O. S. Field. 2,410,540; Nov. 5.
Alarm, Tape feed. L. M. Potts. 2,410,521; Nov. 5.
Alkyd resins, Modification of. L. Auer. 2,410,418; Nov. 5.
Alkyl mercapto substituted amino benzoic acid alkamine amides, salts intermediates and preparing same. J. J. Donleavy. 2,410,431; Nov. 5.
Alkylated aromatic compounds, Manufacture of. L. Schmerling and V. N. Ipatieff. 2,410,553; Nov. 5.
Alkylation process. H. J. Hepp. 2,410,498; Nov. 5.
Allyl chloride, Production of. W. Flemming and G. Stein. 2,410,647; Nov. 5.
Amidine salts, Soluble. G. Newbury and A. P. T. Easson. 2,410,796; Nov. 5.
Amino esters of diaryl succinic acids. K. G. Pleger and A. J. Hill. 2,410,791; Nov. 5.
Antenna switching system. W. D. Hershberger. 2,410,657; Nov. 5.
Antenna system. G. H. Brown and D. W. Peterson. 2,410,597; Nov. 5.
Aperture for electron image devices, Limiting. J. Hillier. 2,410,658; Nov. 5.
Apparatus for assembling articles. G. D. Lea and C. L. Pfeiffer. 2,410,665; Nov. 5.
Apparatus for fabricating welded wire fabrics. T. H. Wickwire, Jr. 2,410,766; Nov. 5.
Apparatus for forming sheet metal. J. S. Nielsen. 2,410,676; Nov. 5.
Apparatus for making gut strings. F. Lange. 2,410,509; Nov. 5.
Apparatus for molding lenses. J. H. Webb. 2,410,616; Nov. 5.
Apparatus for shaping objects provided with curved surfaces. H. G. Hoffer. 2,410,443; Nov. 5.
Apparatus for the manufacture of synthetic yarn. H. O. Naumann. 2,410,456; Nov. 5.
Apparatus for use in the hydrogenation of oils. L. H. Manderstam and L. W. Warner. 2,410,670; Nov. 5.
Appliance for paint sprayers. J. D. Tessier. 2,410,532; Nov. 5.
Applicator and dispenser, Medicinal. J. P. Robinson. 2,410,460; Nov. 5.
Apron. P. Dorcey. 2,410,639; Nov. 5.
Aromatic compounds, Production of. H. Pines and V. N. Ipatieff. 2,410,554; Nov. 5.
Aryl alkyl amino alkanes and compositions thereof. G. J. Van Zoeren. 2,410,469; Nov. 5.
Ash receiver. A. Michyeta. 2,410,606; Nov. 5.
Auto charger. W. G. Schinske. 2,410,527; Nov. 5.
Automatic hydraulic brake. C. A. Green and E. M. Seifert. 2,410,440; Nov. 5.
Automotive vehicle. F. A. Watson. 2,410,557; Nov. 5.
Bar-swaging machine, Power-driven. A. P. Newall. 2,410,742; Nov. 5.
Bearing. L. P. Crosman. 2,410,719; Nov. 5.
Belt. A. Saller. 2,410,759; Nov. 5.
Blade phase and constant speed synchronizer for multiple motor aircraft. W. S. Hoover. 2,410,659; Nov. 5.
Blades, Making tool. R. Harte. 2,410,784; Nov. 5.
Blind and hit detector, Automatic. C. G. Hieronymus, G. H. Ridings, and R. J. Wise. 2,410,442; Nov. 5.
Blind, Venetian. E. A. Olson. 2,410,549; Nov. 5.
Blower, Ensilage. E. F. Huddle. 2,410,501; Nov. 5.
Bomb sight. H. C. Van Auken and F. N. Esher. 2,410,468; Nov. 5.
Bonded reinforcing frame. W. H. Turner. 2,410,466; Nov. 5.
Bonding method. L. B. Scott. 2,410,464; Nov. 5.
Book cover. I. L. Lesavoy. 2,410,741; Nov. 5.

Box: *See*—
Container and display box. Jewelry box.
Floor or wall safety box. Outdoor switch box.
Foldable box.

Brake: *See*—
Automatic hydraulic brake. Coaster brake.

Brake arrangement. C. L. Eksergian. 2,410,574; Nov. 5.
Brake for electric motors. J. A. Chilman. 2,410,630; Nov. 5.
Braking apparatus, Emergency. W. E. Wread, Sr. 2,410,592; Nov. 5.

Burner: *See*—
Generator type burner.
Radiant flame compression burner.

Button, Screw thread micrometer. R. T. Easton and A. H. Griffith. 2,410,571; Nov. 5.
Calipers, Double. D. H. Sayward. 2,410,686; Nov. 5.

Car: *See*—
Railway car. Refrigerator car.

Carbamide derivatives, Manufacture of. J. R. Durland. 2,410,407; Nov. 5.
Carburetor. A. L. Thompson. 2,410,758; Nov. 5.
Carburetor, Nonicing. G. M. Bicknell. 2,410,564; Nov. 5.
Carriage for metal drawing apparatus. R. W. Andrews, Jr., and A. T. Delly. 2,410,594; Nov. 5.
Cartridge for guns. J. O. Evans, Jr. 2,410,435; Nov. 5.

Case: *See*—
Leakproof powder case.

Catalysts and catalytic processes. F. J. Ewing. 2,410,436; Nov. 5.
Catalysts, Manufacture. G. M. Webb and M. A. Smith. 2,410,558; Nov. 5.
Cementing compound. N. L. Rude. 2,410,612; Nov. 5.
Cementitious material, Making heat resistant. A. Tropiano. 2,410,761; Nov. 5.
Change-over relay, Automatic. M. K. Parkhurst. 2,410,677; Nov. 5.
Choppers, Food. H. W. Brooks. 2,410,709; Nov. 5.
Chuck, Dental hand-piece. C. E. Garnier. 2,410,439; Nov. 5.

Circuit: *See*—
Electron discharge circuit. Sweep circuit.
Phase shifting circuit.
Superregenerative receiver circuit.

Circuit interrupting device. E. F. Kohl. 2,410,663; Nov. 5.

Clamp: *See*—
Skin clamp.

Coaster brake. E. E. Hood. 2,410,785; Nov. 5.
Coating apparatus, Lens. G. L. Dimmick. 2,410,720; Nov. 5.
Coloring matters, Manufacture of new. E. P. Goodings and M. A. T. Rogers. 2,410,604; Nov. 5.
Comber. A. Job. 2,410,738; Nov. 5.
Computer. N. W. Feldman. 2,410,437; Nov. 5.
Condensers, Impregnating. B. Springer. 2,410,756; Nov. 5.
Conduit and coupling for same, Flexible. I. Cowles. 2,410,600; Nov. 5.

Connector: *See*—
Electrical connector.

Container: *See*—
Match and cigarette container.

Container and display box. W. T. Wayne. 2,410,615; Nov. 5.
Container and making it. V. A. Rayburn. 2,410,681; Nov. 5.
Container-drawer stop and aligning means. P. Zalkind. 2,410,701; Nov. 5.
Control apparatus. T. A. Cohen. 2,410,568; Nov. 5.
Control for hydraulic presses. E. Cannon. 2,410,712; Nov. 5.
Control inverter change-over system. M. K. Parkhurst. 2,410,678; Nov. 5.
Control mechanism. R. Chilton and D. G. MacCulloch. 2,410,631; Nov. 5.
Control mechanism for rotors of rotary wing aircraft, Pitch. D. W. Main. 2,410,545; Nov. 5.
Control mechanism, Fuel. M. E. Chandler. 2,410,773; Nov. 5.
Control system, Actuator. C. J. Werner. 2,410,695; Nov. 5.
Control system, Electric. P. Glass. 2,410,651; Nov. 5.
Control system for remotely positioned radio apparatus. D. H. Chaney. 2,410,426; Nov. 5.

Control system, Turret. M. A. Edwards and C. F. Byrum. 2,410,723; Nov. 5.
Converter, High-to-low-pressure. E. A. Rockwell. 2,410,750; Nov. 5.
Conveyer, Shaker. E. J. Doberstein. 2,410,481–2; Nov. 5.
Cord, Coated. T. R. Ten Broeck. 2,410,792; Nov. 5.
Cost computing meter. W. J. Pearson. 2,410,743; Nov. 5.

Coupling: *See*—
Detachable coupling.

Cover: *See*—
Book cover.

Curler, Hair. S. and R. Wirsing. 2,410,617; Nov. 5.
Curtain, Crisscross. G. Kahn. 2,410,662; Nov. 5.
Cutlery. E. Echikson. 2,410,572; Nov. 5.
Cyclotrimethylenetrinitramine recovery. J. A. Wyler. 2,410,699; Nov. 5.
Dehydrator. A. P. Nichols, Jr. 2,410,675; Nov. 5.
Denture packing. E. S. Mills. 2,410,453; Nov. 5.
Detecting system, Obstacle. C. H. Brown. 2,410,424; Nov. 5.
Device for dredging gravel or the like. K. von Hagen. 2,410,765; Nov. 5.
Device for measuring high-frequency power. W. E. Bradley and N. Johnson. 2,410,706–7; Nov. 5.
Device for mounting engine hoods on motor vehicles. E. Hiltzelberger. 2,410,734; Nov. 5.
Diamond and making the same. O. V. Lindqvist and F. D. Martin. 2,410,512; Nov. 5.
Dielectric and insulating composition. F. M. Clark. 2,410,714; Nov. 5.
Dietary supplement and making. Vitamin and mineral. C. N. Andersen. 2,410,417; Nov. 5.
Digging attachment for tractors, Post hole. T. T. Lamme. 2,410,508; Nov. 5.
Dimension testing gauge. S. Wilkinson and A. Green. 2,410,697; Nov. 5.
Diolefinic hydrocarbons by reaction of an alcohol with an acetylenic hydrocarbon, Production of. V. N. Ipatieff and H. Pines. 2,410,445; Nov. 5.
Discharging device, Liquid. J. D. Strobell. 2,410,692; Nov. 5.
Disinfecting and preserving compositions. W. Hentrich and W. Kaiser. 2,410,497; Nov. 5.

Door: *See*—
Sliding car door.

Drilling apparatus. W. W. Paget. 2,410,458; Nov. 5.
Drilling device. S. Shinomiya. 2,410,753; Nov. 5.
Drive and timing mechanism, Shutter. C. M. Carroll. 2,410,629; Nov. 5.
Drive mechanism. M. Ware. 2,410,556; Nov. 5.
Dry rosin size and making the same. A. C. Dreshfield. 2,410,433; Nov. 5.
Dumping machine, Box. F. J. McMichael. 2,410,515; Nov. 5.
Electrical connector. J. E. Stevens. 2,410,691; Nov. 5.
Electrical device. V. I. Zelov. 2,410,618; Nov. 5.
Electrode, Subaqueous arc-welding and cutting. B. Ronay. 2,410,461; Nov. 5.
Electromagnet. D. C. Wright and A. L. Ward. 2,410,794; Nov. 5.
Electron discharge circuit. S. Berkoff and R. B. Dome. 2,410,703; Nov. 5.
Elevator, Fireplace wood. L. P. Brunette. 2,410,628; Nov. 5.
Emulsions, Improving the sensitivity characteristics of. W. F. Smith and R. E. Stauffer. 2,410,690; Nov. 5.

Engine: *See*—
Internal-combustion engine. Two-cycle engine.

Engine. J. B. Brockhurst. 2,410,565; Nov. 5.
Engine or pump, Sliding vane. A. C. Bradford. 2,410,596; Nov. 5.
Engines, Method of and apparatus for starting. A. G. Bodine, Jr. 2,410,403; Nov. 5.
Esters of lactic and alpha-acetoxypropionic acids. Allyl and methallyl. C. E. Rehberg and C. H. Fisher. 2,410,551; Nov. 5.
Expansible wheel. A. Vonnegut. 2,410,536; Nov. 5.
Expansion valve. E. J. Dillman. 2,410,795; Nov. 5.

Extractor: *See*—
Fruit juice extractor.

Eyeleting machine. S. R. Gookin. 2,410,495; Nov. 5.
Fabric and making same, Three tone. G. V. Uihlein. 2,410,764; Nov. 5.
Fastener assembly. M. Hattan. 2,410,441; Nov. 5.
Fatty amide polymers. W. L. Morgan and E. D. McLeod. 2,410,788–9; Nov. 5.
Feed regulating means for sewing machines. F. Parry. 2,410,790; Nov. 5.
Feeder for threshers. R. B. Hitchcock and H. S. Seeber. 2,410,500; Nov. 5.
Feeding apparatus. V. E. Pratt and G. F. Gray. 2,410,611; Nov. 5.
Filler for cartons, Fiberboard cushioning. W. E. Turner. 2,410,591; Nov. 5.
Firebox, Locomotive boiler. H. E. May. 2,410,513; Nov. 5.
Fitting, Lubricant. E. W. Davis. 2,410,480; Nov. 5.
Fixture, Tool bit. V. W. Gideon. 2,410,494; Nov. 5.
Flatiron holder. I. Trevino. 2,410,534; Nov. 5.
Floor construction, Monolithic. I. A. Kirchner. 2,410,505; Nov. 5.
Floor furnace. J. S. Fagan. 2,410,488; Nov. 5.
Floor or wall safety box. C. Anderson. 2,410,475; Nov. 5.
Fluorite, Beneficiation of. R. B. Booth and J. E. Carpenter. 2,410,770; Nov. 5.
Foldable box. G. J. Evans. 2,410,486; Nov. 5.

Frame: *See*—
Bonded reinforcing frame.

Frequency modulation signaling system, Nonlinear. W. A. Fitch. 2,410,489; Nov. 5.
Fruit juice extractor. E. Barany. 2,410,562; Nov. 5.

Furnace: *See*—
Floor furnace.

Garment finisher. G. W. Du Nah. 2,410,485; Nov. 5.
Gaseous mixtures, Separation of hydrate-forming components of. A. J. L. Hutchinson. 2,410,583; Nov. 5.
Gases, Separation and recovery of unsaturated. R. A. Graff. 2,410,496; Nov. 5.

Gauge: *See*—
Dimension testing gauge.

Gauge for fuel tanks, Measuring. A. L. Richolson. 2,410,525; Nov. 5.
Gauges, Pneumatic comparator. C. B. Moore. 2,410,671; Nov. 5.
Gear for aircraft, Landing. B. D. Branner. 2,410,625; Nov. 5.
Gear teeth, Method of and apparatus for forming. A. Mackmann. 2,410,544; Nov. 5.
Generator type burner. J. L. Breese. 2,410,478; Nov. 5.
Glassmaking machinery. G. A. Breene and L. D. Garratt. 2,410,422; Nov. 5.
Glycerin from sugar by yeast fermentation, Production of. C. A. Neuberg and I. S. Roberts. 2,410,518; Nov. 5.
Governor. D. L. Zeigler. 2,410,474; Nov. 5.
Guayule, Treatment of. A. J. Gracia. 2,410,780; Nov. 5.
Guayule, Treatment of. A. J. Gracia and H. V. Powers. 2,410,781; Nov. 5.
Gun charger, Automatic machine. F. O. Wisman and W. C. Rohn. 2,410,767; Nov. 5.
Gyroscope, Electrical directional. W. R. Weems. 2,410,473; Nov. 5.
Heat stable compositions. J. K. Craver. 2,410,635; Nov. 5.
Heating apparatus. H. J. De N. McCollum. 2,410,547–8; Nov. 5.
Heating apparatus. G. T. Wait. 2,410,537; Nov. 5.
Helicopter with coaxial rotors and control means therefor. A. C. Thomson. 2,410,533; Nov. 5.
Hoist. F. and M. A. English. 2,410,777; Nov. 5.

Holder: *See*—
Flatiron holder.

Holster. B. Engle. 2,410,640; Nov. 5.
Hood, Respiratory spray. C. Wright. 2,410,593; Nov. 5.
Horizon for sighting instruments, Artificial. B. E. Luboshez. 2,410,667; Nov. 5.
Hot melt-coating composition. M. Salo and H. F. Vivian. 2,410,685; Nov. 5.
Hydracrylic acid, Manufacture of. H. S. Davis. 2,410,776; Nov. 5.
Hydraulic jack. O. J. Borngesser. 2,410,771; Nov. 5.
Hydraulic press. R. J. Hess and F. G. Cizek. 2,410,581; Nov. 5.
Hydrocarbon-substituted polysiloxane resin compositions containing lead monoxide, Curing. A. L. Jenny. 2,410,737; Nov. 5.

Indicator: *See*—
Program change indicator. Short-circuit indicator.

Inhibitors, Removing. A. J. Gracia. 2,410,779; Nov. 5.
Interlock and reinforcing element, File cabinet. P. Zalkind. 2,410,700; Nov. 5.
Internal-combustion engine. O. Fuscaldo. 2,410,728; Nov. 25.
Internal-combustion engine. D. K. Warner. 2,410,471; Nov. 5.
Iron steam connections, Pressing. A. Taliento. 2,410,693; Nov. 5.
Isobutylene with an alkyl acetylene and their preparation, Interpolymers of. D. W. Huebner and J. E. Fearey. 2,410,605; Nov. 5.

Jack: *See*—
Hydraulic jack.

Jewelry box. S. Trachtenberg. 2,410,760; Nov. 5.
Joint for leg braces. I. O. Witte. 2,410,560; Nov. 5.
Joint for pressure suits. G. D. Mallory. 2,410,786; Nov. 5.
Journalling mechanism. A. P. Davis. 2,410,602; Nov. 5.
Kiln, Rotary. W. R. Cliffe. 2,410,598; Nov. 5.
Knitting machine and knitting. F. W. Brown. 2,410,710; Nov. 5.
Lactates, Preparation. J. L. Jones. 2,410,740; Nov. 5.
Lapping machine. G. Sells, K. C. Johnson, and L. Black. 2,410,752; Nov. 5.
Leakproof powder case. A. S. Leitner. 2,410,585; Nov. 5.

Lifter: *See*—
Safety piepan lifter.

Liquid having a comparatively small change in viscosity, Hydraulic. J. D. Morgan. 2,410,608; Nov. 5.
Loader, Tractor mounted. C. Christiansen. 2,410,567; Nov. 5.
Loading device, Bale. R. P. Messenger and R. D. Acton. 2,410,516; Nov. 5.
Lubricant. A. D. Pickett. 2,410,610; Nov. 5.

Lubricant composition. J. J. Giammaria. 2,410,650; Nov. 5.
Magnetic separator. R. E. Crockett. 2,410,601; Nov. 5.
Magnetically operated switch. A. S. Raettig. 2,410,746; Nov. 5.
Mandrel. V. W. Gideon. 2,410,493; Nov. 5.
Mask, Voice transmitting gas. A. V. Motsinger. 2,410,454; Nov. 5.
Mat and heel protector. H. Hurford. 2,410,412; Nov. 5.
Match and cigarette container. G. P. Rufle. 2,410,684; Nov. 5.
Materials, Laminated. A. R. McGarvey. 2,410,586; Nov. 5.
Measuring device. S. Rosen. 2,410,552; Nov. 5.
Measuring system. J. P. Smith. 2,410,755; Nov. 5.
Mechanism for partially closing containers. C. Z. Monroe. 2,410,587; Nov. 5.
Meparcine dihydrochloride, Producing. W. A. Cowdrey and A. G. Murray. 2,410,406; Nov. 5.
Metallic compounds adapted to form an electrical contact. I. W. Cox. 2,410,717; Nov. 5.
Metallic films, Making mechanically resistant and highly reflecting. C. W. Hewlett. 2,410,733; Nov. 5.
Meter: *See*—
Cost computing meter.
Metering mechanism, Fuel injection. M. E. Chandler. 2,410,774; Nov. 5.
Microphone. O. Soldan. 2,410,528; Nov. 5.
Motion picture apparatus. D. Canady. 2,410,711; Nov. 5.
Mount, Gun. J. C. Trotter. 2,410,614; Nov. 5.
Mount, Instrument panel. C. S. Robinson. 2,410,749; Nov. 5.
Mounting: *See*—
Opthalmic mounting.
Mounting and brake therefor, Combined wheel. E. E. Wallace. 2,410,470; Nov. 5.
Nozzle device for enrobers on chocolate coating machines and the like, Air blast. A. A. Tunley. 2,410,762; Nov. 5.
Nut, Self-locking. C. B. Gwyn, Jr. 2,410,730; Nov. 5.
Nut, Self-locking. O. J. Huelster. 2,410,444; Nov. 5.
Oil composition, Hydrogenated. F. M. Clark. 2,410,715; Nov. 5.
Oil composition, Mineral. J. J. Giammaria. 2,410,578; Nov. 5.
Oil, Compounded lubricating. J. R. Griffin, Jr., and P. R. Van Ess. 2,410,652; Nov. 5.
Oil, Flushing. R. F. Ruthruff. 2,410,613; Nov. 5.
Oils and fats, Treating. B. H. S. Chappell. 2,410,427; Nov. 5.
Oils, Dewaxing. E. M. Dons and O. G. Mauro. 2,410,483; Nov. 5.
Oils, Preserving vitamin-containing. S. Musher. 2,410,455; Nov. 5.
Olefins, Polyhalogenated. R. M. Joyce, Jr. 2,410,541; Nov. 5.
Opthalmic mounting. S. E. Bouchard. 2,410,704; Nov. 5.
Ophthalmic test device. W. H. Glazer. 2,410,729; Nov. 5.
Optical quartz crystal testing apparatus. B. J. Babbitt. 2,410,621; Nov. 5.
Organic polybasic acid polyesters of hydroxydihydronorpolycyclopentadienes. H. A. Bruson. 2,410,425; Nov. 5.
Orienting mechanism for pulse echo systems. G. W. Leck. 2,410,666; Nov. 5.
Outdoor switch box. C. Opalek. 2,410,519; Nov. 5.
Oxidation, Process for. A. Farkas and A. F. Stribley, Jr. 2,410,642; Nov. 5.
Pan, Flexible load. D. Bailey. 2,410,561; Nov. 5.
Pan, Self-dumping. G. Smith. 2,410,754; Nov. 5.
Patent and other straight bar knitting machine, Cotton's. J. E. Lynam. 2,410,668; Nov. 5.
Peeling device, Fruit. E. J. Rios y Marquez. 2,410,683; Nov. 5.
Pen, Fountain. T. F. Brinson. 2,410,423; Nov. 5.
Phase-responsive system. J. A. Rankin. 2,410,523; Nov. 5.
Phase shifting circuit. R. B. Dome. 2,410,721; Nov. 5.
Photocell and circuit, Sensitive. C. W. Hansell. 2,410,732; Nov. 5.
Photoelectric integrator. P. Padva. 2,410,550; Nov. 5.
Photographic emulsions, Development of. S. S. Pierke and C. J. Staud. 2,410,644; Nov. 5.
Photographic emulsions, Sensitizing. S. E. Sheppard and H. R. Brigham. 2,410,689; Nov. 5.
Piers, Construction of. C. M. Goodrich. 2,410,778; Nov. 5.
Piston. R. T. Cornelius. 2,410,405; Nov. 5.
Piston construction for compressor units. V. Cronstedt and A. Kalitinsky. 2,410,428; Nov. 5.
Piston ring. W. S. Loeb. 2,410,452; Nov. 5.
Plastic product. M. A. Powers. 2,410,744; Nov. 5.
Plate, Face W. R. Schlage. 2,410,462; Nov. 5.
Plow, Snow. G. B. Kester. 2,410,543; Nov. 5.
Press: *See*—
Hydraulic press.
Pressure actuated valve. H. B. Schultz. 2,410,751; Nov. 5.
Pressure cushion device, Air and fluid. H. L. Cook. 2,410,716; Nov. 5.
Prime mover. G. W. Walton. 2,410,538; Nov. 5.
Printer's line-up table. J. West and W. M. Davis. 2,410,559; Nov. 5.
Printing apparatus, Textile. A. S. Jones. 2,410,415; Nov. 5.
Prism system, Optical. D. T. Street. 2,410,757; Nov. 5.
Program change indicator. R. A. Lynn. 2,410,669; Nov. 5.
Program-scheduling apparatus. H. F. Elliott. 2,410,724; Nov. 5.
Protecting shields, Eye. A. M. Flocker. 2,410,490; Nov. 5.
Protective composition and resulting product, Making. C. L. Shapiro. 2,410,688; Nov. 5.
Protector: *See*—
Mat and heel protector.
Pulp stock flow control. J. A. Rosmait. 2,410,526; Nov. 5.
Pulse transmitter. W. van B. Roberts. 2,410,748; Nov. 5.
Pulsing system. A. E. Joel, Jr. 2,410,446; Nov. 5.
Pump for internal-combustion engines, Fuel injection. H. Muller and A. Pischinger. 2,410,517; Nov. 5.
Rack and pinion mechanism. C. S. Fielding. 2,410,643; Nov. 5.
Rack or stand, Clothes. E. A. Becker. 2,410,563; Nov. 5.
Radiant flame compression burner. W. W. Kemp. 2,410,542; Nov. 5.
Radio system, Duplex. J. Evans. 2,410,641; Nov. 5.
Railway car. C. L. Heater. 2,410,580; Nov. 5.
Recorder-reproducer unit, Electric. F. L. Moore. 2,410,607; Nov. 5.
Refrigerator. G. Muffly. 2,410,672; Nov. 5.
Refrigerator car. H. W. Kleist. 2,410,449; Nov. 5.
Remote control system. J. W. Conklin. 2,410,599; Nov. 5.
Resisters, Age. A. F. Hardman. 2,410,783; Nov. 5.
Reversible wheel. C. J. Haag. 2,410,579; Nov. 5.
Ring: *See*—
Piston ring.
Rod charging machine. J. W. Garrow. 2,410,492; Nov. 5.
Roll, Forming. P. P. M. Dubosclard. 2,410,603; Nov. 5.
Roller, Snubber. J. Bellezza, Jr. 2,410,419; Nov. 5.
Roller, Tamping. E. T. Small. 2,410,465; Nov. 5.
Rubberlike products. R. F. Bacon and R. Fanelli. 2,410,595; Nov. 5.
Rubber, Preservation of. A. F. Hardman. 2,410,782; Nov. 5.
Rubber, Processed natural. W. F. Huppke. 2,410,661; Nov. 5.
Rubber suspension, Treating. T. B. Counselman. 2,410,633; Nov. 5.
Rule with lock and closure, Flexible tape. F. O. Carlson. 2,410,713; Nov. 5.
Safety control, Burner. D. E. Richardson and R. E. Yates. 2,410,524; Nov. 5.
Safety piepan lifter. T. Henrishon. 2,410,655; Nov. 5.
Saw device, Circular. P. Valentine. 2,410,467; Nov. 5.
Scale, Height measuring. L. M. Wheeler. 2,410,696; Nov. 5.
Scale, Weighing. H. O. Hem. 2,410,653; Nov. 5.
Scavenge system for engines. A. Kalitinsky. 2,410,448; Nov. 5.
Scraper. R. B. Bennett. 2,410,420; Nov. 5.
Seat: *See*—
Stool seat.
Securing means, Rug. C. R. Clark. 2,410,479; Nov. 5.
Selective system for gunfire control. A. P. Davis and J. K. Macomber. 2,410,638; Nov. 5.
Separator: *See*—
Magnetic separator.
Sewing machine. J. H. Pikul. 2,410,679; Nov. 5.
Sharpener, Lawn mower. R. T. Burrows. 2,410,566; Nov. 5.
Shear, Oscillating rotary. R. H. Stevens. 2,410,555; Nov. 5.
Shelf or rack for refrigerators, ovens and the like. W. Friegel. 2,410,648; Nov. 5.
Shield, Safety. E. T. Johnson. 2,410,503; Nov. 5.
Shock absorber structure. R. H. Whisler, Jr. 2,410,539; Nov. 5.
Shoe construction. J. Q. Strong. 2,410,530; Nov. 5.
Short-circuit indicator. W. P. Cress. 2,410,636; Nov. 5.
Shutter drive, Setting. C. C. Fuerst. 2,410,649; Nov. 5.
Sifter package for pharmaceuticals. M. R. Fields. 2,410,438; Nov. 5.
Signal means for life saving equipment. H. A. S. van Daalen. 2,410,535; Nov. 5.
Signal-translating system. D. B. Hoisington. 2,410,735; Nov. 5.
Signaling system for railroads. T. J. Judge. 2,410,504; Nov. 5.
Sizer for suspended solids, Hydraulic. G. M. Darby. 2,410,637; Nov. 5.
Sketching device. N. H. Juran. 2,410,447; Nov. 5.
Ski and snow shoe, Combination. J. W. Arsenault. 2,410,702; Nov. 5.
Skin clamp. M. T. Lawlor. 2,410,664; Nov. 5.
Slicing machine, Meat. G. R. Wood. 2,410,698; Nov. 5.
Sliding car door. F. Ditchfield. 2,410,484; Nov. 5.
Sling, Rope. R. F. Joy. 2,410,416; Nov. 5.

Slip mechanism, Automatic. A. L. Segelhorst. 2,410,589; Nov. 5.
Small objects, Method and apparatus for grinding. H. F. Fruth. 2,410,491; Nov. 5.
Smoker's article. E. W. Eweson. 2,410,487; Nov. 5.
Snap action mechanism. O. Rasmussen and R. C. Rike. 2,410,680; Nov. 5.
Solar operated electric switch. J. M. Brady. 2,410,421; Nov. 5.
Sound recording and reproducing machine, Duplex. A. B. Conant. 2,410,569; Nov. 5.
Spinning and twisting machine. H. A. Boyd. 2,410,705; Nov. 5.
Spinning tool. A. I. Appleton and C. H. Stahl. 2,410,476; Nov. 5.
Stencil, Sandblast. A. J. Wartha. 2,410,472; Nov. 5.
Step, Adjustable stilt. C. B. Higgins. 2,410,582; Nov. 5.
Steroscopic apparatus in relation to cinematograph reproduction and television. A. P. Franklin. 2,410,725; Nov. 5.
Stilbene derivatives, Preparing. O. Schwarzkopf. 2,410,463; Nov. 5.
Stimulator. J. C. Hinsey and W. A. Geohegan. 2,410,499; Nov. 5.
Stoker. C. K. Steins. 2,410,529; Nov. 5.
Stool seat. E. L. Furbish. 2,410,727; Nov. 5.
Stop motion for knitting machines. A. Crawford. 2,410,718; Nov. 5.
Stopping mechanism for weft replenishing looms. V. F. Sepavich. 2,410,687; Nov. 5.
Storage and dispensing device. J. J. Garubo. 2,410,410; Nov. 5.
Stove. E. Esson. 2,410,576; Nov. 5.
Suit, Inflatable. R. S. Colley, C. P. Krupp, and D. H. Shook. 2,410,632; Nov. 5.
Sulfamyl benzotriazoles. C. F. H. Allen and A. Bell. 2,410,619; Nov. 5.
Sulfonamidobenzimidazoles. C. F. H. Allen and A. Bell. 2,410,620; Nov. 5.
Sulfonamido pyrimidines. P. S. Winnek and R. O. Roblin, Jr. 2,410,793; Nov. 5.
Sulphonamide derivatives, Preparation of new. G. C. Butler, E. Lozinski, and A. D. Odell. 2,410,772; Nov. 5.
Superregenerative receiver circuit. J. A. Worcester, Jr. 2,410,768; Nov. 5.
Support: *See*—
Vibration preventing syphon tube support.
Support for bifocal lenses, Adjustable. C. D. Jencks. 2,410,584; Nov. 5.
Suspension, Axle. J. Ledwinka. 2,410,402; Nov. 5.
Sweep circuit. D. W. Pugsley. 2,410,745; Nov. 5.
Switch: *See*—
Magnetically operated switch.
Solar operated electric switch.
Switching mechanism. P. B. Drake. 2,410,432; Nov. 5.
Synchronizing device. J. H. Letsinger and H. F. Foley. 2,410,511; Nov. 5.
Table: *See*—
Printer's line-up table.
Table drive, Multiple. R. Tyler. 2,410,694; Nov. 5.
Tackifier, Rubber. S. A. Ballard and J. A. Perona. 2,410,623; Nov. 5.
Tandem axle vehicle. F. M. Reid. 2,410,747; Nov. 5.
Telephone. W. H. Edwards and M. S. Richardson. 2,410,434; Nov. 5.
Telephone substation apparatus. D. B. Miller. 2,410,787; Nov. 5.
Telephone system. J. E. Ostline. 2,410,520; Nov. 5.
Thermosetting material, Molding. N. Lester. 2,410,510; Nov. 5.
Tile, Acoustic. A. B. Hurley. 2,410,413; Nov. 5.
Timer, Picture or film. M. Fleischer and G. M. Mast. 2,410,577; Nov. 5.
Tool: *See*—
Spinning tool.
Toy. A. Brand. 2,410,627; Nov. 5.
Toy element, Construction. E. W. Farmer. 2,410,409; Nov. 5.
Toy, Flying propeller. J. L. Friedman. 2,410,726; Nov. 5.
Toy, Jet propelled. N. R. Richardson. 2,410,682; Nov. 5.
Toy, Wheeled. A. Finn and L. Rostoker. 2,410,646; Nov. 5.
Track for track laying vehicles. R. M. Knight. 2,410,507; Nov. 5.
Tracklaying vehicle. P. H. Johnson. 2,410,739; Nov. 5.
Trailer attachment, Boat. L. W. Davis. 2,410,570; Nov. 5.
Transformer apparatus. C. P. Boucher. 2,410,624; Nov. 5.
Transformer, Tuned ultra high frequency. E. W. Herold. 2,410,656; Nov. 5.
Treating surfaces, Means and method of. J. M. Boudreau. 2,410,626; Nov. 5.
Turbine apparatus. R. P. Kroon. 2,410,450; Nov. 5.
Turbine blade and assembly thereof. A. J. Phelan and V. H. Pavlecka. 2,410,588; Nov. 5.
Turbine, turbine type compressor, and the like rotating machine. K. Baumann. 2,410,769; Nov. 5.
Turbines, Operation and regulation of combustion. F. Nettel. 2,410,457; Nov. 5.
Turner, Bag. B. A. Hannewald, J. J. Lee, and J. M. Wheatley. 2,410,731; Nov. 5.
Twister and doubler, Multiple. S. C. Nelson. 2,410,674; Nov. 5.
Two-cycle engine. D. Blumberg. 2,410,477; Nov. 5.
Valve: *See*—
Expansion valve.
Pressure actuated valve.
Valve. J. D. Buchanan. 2,410,404; Nov. 5.
Valve construction. I. E. McCabe. 2,410,546; Nov. 5.
Valve control mechanism, Engine. A. T. Gregory. 2,410,411; Nov. 5.
Valve for gas compressors, Inlet. W. S. Powell. 2,410,522; Nov. 5.
Valve system for sea wave power installations. P. F. Danel. 2,410,430; Nov. 5.
Variable stroke mechanism. R. H. Breither, H. L. Seiden, C. T. Breitenstein, and F. G. Nicholaus. 2,410,708; Nov. 5.
Vehicle: *See*—
Automotive vehicle.
Tracklaying vehicle.
Tandem axle vehicle.
Ventilating system, Crankcase. E. McCormick. 2,410,514; Nov. 5.
Vibration preventing syphon tube support. A. W. Uhl. 2,410,763; Nov. 5.
Viewing device, Film. C. J. Eckert. 2,410,722; Nov. 5.
Vinyl compounds, Stabilization of. J. R. Durland. 2,410,408; Nov. 5.
Vinyl halide resins, Color stabilization of. F. W. Cox and J. M. Wallace, Jr. 2,410,775; Nov. 5.
Vitamin A activity and new vitaminous products, Preparing substances having. N. D. Embree and E. M. Shantz. 2,410,575; Nov. 5.
Vitamin B_6, Synthesis of. L. J. Szabo. 2,410,531; Nov. 5.
Vitamins, Concentration of fat-soluble. E. M. Shantz. 2,410,590; Nov. 5.
Wave-signal receiver, Pulse-modulated. D. B. Hoisington. 2,410,736; Nov. 5.
Waxer and polisher, Manual floor. A. Corrêa. 2,410,634; Nov. 5.
Wheel: *See*—
Expansible wheel.
Reversible wheel.
Wheel and rim organization. C. L. Eksergian. 2,410,573; Nov. 5.
Wood filler, Gasoline-resistant. T. M. Finley. 2,410,645; Nov. 5.
Yarn, Manufacture of synthetic. H. O. Naumann. 2,410,673; Nov. 5.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 5, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 2.1: 2,410,632
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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Patents	344	No. 2,410,797 to No. 2,411,140, inclusive.
Designs	39	No. 145,878 to No. 145,916, inclusive.
Total	669	

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,277,941, Richard Almy, Manufacture of shoes, decided Aug. 9, 1946, claims 25 and 31.

Pat. 2,302,697, Morris Katzman, Surface modifying compositions, decided Aug. 22, 1946, claims 1, 2, 7, 8, 13, and 15.

Pat. 2,324,269, O. J. Poupitch, Fastening device, decided Aug. 30, 1946, claim 6.

Pat. 2,354,739, H. P. Clausen, Sound recording machine, decided Oct. 23, 1946, claims 1 and 2.

Pat. 2,375,525, H. P. Clausen, Remotely controlled sound recording and reproducing machine, decided Oct. 23, 1946, claims 1, 4, 6, 8, and 21.

Printed Copies of Patents

A printed copy of the complete specification and drawings of any patent published herein can be obtained for twenty-five cents.

Disclaimer

2,362,294.—*Albert H. Mittag,* Schenectady, N. Y. ELECTRIC CONTROL CIRCUIT. Patent dated Nov. 7, 1944. Disclaimer filed Oct. 17, 1946, by the assignee, *General Electric Company.*

Hereby enters this disclaimer of claims 4 and 8 of said patent.

Adjudicated Patent

(D. C. N. Y.) Lewis & Menihan patent, No. 2,118,888, for making reproductions of written or typed letters, claims 10 and 11 *Held* valid and infringed. *Old Town Ribbon & Carbon Co.* v. *Carbon Mfg. Co.,* 66 F. Supp. 929; 70 USPQ 318.

Drawings

RULE 38

38. When there are drawings, the description will refer to the different views by figures and to the different parts by letters or numerals (preferably the latter).

RULE 52—EXTRACT

(*f*) The different views should be consecutively numbered. Letters and figures of reference must be carefully formed. They should, if possible, measure at least one-eighth of an inch in height, so that they may bear reduction to one twenty-fourth of an inch; and they may be much larger when there is sufficient room. They must be so placed in the closed and complex parts of drawings as not to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, where there is available space, and connected by short lines with the parts to which they refer and by short broken lines when the number or letters refer to parts shown in dotted lines. They should not be placed upon shaded surfaces, and when it is difficult to avoid this, a blank space must be left in the shading where the letter occurs, so that it shall appear perfectly distinct and separate from the work. If the same part of an invention appears in more than one view of the drawing it must always be represented by the same character, and the same character must never be used to designate different parts.

It is suggested that numerals or letters be used without exponents.

Printed Copies of Trade-Marks

A printed copy of the drawing and statement of any registered trade-mark can be obtained for ten cents.

Condition of Applications Under Examination at Close of Business October 18, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 126,754; Trade-Mark Division, 10,492. Oldest new case, April 9, 1945; oldest amended, April 20, 1945.)
(The dates given are 1945 except where † indicates 1946.)

	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1.	GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	May 29	July 12	2270
2.	HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 23	July 3	2991
3.	SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	June 12	July 3	2011
4.	BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Aug. 30	Aug. 24	2324
5.	ROBINSON, C. W.; Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3487
6.	GENIESSE, E. W., Carbon Chemistry (part)	Nov. 5	Nov. 23	1735
7.	HANLIN, GEORGE, Optics, Photography	June 30	Nov. 21	1919
8.	IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 25	Aug. 11	3094
9.	BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	June 1	May 11	2105
10.	ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Aug. 9	Aug. 6	1481
11.	BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 11	†Mar. 6	713
12.	SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 7	June 23	2513
13.	BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	June 21	2022
14.	FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 30	Sept. 21	1443
15.	HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part): Plastics.	Sept. 20	Sept. 12	1170
16.	LOVEWELL, N. N., Telegraphy; Telephony	Sept. 25	Sept. 12	1227
17.	HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Webb Feeding; Type Setting.	July 5	May 2	1099
18.	KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 6	1830
19.	PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Nov. 7	Oct. 20	1627
20.	BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 30	July 4	1747
21.	THOMPSON, T. J., Textiles	†Feb. 6	†Feb. 7	729
22.	CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 18	1816
23.	LEWIS, J. B., Cash Registers; Calculators (part)	Sept. 21	Aug. 17	230
24.	LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 6	†Feb. 4	1105
25.	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 21	Sept. 1	1430
26.	YOUNG, R. R., Electricity—Generation and Motive Power	Apr. 24	July 11	1835
27.	CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	June 18	June 22	1979
28.	SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	June 6	May 23	1451
29.	SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	July 21	June 30	1997
30.	BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 18	July 31	2266
31.	DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Apr. 2	†Mar. 29	898
32.	LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	May 4	Sept. 21	2091
33.	KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 13	July 26	2895
34.	SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 31	Sept. 12	1202
35.	BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 27	Sept. 27	1805
36.	McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1605
37.	WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 8	Sept. 18	1303
38.	KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part) Ornamentation	Aug. 31	Sept. 20	1269
39.	WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 21	May 23	2371
40.	DRUMMOND, E. J., Receptacles (part); Packages	Aug. 10	Oct. 4	2436
41.	HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Apr. 9	Aug. 14	816
42.	MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 23	Oct. 25	972
43.	STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 13	Aug. 10	1191
44.	HARVEY, L. P., Refrigeration; Preserving	May 4	June 21	1195
45.	LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 17	July 18	2367
46.	MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 11	Sept. 13	1456
47.	KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 18	Oct. 1	2651
48.	BERNSTEIN S., Electricity, General Applications; Electric Igniters	Apr. 19	Apr. 20	1899
49.	SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 7	Aug. 24	1562
50.	LEVIN, SAMUEL, Synthetic Resins	Oct. 17	Oct. 17	2179
51.	FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	July 9	July 12	2202
52.	KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 5	July 27	3029
53.	BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 24	3107
54.	STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 23	June 5	2047
55.	BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 13	Sept. 5	1610
56.	COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 27	Sept. 7	1402
57.	NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Apr. 9	June 11	2767
58.	DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 28	Dec. 5	1150
59.	SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 9	May 28	2021
60.	GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Sept. 21	1771
61.	YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	July 7	June 21	2443
62.	PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 16	Apr. 27	3479
63.	WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	July 24	July 21	1913
64.	NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 27	†Mar. 12	932
65.	McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 30	June 20	2300
	TRADE-MARKS: RICHMOND, F. A	Dec. 29	†June 6	10492
	DESIGNS: KALUPY, H. H	Dec. 13	†July 20	6802

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

WINKELMANN *v.* CALVERT

No. 5,084. Decided May 9, 1946

[154 F.(2d) 1012; 69 USPQ 406]

1. APPLICATIONS—CROSS REFERENCES—RULE 43.
"Rule 43 of the Rules of Practice in the United States Patent Office imposes a legal obligation upon an applicant who files two or more applications relating to the same subject matter of invention, 'all showing but only one claiming the same thing,' to provide in the applications not claiming the invention references to the application which does claim it."

2. RES JUDICATA.
"The doctrine of res judicata is applied to the Court of Customs and Patent Appeals in the adjudication of cases which relate not only to patents but also to trademarks."

3. SAME—INTERFERENCE.
Where priority of invention of the product defined "substantially" in the counts of the interference at bar (copied by Calvert in his application from one patent to Winkelmann), was distinctly put in issue and directly determined, in favor of Calvert, in a prior interference between Calvert and Winkelmann (involving counts copied by Calvert in his same application from three other Winkelmann patents), *Held* that the doctrine of res judicata was applicable to the case at bar, and that priority was properly awarded to Calvert on that ground.

4. SAME—SAME.
"There is no merit in appellant's contention upon the facts presented here that a party to an interference under rule 109 may of his own free will forfeit not only his right but also the opportunity to put in interference any claims already in his application or patent, which should be made the basis of interference between himself and any of the other parties, without affecting his right to subsequently call upon the involved parties as well as the courts to relitigate in an interference proceeding the very issue he had deliberately evaded."

5. INTERFERENCE—ESTOPPEL—ESTOPPEL AGAINST ESTOPPEL.
The refusal to admit a patent to Winkelmann to the prior interference with Calvert on motion by the latter under rule 109, and the requirement that Calvert proceed ex parte to ask for a second interference, and Calvert's assent, *Held* not to create an estoppel to raise the question of estoppel against Winkelmann in the second interference.

6. SAME—SAME—SAME.
"The record establishes the fact that during the prosecution of the issue in the prior interference only Winkelmann knew that Winkelmann himself was then claiming the counts of the present interference in a copending application. Having been awarded a final decision of priority on all the counts in that prior interference, the appropriate procedure on the part of Calvert to secure the present counts, according to the recommendation of the Examiner, was through a second interference. Calvert unquestionably had the right under the circumstances to amend his application after receiving the award of priority."

APPEAL from the Patent Office. Affirmed.

Messrs. Zabel and Gritzbaugh (*Mr. Edward C. Gritzbaugh, Mr. Max W. Zabel* and *Mr. Foster York* of counsel) for Winkelmann.

Mr. R. H. Waters and *Messrs. Pennie, Davis, Marvin & Edmonds* (*Mr. Clarence M. Fisher, Mr. Frank E. Barrows* and *Mr. Roger T. McLean* of counsel) for Calvert.

O'CONNELL, *J.*:

This appeal[1] by Winkelmann from the decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention to Calvert involves not only the same parties but also the same general subject matter as Interference No. 74,296 previously involved and litigated to a final decision here in *Calvert* v. *Winkelmann*, 29 C. C. P. A. (Patents) 1200, 129 F.(2d) 536, 54 USPQ 257, 544 O. G. 3.

More specifically, this interference was declared for the purpose of determining the question of priority of invention between Winkelmann's Patent No. 2,115,055, granted April 26, 1938, on his application, Serial No. 55,413, filed December 20, 1935, and Calvert's application, Serial No. 133,172, filed March 26, 1937.

The invention relates to a composition of matter comprising as an essential ingredient a rubber hydrochloride intimately admixed with a portion of lead oxide (litharge) and was broadly disclosed and claimed both from a process and product standpoint in the prior interference. The present interference is for a species of that broader invention and is claimed solely as a product.

The counts here in issue read—

1. A composition of matter comprising a rubber hydrohalide and litharge.
2. A plastic composition comprising as an essential ingredient a rubber hydrochloride intimately admixed with a minor proportion of litharge.
3. A plastic composition comprising as an essential ingredient a rubber hydrochloride intimately admixed with a minor proportion of lead oxide.

Three of the counts of the prior interference, 4, 15, and 18, read—

4. The method of making a homogeneous, thermoplastic composition, adapted for molding, calendering and the like, which comprises milling a rubber hydrochloride with a substance from the group consisting of basic magnesium compounds, basic alkali earth metal compounds, basic alkali metal compounds, basic lead compounds and amines.
15. The method of making molded and like formed products which comprises subjecting a substantially solid mixture of a rubber hydrohalide and a basic substance from the group consisting of basic magnesium compounds, basic alkali earth metal compounds, basic alkali metal compounds, basic lead compounds and amines to heat and pressure sufficient to flow the solid mixture into shape.
18. The product obtained in accordance with the process substantially as defined in claim 15, in which the selected basic substance is a basic inorganic compound.

Through assignment of the Calvert application to the Wingfoot Corporation, an affiliate of the Goodyear Tire & Rubber Company, and assignment of the Winkelmann patent to Marbon Corporation, the real parties in interest here, as in the prior interference, are Goodyear and Marbon.

[1] This cause was originally decided by this court on March 4, 1946. Thereafter, counsel for appellant filed a petition for rehearing. The rehearing was granted May 9, 1946, solely for the purpose of permitting the court to revise certain language in its original decision to which counsel for appellant had directed the court's attention.

The record submitted for review includes not only a transcript of the testimony and proceedings involved in the instant interference but also the entire record utilized by the court in reaching its decision in the prior interference.

Three patents to Winkelmann, No. 2,046,986, No. 2,075,251, and No. 2,075,254, from which all the counts of the prior interference were copied, were involved in that interference with Calvert's application which is again involved here.

The facts presented in the record of the prior interference, as pointed out in the decision of the court in *Calvert* v. *Winkelmann*, supra, established beyond any reasonable doubt that the invention of all the counts copied from the Winkelmann patents in the prior interference had their origin in Calvert when he was employed by Calvert's assignee, the Goodyear Tire & Rubber Company, and that the knowledge Calvert had acquired concerning the invention and its reduction to practice while working for Goodyear was surreptitiously sold by Calvert to Winkelmann's assignee prior to Winkelmann's earliest alleged date of conception. Upon the facts thus established, the court awarded priority to Calvert on all the counts there in issue.

[1] Rule 43 of the Rules of Practice in the United States Patent Office imposes a legal obligation upon an applicant who files two or more applications relating to the same subject matter of invention, "all showing but only one claiming the same thing," to provide in the applications not claiming the invention references to the application which does claim it.

The record here establishes that Winkelmann filed four applications relating to the same subject matter of invention, "all showing but only one claiming the same thing," and that three of such applications not claiming the invention and involved in the prior interference contained no reference whatever to Winkelmann's then pending and here involved application which did claim it. By the suppression of facts he was under a legal obligation to divulge, Winkelmann was thus enabled for the time being to avoid an interference with appellee who, as Winkelmann knew, had also disclosed but did not claim the same thing.

More specifically, the Winkelmann patent, No. 2,046,986, involved in the prior interference discloses but does not specifically claim, the subject matter of the counts of the present interference. These counts were submitted as claims in Winkelmann's then pending application, No. 55,413, which matured into the Winkelmann patent here in issue, and were rejected by the Examiner on the ground that they were anticipated by Winkelmann's patent, No. 2,046,986, involved in the prior interference. Such claims were thereafter allowed, however, upon Winkelmann's amendment of application, No. 55,413, to provide that that application was "a continuation in part" of his application in Patent No. 2,046,986.

Although Winkelmann at that time was involved in litigating the issue of priority submitted for decision in the copending interference, No. 74,296, he failed to move under the authority conferred upon him by rule 109 of the Patent Office to make the allowed claims the basis of an interference and to settle the issue of priority in interference, No. 74,296, which involved not only the same parties but also the disclosure of the same invention.

The record further discloses that after the expiration of the motion period in the prior interference Winkelmann's continuing application, No. 55,413, matured into his here involved patent, No. 2,115,055. Thereupon, appellee Calvert amended his application by copying the claims of the newly granted patent to Winkelmann and moved under rule 109 to include the claims as a basis of interference in the then pending interference.

Calvert's motion was denied by the Examiner upon the ground that no authority was conferred either upon him or upon Calvert under rule 109 to include claims in the issue of an interference which were copied from a patent not involved in the interference. The Examiner in rendering his decision stated, however, that Calvert might seek an interference through an ex parte prosecution of the involved claims. Calvert thereupon adopted that procedure with the result that the present interference, No. 80,506, was declared.

Thereafter Calvert moved for judgment against the appellant Winkelmann on the grounds of res judicata and of estoppel, urging that Winkelmann was estopped from asserting the claims in his patent because of his failure to move to include in the prior interference the claims which constitute the counts here in issue. This motion was also denied by the Examiner on the ground that he was without authority to consider the motion as against a patentee and that the question was one to be considered by the Board of Interference Examiners at the final hearing.

At final hearing the party Calvert urged that on two grounds, namely, res judicata and estoppel, priority should be awarded to him. The party Winkelmann contended that there was insufficient basis for a decision upon these grounds or, if estoppel was present, that there existed a case of estoppel against estoppel.

After a painstaking review of Winkelmann's conduct both before and after the allowance of the involved claims which constitute the counts of the present interference and after discussing a notable list of authorities dealing with the application of the doctrine of res judicata and estoppel, but without passing upon the testimonial records, the Board of Interference Examiners decided—

> The principle of res adjudicata is applicable to the present case and there is no ground for the application of the doctrine of estoppel against estoppel; the party Calvert is accordingly entitled to the award of priority.

Appellant in his reasons of appeal alleges that the Board of Interference Examiners erred in holding that the decision in *Calvert* v. *Winkelmann*, supra, is res judicata against Winkelmann; and in failing to hold that a decision of priority based on a holding that a certain invention derived from another cannot support a res judicata holding that a different and divisible invention was so derived.

Appellant further urges that the Board erred in holding that Calvert was not estopped to raise the question of res judicata and estoppel; in failing to hold that under the special circumstances of this case the doctrine of estoppel under rule 109 is not applicable, and in failing to give consideration to the evidence submitted by Winkelmann on the question of originality, particularly the new evidence specifically introduced for the present interference.

[2] The doctrine of res judicata is applied in the Court of Customs and Patent Appeals in the adjudication of cases which relate not only to patents but also to trade-marl *In re Retail Clerks International Protective Association*, 32 C. C. P. A. (Patents) 1004, 149 F.(2d) 153, 65 USPQ 374, 577 O. G. 311. Res judicata as it is here applicable, and the principle upon which it rests, is clearly and authoritatively defined in *Southern Pacific Railroad Company* v. *United States*, 168 U. S. 1, at pages 48 and 49, to the following effect:

"The general principle announced in numerous cases is that a right, question or fact distinctly put in issue and directly determined by a court of competent jurisdiction, as a ground of recovery, cannot be disputed in a subsequent suit between the same parties or their privies; and even if the second suit is for a different cause of action, the right, question or fact once so determined must, as between the same parties or their privies, be taken as conclusively established, so long as the judgment in the first suit remains unmodified. This general rule is demanded by the very object for which civil courts have been established, which is to secure the peace and repose of society by the settlement of matters capable of judicial determination. Its enforcement is essential to the maintenance of social order; for, the aid of judicial tribunals would not be invoked for the vindication of rights of person and property, if, as between parties and their privies, conclusiveness did not attend the judgments of such tribunals in respect of all matters properly put in issue and actually determined by them."

[3][4][5][6] The fact distinctly put in issue and directly determined, as established by the record in *Calvert* v. *Winkelmann*, supra, was the priority of invention for a method of mixing a rubber hydrochloride or hydro-halide and a basic substance from the group consisting among other things, of basic lead compounds (litharge), and for the product thus obtained. That is the product claimed substantially in the counts of the instant interference and for which priority of invention has been previously awarded to Calvert as hereinbefore described.

There is no merit in appellant's contention upon the facts presented here that a party to an interference under rule 109 may of his own free will forfeit not only his right but also the opportunity to put in interference any claims already in his application or patent, which should be made the basis of interference between himself and any of the other parties, without affecting his right to subsequently call upon the involved parties as well as the courts to relitigate in an interference proceeding the very issue he had deliberately evaded.

Appellant's contention that there exists here an estoppel against estoppel is predicated upon the argument in his brief—

> The Patent Office refused to bring the Winkelmann patent involved in the present interference into the prior interference even though it was asked to do so by Calvert on a motion under rule 109, but stated that Calvert should proceed ex parte and ask for a second interference. This holding by the Patent Office, and the assent thereto by Calvert creates an estoppel against both the Patent Office and Calvert to raise the question of estoppel against Winkelmann.

The record establishes the fact that during the prosecution of the issue in the prior interference only Winkelmann knew that Winkelmann himself was then claiming the counts of the present interference in a copending application. Having been awarded a final decision of priority on all the counts in that prior interference, the appropriate procedure on the part of Calvert to secure the present counts, according to the recommendation of the Examiner, was through a second interference. Calvert unquestionably had the right under the circumstances to amend his application after receiving the award of priority.

In view of the foregoing conclusion, it would serve no useful purpose to discuss in this opinion other aspects of the case which have been presented by appellant. The decision of the Board of Interference Examiners is accordingly affirmed.

Affirmed.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,308,218. MOWER. Patented Jan. 12, 1943. Lawn mower has an attachment for lifting and protecting the branches of trees, bushes, etc., while mowing in close proximity thereto. A fender made of screen or the like is supported by a spacer bar and fits over lower portion of handle and cutting mechanism. The lower portion is made of rubber, leather, or the like to avoid sudden impacts. (Owner) Julius E. Underwood, % Diamond Alkali Company, Research Laboratories, Painesville, Ohio. Groups 33—49; 35—22. Reg. No. 4,233.

Pat. 2,342,476. DRAWING INSTRUMENT. Patented Feb. 22, 1944. This instrument comprises a graduated bar (or rule) along which a number of openings are provided. A pivot pin is held within a recess by a resilient clip. The instrument may be used as a measuring rule, a guide, or as a compass. To use as a compass the pivot pin is placed in one of the openings (to penetrate the paper on which the work is being done) so that a pencil may be inserted in one of the perforations (according to the size of the circle desired) and the bar is swung around the pin. The rule may be made of plastic or stamped of metal. For use by students, draftsmen and others. (Owners) Daniel J. McEvoy and Patrick J. McEvoy. Address correspondence to Daniel J. McEvoy, 6731 S. Sangamon St., Chicago 21, Ill. Group 39—11. Reg. No. 4,234.

Pat. 2,378,384. TIRE VALVE. Patented June 19, 1945. Groups 30—11; 35—69; 38—31. Reg. No. 4,235.

Pat. 2,400,969. COMBINATION VALVE AND WATER ADAPTER FOR TIRE TUBES. Patented May 28, 1946. Groups 30—11; 35—69; 38—31. Reg. No. 4,236.

The two patents listed above cover valves for facilitating the filling or inflating of inner tubes with either air or water and the recovery of the fluid if desired. In Patent 2,373,384 the valve has an outer end (having usual valve guts and seat) which may be removed and replaced by an adapter to which a hose may be connected. As adapter is screwed on valve the end of a slidable, tubular core will project inside inner tube. The end of a vent tube carried by adapter is simultaneously forced inside the inner tube. This vent may also function for introduction of air to force liquid from tube. Patent 2,400,969 shows a valve having a lateral extension. The outer end (having valve guts and seat) of the extension may be removed and replaced by an adapter which comprises only a threaded sleeve and hose connection. A vent tube is inserted through the valve so that its end projects inside the inner tube, but this tube does not pass through the extension. (Owner) Karl V. Baker, Malaga, Ohio.

Pat. 2,403,242. AUXILIARY RESERVOIR FOR INK BOTTLES. Patented July 2, 1946. A small shallow open receptacle is riveted to a split spring band positioned within the neck of an ink bottle of conventional construction. An outwardly turned lip enables the band to be seated on the mouth of the bottle without interfering with the screw top which seals the bottle. By simply tipping the closed bottle, the reservoir is filled. A fountain pen may be filled without smearing the barrel. (Owner) Everett C. Schweppe, 1334 Kansas Ave., Topeka, Kans. Group 32—29. Reg. No. 4,237.

Pat. 2,096,603. ELECTRIC LAMP. Patented Oct. 19, 1937. Lamp has a pair of filaments which are normally lighted when lamp is in use, and a third filament which is adapted to light should either filament burn out or fail to restore the lamp to its original brilliance. Should both filaments fail, or either of the two filaments and the third fail, the lamp will be maintained at half its original brilliance. At one junction point the ends of all three filaments and one lead-in wire are connected in the usual manner. At the other junction point a wing of fusible material on the free end of the third filament is out of contact. Unequal heat created by failure of either filament will deflect the wing into contact with the surviving filament and second lead-in wire to which it will become welded by the resultant increased heat. (Co-owner) Le Roy H. Baker. Address correspondence to E. S. Baker, 264 Sly Ave., Corning, N. Y. Group 36—51. Reg. No. 4,238.

Pat. 2,402,771. IMAGE TRANSLATING APPARATUS. Patented June 25, 1946. This patent is part of the system described in registrations 2,830 and 2,831 (Patent Nos. 2,148,500 and 2,313,088, respectively, published June 11, 1946) and relates particularly to a photoelectric apparatus for scanning the film of a meter reading camera which takes its reading by photographing the index dials of devices such as water, gas, and electric meters. The scanning apparatus is used in the preparation of control forms which regulate the operation of well-known accounting or statistical machines. Generally stated, the image of the dial pointer is moved over a graduated scale and scanned so that impulses are generated which correspond to decimal positions. The impulses are registered as perforations on control cards which are used for billing and other purposes. (Owner) Martha W. C. Potts, 1205 Elmwood Ave., Evanston, Ill. Group 35—71. Reg. No. 4,239.

Des. 145,069. DESIGN FOR A FOLDING TIE RACK. Patented June 25, 1946. This rack has a number of arms having extending pins or pegs on which ties may be hung. The ends of the pins are headed so that ties cannot slide off. The arms of the rack may be collapsed within a housing. (Owner) Joseph Cooper, 1781 Riverside Drive, New York, 34, N. Y. Groups 33—73; 40. Reg. No. 4,240.

Pat. 2,298,458. BLOCK MOLDING MACHINE. Patented Oct. 13, 1942. This machine relates to the molding of building blocks. Consists of a vertical frame, a rotary molding cradle, a face flange separator device, a vibrating tamper, and a block releasing elevator which allow the blocks to be molded in a single operation. The blocks have a single face portion backed by integral flanges and a pilaster portion with key-way depressions in its ends and a cavity into back. The machine also permits the blocks to be veneered with another texture or color during the molding operation by stopping the sleeve just short of its normal molding position (at which time it is filled with the usual molding material) leaving a subchamber which is filled later with veneering material. (Owner) Mrs. Elie Owen Blackwell. Address correspondence to A. F. Flournoy, 302 First National Bank Bldg., Shreveport, La. Groups 32—51; 35—59. Reg. No. 4,241.

Des. 145,139. DESIGN FOR A UTILITY TRUCK. Patented July 2, 1946. (Owner) George H. Lowerre, P. O. Box 1337, Hollywood, Calif. Group 37—99. Reg. No. 4,242.

Des. 140,588. DESIGN FOR A DOLL. Patented Mar. 13, 1945. (Owner) Kathryn G. Schnell. Address correspondence to L. M. Grow, 520 E. Dunedin Road, Columbus 2, Ohio. Groups 30—51; 39—42. Reg. No. 4,243.

Pat. 2,325,568. TRUCK. Patented July 27, 1943. Group 35—69. Reg. No. 4,244.

Pat. 2,357,548. TRUCK. Patented Sept. 5, 1944. Group 35—69. Reg. No. 4,245.

These two patents refer to the so-called "fork trucks" which are provided with a bucket that is picked up and dumped by the up and down movement of the fork and bucket. An upright, tiltable main frame is disposed at one end of the vehicle upon which is mounted an extension frame and carriage, the carriage being capable of individual up and down movement. The bucket is hinged at the bottom and supported by the carriage mechanism so that it may be elevated to either the supplemental or main frame, as desired. The trucks also feature special grappling hooks which automatically lock on the bail of the bucket to prevent downward movement with the carriage when the contents of the bucket are being dumped. (Co-owner) Charlotte E. Wilson, 101 Tremont St., Room 507, Boston, Mass.

Pat. 2,299,084. SEALING AND INSULATING GLASS FURNACES. Patented Oct. 20, 1942. This patent relates to a method of glass furnace insulation. The inventor claims the construction makes possible not only the retention of heat and the saving of fuel, but increases the melting capacity to such an extent that a small tank produces more glass than larger tanks now in use. The bottom and side walls of this tank are composed of a number of courses of vitreous non-porous, heat-resistant brick. A filler sheet is fused between the inner courses of the brick and forms a leak-proof seal. A seamless plate of tungsten-molybdenum between the outer courses forms a second filler sheet and a steel sheeting on the outside of the furnace holds the tank walls in position. (Owner) Enoch T. Ferngren, 112 Kenwood Ave., Clearwater, Fla. Group 35—59. Reg. No. 4,246.

Pat. 2,292,370. METHOD OF GATHERING MOLTEN GLASS. Patented Aug. 11, 1942. Several methods of gathering molten glass into a mold in such a way that the glass is cut from its supply without the presence of shear marks are recited in this patent. This may be accomplished by covering the severed lower end of the blank with melted glass which has had no prior chilling contact with any glass cutting or molding element. The hot glass is molded around the cut end to present a uniformly congealed surface. (Owner) Enoch T. Ferngren, 112 Kenwood Ave., Clearwater, Fla. Group 35—59. Reg. No. 4,247.

Pat. 2,401,858. EXHAUST MECHANISM FOR INTERNAL COMBUSTION ENGINES. Patented June 11, 1946. Dual exhaust pipes communicate with each other at their inner ends and with the usual valve controlled exhaust port of a cylinder. One pipe is provided with a mechanically operated valve and the other with a check valve. The check valve will open and remain open only when subjected to high gas pressure. During the stroke of the piston, hot, high-pressure gases entering the exhaust escape through the check valve before the other valve opens permitting the remaining low-pressure gases to escape to the atmosphere. The hot, high-pressure gases may be utilized for a wide variety of well-known purposes, such as operating a gas turbine or heating boilers. (Owner) Egbert Clark, Gamboa P. O., Canal Zone. Group 35—19. Reg. No. 4,248.

Pat. 2,374,870. VACUUM DISTILLATION APPARATUS. Patented May 1, 1945. Groups 28—24—29; 29—11; 35—51. Reg. No. 4,249.

Pat. 2,266,053. VACUUM DISTILLATION METHOD. Patented Dec. 16, 1941. Groups 28—24—29; 29—11; 35—51. Reg. No. 4,250.

These two patents cover a method and apparatus for fractional distillation or refining of a wide variety of products, including various mineral, vegetable, and animal oils, or petroleum products. A vertical fractionating column is provided with a plurality of cups around its inner walls leaving a substantially unobstructed passage for free movement of vapors. The cups continuously collect condensate fractions which overflow into the next lower cup. A depending lip surrounding the throat of the vessel containing the mother liquid prevents such liquid from washing-up and intermingling with the fraction in the lowermost cup. A spaced, sealed jacket surrounds the fractionating column and freely communicates with the top of such column to collect a fraction from the region above the uppermost cup. (Co-owner) Jesse L. Markel, 230 Moncada Way, San Francisco 12, Calif.

Pat. 2,398,960. TELEVISION IMAGE PROJECTION SYSTEM. Patented Apr. 23, 1946. This patent relates to a cathode ray projection tube using a method of transprojection in which a light beam is modulated by passing it through a light relay screen positioned within the tube. In one form, an assembly of optical members (reflector, condensing lens and a deflector, frusto-conical in form) all of which surround the neck of the tube is associated with an annular source of light which operates in conjunction with the tube. Within the tube is a modulating screen with light transmission characteristics and an "electron gun" positioned so that the optical axis is centrally located and perpendicular with respect to the plane of the screen. The inventor states that the arrangement obviates uneven distribution of light and image and frame distortion. (Owner) Harold P. Prosser, 800 South Third Ave., Mt. Vernon, N. Y. Group 36—61. Reg. No. 4,251.

Des. 145,121. DESIGN FOR A COMBINED CLOCK AND KIDDIE SCHEDULE. Patented July 2, 1946. (Owner) Lola Cookston, 5968 Romaine Place, St. Louis, Mo. Group 34—61. Reg. No. 4,252.

Des. 144,697. DESIGN FOR AN ALARM DEVICE OR SIMILAR ARTICLE. Patented May 14, 1946. (Owner) Clarence E. Custard, Fulton, Mo. Group 34—61. Reg. No. 4,253.

Pat. 2,399,141. WATER AUTOMOBILE. Patented Apr. 23, 1946. The body of this vehicle is watertight and adapted to float. The wheels are hydraulically controlled and vertically adjustable, allowing the vehicle to adapt itself to deep or shallow water. The rear wheels are of modified paddle wheel structure and power driven. Overhanging each wheel and supported for vertical turning movement is a fender or guard having an out-turned bottom edge and board which constitutes an elevator plane to raise or lower the vehicle on the water surface. The operation of the vehicle is similar to that of the ordinary automobile. The vehicle may also be used for land travel. (Owner) Joseph W. Quinn, 1019 16th St., Santa Monica, Calif. Groups 37—32; 38—11. Reg. No. 4,254.

Pat. 2,340,171. METHOD OF MAKING ANTISKID CHAINS. Patented Jan. 25, 1944. Groups 30—92; 31—99; 33—49. Reg. No. 4,255.

Pat. 2,273,692. FASTENING. Patented Feb. 17, 1942. Groups 30—92; 31—99; 33—49. Reg. No. 4,256.

Pat. 2,224,074. STRAP. Patented Dec. 3, 1940. Groups 30—92; 31—99; 33—49. Reg. No. 4,257.

These three patents are concerned with the type of antiskid chain which is held in place on the tire by a strap fastened around the rim of the wheel. Patent No. 2,224,074 relates particularly to the strap which holds the skid chain in place. The chain is prevented from slipping by

means of a rough surfaced strap lining which is soft and resilient and acts to grip the rim around which the strap is tightened. The roughened surface may consist of compressible rubber knob-like projections which are either vulcanized or riveted in place. Patent No. 2,273,692 describes a metal fastening plate for the chain and strap which acts to relieve a large part of the strain. Several modifications are shown. Patent No. 2,340,171 concerns the anti-skid proper. This chain comprises the usual twisted link the openings of which feature a substantially spool shaped stud. The head of each stud has a sharp-cornered hexagon to prevent the head from wearing smooth. The studs are loosely fitted so that they may turn and rock to provide better traction. The patent also contains a detailed method of fabrication. (Owner) Frederick G. L. Boyer, 85 Orchard Drive, Route 6, Hamilton, Ohio.

Pat. 2,160,597. WINDSHIELD DEFROSTER. Patented May 30, 1939. A defroster for the windshield of a motor vehicle warmed by an electric heating unit. Windshield sash is glazed with a pair of glass sheets spaced apart and supported in an insulated air-tight frame. The space between the glass houses a heating unit connected to the battery and controlled externally by a rheostat on the instrument board. (Owners) Henry F. Maloney and August K. Klein. Address correspondence to Henry F. Maloney, P. O. Box 66, Newton, Kans. Group 38—31. Reg. No. 4,258.

Pat. 2,145,983. CALF WEANER. Patented Feb. 7, 1939. This calf or colt weaner provides a device to prevent the young animal from nursing. It consists of a U-shaped metal nose strap having several pointed spurs which project outwardly and act to prod the mother animal causing her to leave the calf. The strap is pivotally connected to a pair of metal cheek straps and the whole is held over the calf's head by a series of straps which hold the weaner in position. The device does not interfere with ordinary feeding or drinking. (Owner) Wade P. Inabnit, % W. H. Reeder, R. F. D. # 1, Bozeman, Mont. Group 31—91. Reg. No. 4,259.

Pat. 2,183,654. SAFETY LINER SHOE. Patented Dec. 19, 1939. This device is for the prevention of damage to an oil well liner or screen. Threaded to the lower end of a perforated liner is a grooved metallic shoe having a closed end. The shoe is filled with cement or any other easily breakable material. The cement serves to indicate to the operator of a clean out tool that the bottom of a well has been reached and that the well is clean. (Owner) George W. Moore, 360 Junipero Ave., Long Beach 4, Calif. Group 35—32. Reg. No. 4,260.

Pat. 2,291,742. HOLE PLUG FOR OIL AND GAS WELLS. Patented Aug. 4, 1942. This patent relates to an oil or gas well plug consisting of an elongated and cylindrical body formed of concrete (as in Patent 2,183,654) or any other material which is easily breakable when drilled so that it will be easily recognizable to the operator of a bailer or the like to indicate that further use of a clean-out tool might cause serious injury to the bottom of a well. Embedded within the concrete is a pin which may be easily broken away so that the plug may be positioned at any point. (Owner) George W. Moore, 360 Junipero Ave., Long Beach 4, Calif. Group 35—32. Reg. No. 4,261.

Pat. 2,139,600. WRENCH. Patented Dec. 6, 1938. Adjustable end type of wrench has two companion handle members placed in edge to edge relation with integral jaws at one end. The other ends of the handles are pivotally connected. A bolt having right and left hand threads extends transversely through the handles directly behind the jaws. To move the jaws arcuately toward or away from each other the bolt is rotated by manipulating a thumb wheel positioned midway its ends. To limit outward movement of the jaws and strengthen wrench, as well as prevent undue strain on the bolt, the handles are bridged by a pair of pivoted links, which have collars on one end to hold them together and permit slidable association. (Owner) William A. Parker, Centerville, Tenn. Group 33—52. Reg. No. 4,262.

The General Electric Company will grant non-exclusive licenses to industrial concerns under the following patents on a reasonable royalty basis to manufacture, use and sell betatrons and is further prepared to grant free non-exclusive licenses under such patents to educational or similar institutions to construct betatrons by the use of the institutions' own facilities and to use such betatrons for non-profit purposes.

Pat. 2,297,305. MAGNETIC INDUCTION ACCELERATOR. Patented Sept. 29, 1942. Means for continuously varying the velocity of injected particles to insure their being captured by the accelerating field. In this patent as with the others that follow, the particles, when accelerated to a high velocity may be diverted from the accelerating orbit and used for the generation of X-rays or for the production of other useful effects. Group 36—92. Reg. No. 4,263.

Pat. 2,331,788. MAGNETIC INDUCTION ACCELERATOR. Patented Oct. 12, 1943. A device actuated directly by variations of the accelerating field to control the injection or release of charged particles at the most opportune instant. Group 36—92. Reg. No. 4,264.

Pat. 2,335,014. MAGNETIC INDUCTION ACCELERATOR. Patented Nov. 23, 1943. A movable target normally outside the orbit in which acceleration of the particles occurs but which can be moved into the orbit after the particles are fully accelerated. Group 36—92. Reg. No. 4,265.

Pat. 2,394,070. MAGNETIC INDUCTION ACCELERATOR. Patented Feb. 5, 1946. Means for deflecting the charged particles from their orbit following appropriate acceleration and in addition means for collecting the particles in a beam for use outside the accelerating vessel. Group 36—92. Reg. No. 4,266.

Pat. 2,394,071. MAGNETIC INDUCTION ACCELERATOR. Patented Feb. 5, 1946. Means of introducing charged particles into the accelerating chamber at the time during the alternating current cycle most favorable to the desired acceleration. Group 36—92. Reg. No. 4,267.

Pat. 2,394,072. ELECTRON ACCELERATOR CONTROL SYSTEM. Patented Feb. 5, 1946. A control system for magnetic induction accelerators to displace the electrons axially from the orbit in order to bring them into intercepting relationship with a target. Group 36—92. Reg. No. 4,268.

Pat. 2,394,073. ELECTRON ACCELERATOR. Patented Feb. 5, 1946. A system of applying a conducting coating to the interior of the accelerator chamber which will conduct away the charges accumulated thereon and at the same time be free of circulatory currents caused by magnetic flux. Group 36—92. Reg. No. 4,269.

Detailed information and applications for license may be obtained from Mr. Harry E. Dunham, Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Patents Removed from Register

Reg. No. 7. Patent 2,329,044. DUAL CYLINDER.
Reg. No. 149. Patent 1,933,250. CARRIER BAG.
Reg. No. 150. Patent 1,993,135. INVERSE CAM.
Reg. No. 151. Patent 2,029,418. REFLEX SHUTTER.
Reg. No. 179. Patent 2,302,698. MULTIPLE TISSUE CARRIER.
Reg. No. 538. Re. Patent 22,002. MIXING MACHINE.
Reg. No. 2,583. Patent 2,356,544. EXTENSIBLE RULE.
Reg. No. 2,926. Patent 2,333,178. GARMENT CLAMP.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 12, 1946

[VOL. 592. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 490,978. SYRACUSE ORNAMENTAL CO., Syracuse, N. Y. Filed Nov. 2, 1945.

SyrocoWood

Applicant disclaims the word "Wood" apart from the mark.

FOR PLASTIC UTILITY TRAYS, PLASTIC SANDWICH TRAYS, COASTERS, PLASTIC BOWLS, PLASTIC WALL POCKET FLOWER VASES AND HOLDERS, PLASTIC BOXES—NAMELY, UTILITY BOXES, CANDY BOXES, CARD BOXES, HANDKERCHIEF BOXES, NOVELTY BOXES, POWDER BOXES, GLOVE BOXES, STATIONERY BOXES, AND SEWING BOXES ALL SOLD IN TRADE EMPTY, PLASTIC JEWEL CASES AND BOXES.
Claims use since April 1931.

Ser. No. 491,057. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Nov. 5, 1945.

BEMITINT

FOR FABRIC BAGS.
Claims use since January 1940.

Ser. No. 491,058. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Nov. 5, 1945.

BEMILIN

FOR FABRIC BAGS.
Claims use since May 1940.

Ser. No. 494,543. JAMES M. A. CASSEL, doing business as Cassel Industries, Ardsley, N. Y. Filed Jan. 10, 1946.

"RAFTEX BOBBIES"

FOR COASTERS MADE OF STRANDS OF TWISTED GRASS.
Claims use since Nov. 26, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 496,570. REUBEN COMPANY, Chicago, Ill. Filed Feb. 14, 1946.

Converto-Binder

No claim is made to the word "Binder" apart from the mark.

FOR PORTFOLIOS MADE OF LEATHER OR LEATHER SUBSTITUTE.
Claims use since December 1939.

Ser. No. 496,690. CORONA ENTERPRISES, INC., New York, N. Y. Filed Feb. 16, 1946.

TIME SQUARES

FOR LADIES' HANDBAGS AND COSMETIC CASES
Claims use since Jan. 2, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 487,408. ASSOCIATED PRODUCTS, INC., Chicago Ill. Filed Aug. 22, 1945.

CHEN YU

FOR SOAPS IN SOLID, LIQUID AND FLAKE FORM.
Claims use since July 17, 1945.

Ser. No. 487,641. JAMES H. RHODES & COMPANY, Chicago, Ill. Filed Aug. 27, 1945.

EAGER BEAVER

FOR STEEL WOOL.
Claims use since Aug. 9, 1945.

Ser. No. 492,473. SAMUEL STEIN, doing business as Chemical Industries, and Stynamite Company, San Francisco, Calif. Filed Nov. 30, 1945.

STYNAMITE

The drawing is lined for the color black.
FOR LIQUID CHEMICAL CLEANING PREPARATION FOR GENERAL CLEANING USES.
Claims use since Feb. 1, 1940.

Ser. No. 493,170. PETER J. COSTIGAN, doing business as C. P. X. Products Company, Waterbury, Conn. Filed Dec. 13, 1945.

C.P.X.



The representation of the shoes is disclaimed apart from the mark.
FOR LIQUID SHAMPOO PREPARATION FOR CLEANING THE INTERIOR OF SHOES.
Claims use since Nov. 3, 1945.

Ser. No. 495,405. PARK & TILFORD, New York, N. Y. Filed Jan. 25, 1946.

PARK & TILFORD

FOR TOILET SOAPS.
Claims use since 1936.

Ser. No. 495,928. ARTHUR E. YOUNG, doing business as Voo-Doo Chemical Co., Los Angeles, Calif., assignor to Voo-Doo Chemical Sales, Inc., Long Beach, Calif., a corporation of California. Filed Feb. 2, 1946.

VOO-DOO

FOR GENERAL PURPOSE CLEANING COMPOUND.
Claims use since Aug. 20, 1945.

Ser. No. 497,090. GENERAL SOLVENTS SALES COMPANY, INC., Rochester, N. Y. Filed Feb. 23, 1946.

VAPOCLEAN

FOR LIQUID SOLVENT AND CLEANER FOR REMOVING TAR, WAX, OIL AND GREASE FROM METAL.
Claims use since Dec. 7, 1945.

Ser. No. 497,752. THE THEOBALD INDUSTRIES, Kearny, N. J. Filed Mar. 6, 1946.

ATOM

FOR GENERAL HOUSEHOLD CLEANSER FOR THE CLEANING OF FLOORS, WALLS, DISHES, CLOTHES, PAINTED SURFACES AND CLEANSER FOR GARAGE AND OTHER FLOORS.
Claims use since Feb. 12, 1946.

Ser. No. 497,753. THE THEOBALD INDUSTRIES, Kearny, N. J. Filed Mar. 6, 1946.

ATOMIK

FOR GENERAL HOUSEHOLD CLEANSER FOR THE CLEANING OF FLOORS, WALLS, DISHES, CLOTHES, PAINTED SURFACES AND CLEANSER FOR GARAGE AND OTHER FLOORS.
Claims use since Feb. 12, 1946.

Ser. No. 498,253. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Mar. 14, 1946.

ROCKET

FOR SUDSING CLEANER, CLEANSER AND DETERGENT.
Claims use since Feb. 29, 1932.

Ser. No. 505,809. THE CLIMALENE COMPANY, Canton, Ohio. Filed July 18, 1946.

SPIN

FOR CHEMICAL COMPOUNDS FOR WASHING AND CLEANING.
Claims use since July 11, 1946.

CLASS 5

ADHESIVES

Ser. No. 499,519. TITANINE INC., Union, N. J. Filed Apr. 2, 1946.

Ti-FAST

Applicant disclaims the word "Fast" apart from the combination of features of the mark.
FOR ADHESIVE IN THE NATURE OF A LIQUID CEMENT HAVING AN ORGANIC BASE.
Claims use since Mar. 14, 1946.

Ser. No. 499,520. TITANINE INC., Union, N. J. Filed Apr. 2, 1946.

Ti-GRIP

Applicant disclaims the word "Grip" apart from the combination of features of the mark.
FOR ADHESIVE IN THE NATURE OF A LIQUID CEMENT HAVING AN ORGANIC BASE.
Claims use since Mar. 14, 1946.

Ser. No. 503,801. CONSOLIDATED COSMETICS, Chicago, Ill., assignor to Veralin, Inc., Chicago, Ill., a corporation of Illinois. Filed June 13, 1946.

TABU

FOR GLUE AND PASTE.
Claims use since June 10, 1946.

Ser. No. 505,576. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed July 13, 1946.

Goodrich

FOR ADHESIVES IN SOLID AND LIQUID FORM—NAMELY, RUBBER CEMENT, VULCANIZING CEMENT, REPAIR GUM AND ADHESIVE CEMENTS EMBODYING NATURAL AND SYNTHETIC RESINS.
Claims use since 1890.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 466,135. AME COSMETIC COMPANY, New Haven, Conn. Filed Dec. 29, 1943.

NATUROL

Applicant is the owner of T. M. 344,627, registered Mar. 30, 1937.
FOR LOTION AND DRESSING FOR THE HAIR AND SCALP.
Claims use since June 1928.

Ser. No. 485,553. RICHARD HUDNUT, New York, N. Y. Filed July 3, 1945.

Yanky Clover

Applicant disclaims the word "Clover" apart from the mark.
FOR TOILET WATER, PERFUME, SACHET, COLOGNE, TALCUM POWDER, DUSTING POWDER AND BRILLIANTINE.
Claims use on toilet water since 1917, on perfume since 1902, on sachet since 1903, on cologne since 1935, on talcum powder since 1917, on dusting powder since 1930 and on brilliantine since 1932.

Ser. No. 485,792. JOSEPH S. PECKER, doing business under the name of Pecker Products, Los Angeles, Calif. Filed July 13, 1945.

JIFFY

FOR LAUNDRY STARCH.
Claims use since 1931.

Ser. No. 488,119. PARFUMERIE FRAGONARD G. FUCHS ET CIE, Paris, France. Filed Sept. 7, 1945.

PUR HASARD

FOR PERFUMES.
Claims use since 1935.

Ser. No. 488,544. ORTHO PHARMACEUTICAL CORPORATION, Linden, N. J. Filed Sept. 15, 1945.

Aci-jel

The word "Jel" is disclaimed apart from the mark.
FOR THERAPEUTIC VAGINAL JELLIES.
Claims use since Jan. 18, 1944.

Ser. No. 493,870. HORTON & CONVERSE, Los Angeles, Calif. Filed Dec. 24, 1945.

D-V-R

No claim is made to the letter "D" apart from the mark.
FOR MULTIVITAMIN PREPARATIONS.
Claims use since May 1, 1942.

Ser. No. 494,362. ROBAPHARM LABORATORIUMS A. G., Basle, Switzerland. Filed Jan. 5, 1946.

ROBUDEN

FOR PREPARATION FOR THE TREATMENT OF GASTRIC AND DUODENAL ULCERS.
Claims use since Dec. 11, 1943.

Ser. No. 494,560. IRRESISTIBLE, INC., New York, N. Y. Filed Jan. 10, 1946.

PLACE

FOR COLOGNE.
Claims use since Dec. 4, 1945.

Ser. No. 494,772. AVON PRODUCTS, INC., New York, N. Y. Filed Jan. 15, 1946.

A MAN'S WORLD

The words "A Man's" is disclaimed apart from the mark.
FOR AFTER-SHAVING LOTION, AND COLOGNES, PERFUME DEODORANT AND TALCUM POWDER FOR MEN, HAIR LOTION, AND HAIR POMADE.
Claims use since Oct. 25, 1945.

Ser. No. 496,248. THE LUBRIZOL CORPORATION, Wickliffe, Ohio. Filed Feb. 8, 1946.

LUBRIZOL

FOR CHEMICAL COMPOUNDS, MIXTURES OF CHEMICAL COMPOUNDS, AND OIL SOLUTIONS OF CHEMICAL COMPOUNDS, AND MIXTURES OF CHEMICAL COMPOUNDS USEFUL AS IMPROVING AGENTS FOR LUBRICANTS AND INTERNAL COMBUSTION ENGINE FUELS.
Claims use since Jan. 16, 1946.

Ser. No. 497,103. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Chicago, Ill. Filed Feb. 23, 1946.

Taba-Sal



The term "Sal" is disclaimed apart from the mark.
FOR PREPARATION FOR THE PREVENTION OF GRAVE MOLD AS AN AID IN BODY PRESERVATION.
Claims use since Feb. 13, 1946.

Ser. No. 497,164. OLIVER M. BYERLY, doing business as Byerly Products Company, Hollywood, Fla. Filed Feb. 25, 1946.

Oracel

FOR JELLY-LIKE COMPOUND, FOR HOLDING DENTURES IN PLACE.
Claims use since Nov. 15, 1945.

Ser. No. 497,283. VITAMINS & PHARMACEUTICALS, INC., Dover, Del. Filed Feb. 26, 1946.

DUOPAN

FOR DOUBLE SALT OF CALCIUM ASCORBATE ACETYLSALICYLATE WITH VITAMINS FOR USE AS AN ANALGESIC MEDICINAL PREPARATION.
Claims use since Jan. 3, 1946.

Ser. No. 498,035. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y. Filed Mar. 11, 1946.

THORS

FOR ANTI-FREEZE COMPOUND.
Claims use since Jan. 14, 1946.

Ser. No. 498,242. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 14, 1946.

COPPER - 8

No claim is made to the term "Copper" apart from the mark.
FOR CHEMICAL PRODUCTS FOR USE IN COMBATING INSECTS AND FUNGI.
Claims use since Feb. 11, 1946.

Ser. No. 498,307. PARKER RUST PROOF COMPANY, Detroit, Mich. Filed Mar. 15, 1946.

PARCOLENE

FOR CHEMICALS USED IN METAL TREATMENT FOR THE PURPOSE OF REMOVING EXTRANEOUS MATTER AND/OR CONDITION THE METALLIC SURFACE PRIOR TO OTHER METAL FINISHING OPERATIONS KNOWN AS BONDERIZING, PARKERIZING OR PAINTING.
Claims use since Aug. 22, 1945.

Ser. No. 498,322. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Mar. 15, 1946.

BAN-ICE

Applicant disclaims the word "Ice" apart from the mark.
FOR CHEMICAL USED TO PREVENT THE FREEZING OF MOISTURE IN STORAGE TANKS AND FUEL SYSTEMS OF HEATING UNITS AND INTERNAL COMBUSTION ENGINES.
Claims use since Dec. 16, 1943.

Ser. No. 498,494. BONNE BELL, INC., Cleveland, Ohio. Filed Mar. 19, 1946.

Casual

FOR COLOGNE.
Claims use since Feb. 25, 1946.

Ser. No. 498,517. OSCAR HAYES, doing business as Atlas Laboratories, Akron, Ohio. Filed Mar. 19, 1946.

NUFF

FOR INSECTIFUGE.
Claims use since 1929.

Ser. No. 498,627. MARY A. GRAHAM, Dafter, Mich. Filed Mar. 20, 1946.

ANGEL OF MERCY



FOR MEDICINAL PREPARATION FOR TREATING ARTHRITIS.
Claims use since Jan. 1, 1946.

Ser. No. 498,702. ELIZABETH KARIKAS, Brooklyn, N. Y., and Wendel, W. Va. Filed Mar. 21, 1946.

VIM-O

FOR MEDICINE FOR SORE THROAT AND THROAT SWELLINGS.
Claims use since Feb. 16, 1902.

Ser. No. 498,897. WILLIAM H. HOUSER, doing business as H & H Products Co., Cherryville, N. C. Filed Mar. 25, 1946.

DANDOUT

FOR ANTISEPTIC LOTION FOR REMOVAL OF LOOSE DANDRUFF AND FOR TREATMENT OF SCALP IRRITATIONS.
Claims use since Jan. 2, 1945.

Ser. No. 500,138. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 12, 1946.

VETRIBALM

FOR ANTIBACTERIAL PREPARATION.
Claims use since Mar. 22, 1946.

Ser. No. 500,402. THE MALTINE COMPANY, New York, N. Y. Filed Apr. 17, 1946.

METHAMAND

FOR URINARY ANTISEPTIC.
Claims use since Mar. 29, 1946.

Ser. No. 500,433. WALLERSTEIN COMPANY, INC., New York, N. Y. Filed Apr. 17, 1946.

SYRASE

FOR ENZYME PREPARATION FOR THE TREATMENT OF SUGAR SYRUPS.
Claims use since Mar. 7, 1946.

Ser. No. 500,461. CROOKES LABORATORIES, INC., New York, N. Y. Filed Apr. 18, 1946.

NIROBEL

FOR PREPARATION CONTAINING COLLOIDAL IRON HYDROXIDE, LIVER CONCENTRATE, AND CERTAIN COMPONENTS OF THE VITAMIN B COMPLEX.
Claims use since Mar. 28, 1946.

Ser. No. 500,539. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Apr. 19, 1946.

PERSEDON

FOR SEDATIVES AND HYPNOTICS.
Claims use since Feb. 25, 1946.

Ser. No. 500,540. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Apr. 19, 1946.

BENADON

FOR MEDICAL PREPARATION FOR USE IN THE TREATMENT OF VITAMIN B_6 OR ALLIED DEFICIENCIES AND/OR OTHER ALLIED CONDITIONS.
Claims use since Mar. 18, 1946.

Ser. No. 500,548. THE MALTINE COMPANY, New York, N. Y. Filed Apr. 19, 1946.

NITRAMAC

FOR PROTEIN HYDROLYSATE.
Claims use since Apr. 12, 1946.

Ser. No. 500,552. THE WM. S. MERRELL COMPANY, Cincinnati and Lockland Station, Cincinnati, Ohio. Filed Apr. 19, 1946.

DYPHALAN

FOR TABLET OR CAPSULE FOR THE TREATMENT OF NERVOUS DISEASES.
Claims use since Mar. 26, 1946.

Ser. No. 500,553. THE WM. S. MERRELL COMPANY, Cincinnati and Lockland Station, Cincinnati, Ohio. Filed Apr. 19, 1946.

GLIODRYN

FOR OINTMENT USED AS A LOCAL APPLICATION FOR THE RELIEF OF TEMPORARY NASAL CONGESTION.
Claims use since Mar. 26, 1946.

Ser. No. 503,102. BERNHARD KRONISH, New York, N. Y. Filed May 31, 1946.

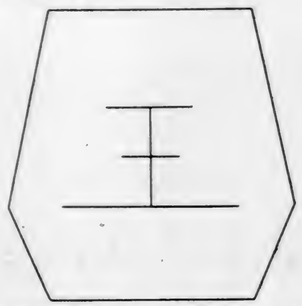
Leading Lady

FOR LIPSTICK, ROUGE, FACE POWDER, EYE-BROW PENCIL, NAIL POLISH, FACE CREAM AND HAND CREAM.
Claims use since May 1932.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 498,284. HERBERT J. HERIBERT, New York, N. Y. Filed Mar. 15, 1946.

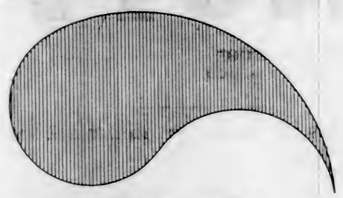


FOR PRINTING INK AND PRINTING LACQUER, PARTICULARLY FOR USE ON PLASTIC SHEETS.
Claims use since Mar. 1, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 483,171. JERRY FINN, St. Paul, Minn. Filed May 10, 1945.



The drawing is lined for the color red.
FOR ROCK WOOL INSULATION.
Claims use since Jan. 1, 1939.

Ser. No. 492,535. WITCO CHEMICAL COMPANY, Chicago, Ill. Filed Dec. 1, 1945.

REEFERSEAL

FOR ASPHALTIC COMPOUND USED IN WATERPROOFING AND SEALING INSIDE PARTS OF INDUSTRIAL AND DOMESTIC REFRIGERATORS AND REFRIGERATOR CARS, AND AS AN INSULATION OF REFRIGERATORS AND REFRIGERATOR CARS AGAINST MOISTURE, ALSO INCIDENTALLY SERVING AS A RUST PREVENTIVE.
Claims use since Aug. 13, 1945.

Ser. No. 501,809. ALSCO, INC., Akron, Ohio. Filed May 10, 1946.

ALSCO

FOR STORM WINDOWS AND STORM DOORS.
Claims use since Dec. 27, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 496,432. CRAFTMASTER PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 12, 1946.



No claim is made to the word "Product" apart from the mark.
FOR COOKING UTENSILS MADE OF A BASE METAL—NAMELY, FRYING PANS, SKILLETS, AND SAUCE PANS.
Claims use since March 1944.

Ser. No. 499,765. CHARM SLIDE FASTENER CORP., New York, N. Y. Filed Apr. 6, 1946.

CHARM

FOR SLIDE FASTENERS.
Claims use since Jan. 2, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 490,889. KENDALL REFINING COMPANY, Bradford, Pa. Filed Nov. 1, 1945.

KENDEX

FOR VISCOUS OILS AND PETROLATUM WAXES DERIVED FROM PETROLEUM FOR GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Aug. 11, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 496,451. KUM-KLEAN PRODUCTS CO., Pasadena, Calif. Filed Feb. 12, 1946.

KUM-KLEAN

No claim is made to the word "Klean" apart from the mark.
FOR FINISH CREAM FOR AUTOMOBILES AND CLEANING AND POLISHING PREPARATIONS FOR AUTOMOBILES.
Claims use since Oct. 26, 1945.

Ser. No. 496,908. THE A. S. HARRISON COMPANY, New York, N. Y. Filed Feb. 19, 1946.

PREEN

FOR CLEANING AND WAXING PREPARATIONS, FOR CLEANING AND WAXING WOOD FLOORS, LINOLEUM, FURNITURE, PANELING, WOODWORK, TILES, METALS, AND PAINTED OR LACQUERED SURFACES.
Claims use since Sept. 11, 1942.

Ser. No. 497,265. JACK NORIN, Baltimore. Md. Filed Feb. 26, 1946.

LIQUID SANDPAPER

The word "Liquid" is disclaimed apart from the mark.
FOR LIQUID CHEMICAL COMPOSITION FOR DULLING THE GLOSS ON ENAMELED, VARNISHED, OR LACQUERED SURFACES.
Claims use since Feb. 16, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 491,368. ALOIS SELMER, doing business as S & H Co., Bronx, N. Y. Filed Nov. 9, 1945.

S&H "Schmeizler" S&H
SNUFF

The word "Snuff" is disclaimed apart from the mark.
FOR SNUFF.
Claims use since Jan. 2, 1945.

Ser. No. 501,019. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England. Filed Apr. 26, 1946.

PUNCHBOWLE

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since Feb. 15, 1909.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 477,873. ELECTRONBEAM, LTD., Chicago, Ill. Filed Dec. 23, 1944.



FOR ELECTRONIC APPARATUS OF THE CATHODE RAY TUBE TYPE FOR TRANSLATING AN ELECTRICAL SIGNAL INTO A SIGNAL OF DIFFERENT CHARACTER OR MAGNITUDE AND FOR CATHODE RAY TUBES UTILIZED IN THE APPARATUS.
Claims use since Nov. 18, 1944.

Ser. No. 479,734. SORENG-MANEGOLD COMPANY, Chicago, Ill., now by change of name Soreng Manufacturing Corporation. Filed Feb. 12, 1945.



FOR SOLENOIDS (BOTH AC AND DC), ELECTRIC SWITCHES (BOTH AC AND DC) FOR AUTOMOTIVE AND HOME APPLIANCES, AUTOMATIC SWITCHES AND CIRCUIT BREAKERS, TIMING DEVICES FOR ELECTRIC SWITCHES AND CIRCUIT BREAKERS, CIRCUIT BREAKERS FOR ELECTRICAL HOUSEHOLD APPLIANCES, WIRING HARNESSES FOR ELECTRICAL HOUSEHOLD APPLIANCES, LAMP AND FUSE RECEPTACLES, ELECTRICAL TERMINALS AND TERMINAL MOUNTING BASES, ELECTRICAL JUNCTION BLOCKS SUCH AS USED WITH ELECTRICAL WIRING HARNESSES, AND ELECTRICAL RESISTORS.
Claims use since 1925.

Ser. No. 480,027. NATIONAL JEWELERS CO., New York, N. Y. Filed Feb. 20, 1945.



FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since Jan. 29, 1945.

Ser. No. 480,091. SORENG-MANEGOLD COMPANY, Chicago, Ill., now by change of name Soreng Manufacturing Corporation. Filed Feb. 21, 1945.



FOR SOLENOIDS (BOTH AC AND DC), ELECTRIC SWITCHES (BOTH AC AND DC) FOR AUTOMOTIVE AND HOME APPLIANCES, AUTOMATIC SWITCHES AND CIRCUIT BREAKERS, TIMING DEVICES FOR ELECTRIC SWITCHES AND CIRCUIT BREAKERS, CIRCUIT BREAKERS FOR ELECTRICAL HOUSEHOLD APPLIANCES, WIRING HARNESSES FOR ELECTRICAL HOUSEHOLD APPLIANCES, LAMP AND FUSE RECEPTACLES, ELECTRICAL TERMINALS AND TERMINAL MOUNTING BASES, ELECTRICAL JUNCTION BLOCKS SUCH AS USED WITH ELECTRICAL WIRING HARNESSES, AND ELECTRICAL RESISTORS.
Claims use since 1925.

Ser. No. 495,775. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Jan. 31, 1946.



FOR BATTERY CHARGING APPARATUS.
Claims use since Oct. 20, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 480,571. HARRY D. GINSBURGH, New York, N. Y. Filed Mar. 7, 1945.



The word "Standards" is disclaimed apart from the mark.
FOR FISHING TACKLE—NAMELY, SINKERS, FISHHOOK CONNECTORS, RODS, REELS, LURES, AND FISHHOOKS.
Claims use since Apr. 4, 1944.

Ser. No. 493,280. RAIN-BEAU PRODUCTS COMPANY, Canton, Mass. Filed Dec. 14, 1945.

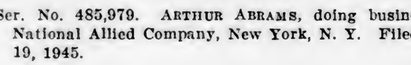


FOR FISHING LINES.
Claims use since Sept. 1, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 485,979. ARTHUR ABRAMS, doing business as National Allied Company, New York, N. Y. Filed July 19, 1945.



The word "American" is disclaimed apart from the mark.
FOR POCKET KNIVES AND RAZOR BLADES.
Claims use since June 10, 1945.

Ser. No. 487,060. VAN PRODUCTS COMPANY, Erie, Pa. Filed Aug. 11, 1945.



The word "Speed" is disclaimed apart from the mark.
FOR POWER VISES.
Claims use since June 30, 1944.

Ser. No. 489,746. NOVO ENGINE COMPANY, Lansing, Mich. Filed Oct. 10, 1945.



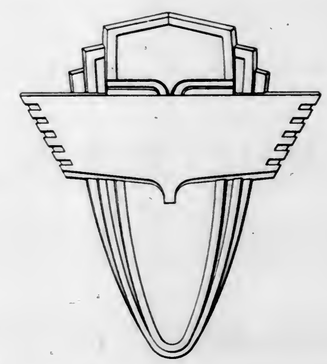
FOR INTERNAL COMBUSTION ENGINES, PUMPS—NAMELY, SELF-PRIMING CENTRIFUGAL PUMPS, ECCENTRIC OPERATED DIAPHRAGM PUMPS AND POSITIVE DISPLACEMENT RECIPROCATING PUMPS POWERED WITH GASOLINE ENGINES OR ELECTRIC MOTORS AND ALSO WITHOUT POWER UNITS, AND POWER OPERATED HOISTS.
Claims use since Apr. 1, 1908.

Ser. No. 493,009. JUDSON BROS. CO., Philadelphia, Pa. Filed Dec. 10, 1945.



FOR AGRICULTURAL FERTILIZER DISTRIBUTORS.
Claims use since June 1944.

Ser. No. 500,990. LINCOLN ENGINEERING COMPANY, St. Louis, Mo. Filed Apr. 26, 1946.



FOR PORTABLE AND STATIONARY LUBRICATING APPARATUS OF AUTOMATIC, SEMI-AUTOMATIC, AND MANUAL TYPES FOR MACHINERY AND AUTOMOTIVE EQUIPMENT, AND MACHINES FOR WASHING AIR FILTERS.
Claims use since Dec. 3, 1945.

Ser. No. 501,279. FORST BROTHERS, Chicago, Ill. Filed May 1, 1946.

Levermatic

FOR COLLET CHUCKS.
Claims use since Apr. 3, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 483,816. ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill. Filed May 26, 1945.

AUTOMAGIC

FOR CLOTHES WASHING MACHINES AND IRONING MACHINES.
Claims use since Mar. 30, 1945, on washing machines, and since May 15, 1945, on ironing machines.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 491,860. THE LUFKIN RULE CO., Saginaw, Mich. Filed Nov. 19, 1945.

"CHALLENGE"

Applicant is the owner of Reg. No. 44,813 (renewed).
FOR MEASURING TAPES.
Claims use since March 1898.

Ser. No. 498,638. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed Mar. 20, 1946.

MULTIBASE

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Mar. 1, 1946.

Ser. No. 498,942. TAYLOR, TAYLOR & HOBSON LIMITED, Leicester, England. Filed Mar. 25, 1946.

ATAL

FOR PHOTOGRAPHIC LENSES.
Claims use since September 1934.

Ser. No. 498,943. TAYLOR, TAYLOR & HOBSON LIMITED, Leicester, England. Filed Mar. 25, 1946.

DATAL

FOR PHOTOGRAPHIC LENSES.
Claims use since Sept. 11, 1934.

Ser. No. 499,027. VOGUE OPTICAL MFG. COMPANY, New York, N. Y. Filed Mar. 26, 1946.

VANITY FAIR

FOR OPTICAL FRAMES.
Claims use since Dec. 15, 1945.

Ser. No. 499,067. MARINE OPTICAL MFG. CO., Boston and Roslindale, Boston, Mass. Filed Mar. 27, 1946.

THE LOUNGER

FOR SUNGLASSES, SPECTACLES, AND LENSES THEREFOR.
Claims use since Mar. 21, 1946.

Ser. No. 499,374. BEAR MANUFACTURING CO., Rock Island, Ill. Filed Apr. 1, 1946.

BEAR

FOR ALINEMENT GAUGES; HEADLIGHT TESTERS; AND BRAKE TESTERS.
Claims use on alinement gauges since January 1924; on headlight testers since June 1936; and on Brake testers since January 1936.

Ser. No. 499,375. BEAR MANUFACTURING CO., Rock Island, Ill. Filed Apr. 1, 1946.



FOR ALINEMENT GAUGES; HEADLIGHT TESTERS; AND BRAKE TESTERS.
Claims use on alinement gauges since January 1924; on headlight testers since June 1936; and on brake testers since January 1936.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 483,692. MINTONS LIMITED, Stoke-on-Trent, England. Filed May 23, 1945.

MINTON

PORCELAIN, EARTHENWARE AND POTTERY—NAMELY, DINNER SERVICES; BREAKFAST SERVICES; TEA SERVICES; CUPS AND SAUCERS; BASINS; PLATES AND DISHES; TUREENS AND STANDS; SAUCE BOATS; EGG CUPS; MUFFIN DISHES; TEA POTS; COFFEE POTS; JUGS; TOAST RACKS; JAM AND MARMALADE POTS; COVERED BUTTER AND CHEESE DISHES; TRAYS AND WAITERS; LADLES; CRUET SETS; STRAINERS; PIE DISHES; HONEY POTS; NIGHT LIGHT STANDS; PIE FUNNELS; WASH BOWLS; BOWLS; VASES; FLOWER POTS; JARDINIERS; CLOCK BASES, AND BAROMETER BASES; MENU STANDS.
Claims use since 1847.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 492,285. SLEEPMASTER PRODUCTS COMPANY, INC., also doing business as Sleepmaster Products Company, Newark, N. J. Filed Nov. 27, 1945.

FOAMASTER

FOR MATTRESSES, BOX SPRINGS, PILLOWS, STUDIO COUCHES, SOFA BEDS, CUSHIONS FOR SEATS, BACKS, AND ARMS OF FURNITURE, GLIDING COUCH HAMMOCKS, SPONGE RUBBER AND SYNTHETIC RUBBER PRODUCTS USED AS FILLERS FOR THE FINISHED PRODUCTS AFORESAID, UPHOLSTERED ARM CHAIRS AND UPHOLSTERED SOFAS.
Claims use since June 8, 1945.

Ser. No. 502,553. BARCALO MANUFACTURING COMPANY, Buffalo, N. Y. Filed May 22, 1946.

Barcalounger

The name "Barca" is disclaimed apart from the mark.
FOR RECLINING CHAIRS.
Claims use since Nov. 25, 1945.

Ser. No. 503,759. THE SAN HYGENE UPHOLSTERY COMPANY, Akron, Ohio. Filed June 12, 1946.

AER ZIP

FOR UPHOLSTERED FURNITURE—NAMELY, DAVENPORTS, SOFAS, CHAIRS, FOOT STOOLS, AND LOUNGES.
Claims use since May 8, 1946.

Ser. No. 505,158. VLADIMIR W. HERÉ, New York, N. Y. Filed July 6, 1946.

PERMAFRAME

FOR PICTURE FRAMES.
Claims use since Apr. 11, 1946.

CLASS 33

GLASSWARE

Ser. No. 487,462. CORNING GLASS WORKS, Corning, N. Y. Filed Aug. 23, 1945.

PYREX

FOR TEAPOTS, COFFEE MAKERS, DOUBLE BOILERS, SAUCEPANS, SKILLETS, AND TEA KETTLES MADE OF GLASS AND HAVING REMOVABLE HANDLES.
Claims use since March 1931.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 499,804. ROBERT MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 6, 1946.

TORNADO

The representation of the torch is disclaimed apart from the mark.
FOR GAS TORCHES FOR SOLDERING, WELDING, AND OTHER WORK ON METAL.
Claims use since Mar. 18, 1946.

Ser. No. 502,685. BUDCO, INC., Detroit, Mich. Filed May 24, 1946.

"BUDCO"

FOR GAS BURNERS FOR SPACE AND WATER HEATERS.
Claims use since May 10, 1946.

Ser. No. 503,996. RET-RAC CORPORATION, Flushing, N. Y. Filed June 15, 1946.

UNI-HEAT

The word "Heat" is disclaimed apart from the mark.
FOR CONVERSION OIL BURNERS AND BOILER BURNER UNITS FOR DOMESTIC AND COMMERCIAL HEATING WITH OIL FUEL.
Claims use since May 31, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 480,590. LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio. Filed Mar. 7, 1945.

CHAMPION

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES, AND MACHINERY PACKING.
Claims use since June 15, 1927.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 489,848. ARTHUR L. BECKER, doing business as Bibletone, New York, N. Y. Filed Oct. 12, 1945.

Bibletone

FOR RECORDS OR RECORDINGS FOR PHONOGRAPHS IN THE FORM OF DISKS MADE OF PLASTIC MATERIAL AND HAVING A SOUND TRACK IMPRESSED THEREIN FROM MASTER RECORDS.
Claims use since March 1942.

Ser. No. 490,257. PILOT RADIO CORPORATION, New York, N. Y. Filed Oct. 20, 1945.

PILOTONE

Applicant is the owner of Regs. Nos. 202,872 (renewed), 222,972, 237,526, 278,088, and 289,776.
FOR PHONOGRAPH RECORDS OF THE MECHANICALLY GROOVED TYPE.
Claims use since Sept. 1, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 488,475. THE PARKER PEN COMPANY, Janesville, Wis. Filed Sept. 14, 1945. Under sec. 5b of the act of 1905 as amended in 1920, as to "Parker."

PARKER "51"

Applicant is the owner of Reg. No. 57,817 renewed.
FOR FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS.
Claims use since July 28, 1939.

Ser. No. 489,770. SOCINA G. M. B. H., Berne, Switzerland. Filed Oct. 10, 1945.

CENTRIC

FOR COLORED MECHANICAL PENCILS FOR WRITING AND DRAWING PURPOSES, AND LEADS THEREFOR.
Claims use since September 1945.

Ser. No. 489,771. SOCINA G. M. B. H., Berne, Switzerland. Filed Oct. 10, 1945.

Eccentric

FOR COLORED MECHANICAL PENCILS FOR WRITING AND DRAWING PURPOSES, AND LEADS THEREFOR.
Claims use since September 1945.

Ser. No. 490,544. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis. Filed Oct. 26, 1945.

MAGNILIN

FOR PAPER NAPKINS AND PAPER TRAY COVERS.
Claims use since January 1937.

Ser. No. 494,959. ERNA EISEMANN, doing business as Pygmalion, Chicago, Ill. Filed Jan. 18, 1946.

Pygmalion

FOR STATIONERY LEATHER GOODS—NAMELY, ADDRESS BOOKS, CASES CONTAINING WRITING PAPER, LEATHER MEMO PADS, PAPER MEMO PADS, AND PENCILS, AND ALBUMS FOR PHOTOS.
Claims use since August 1942.

Ser. No. 495,959. DITTO, INCORPORATED, Chicago, Ill. Filed Feb. 4, 1946.

SUPREME

FOR PAPER, COATED WITH A TRANSFER MEDIUM ON ONE SIDE, TO BE USED IN DUPLICATING PROCESSES OF THE GELATINE OR WET PROCESS TYPE.
Claims use since Jan. 8, 1946.

Ser. No. 499,257. D. C. MAY COMPANY, Durham, N. C. Filed Mar. 29, 1946.

Ma-Crepe

No claim is made to the word "Crepe" apart from the mark.
FOR PROTECTIVE COVERS COMPOSED OF PLIABLE WATER AND PAINT RESISTANT PAPER, FOR PROTECTING FLOORS, FURNITURE AND THE LIKE.
Claims use since Jan. 15, 1946.

Ser. No. 500,754. JOHN H. HARLAND COMPANY, Atlanta, Ga. Filed Apr. 23, 1946.

Harco

FOR SAFETY PAPER, BLANK CHECKS AND ENVELOPES FOR CHECKS, AND CHECK BOOK COVERS.
Claims use since Aug. 1, 1940.

Ser. No. 500,791. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Apr. 24, 1946.

ATLAS

FOR CHEMICALLY TREATED PAPER TOWELS.
Claims use since Feb. 19, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 482,407. WILLIAMSBURG PUBLISHING CO. INC., New York, N. Y. Filed Apr. 20, 1945.

A MEMORY LANE GREETING

No claim is made to the word "Greeting" apart from the mark.
FOR NON-PHOTOGRAPHIC GREETING CARDS.
Claims use since Feb. 5, 1945.

Ser. No. 485,766. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C. Filed July 13, 1945.

THE ECHO

FOR MONTHLY MAGAZINE IN THE NATURE OF A HOUSE ORGAN FOR THE PAPER INDUSTRY USED FOR RELATING INTERDEPARTMENTAL NEWS AND INFORMATION OF GENERAL INTEREST TO APPLICANT'S EMPLOYEES.
Claims use since Mar. 1, 1940.

Ser. No. 485,767. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C. Filed July 13, 1945.

THE ECHO

FOR MONTHLY MAGAZINE IN THE NATURE OF A HOUSE ORGAN FOR THE PAPER INDUSTRY USED FOR RELATING INTERDEPARTMENTAL NEWS AND INFORMATION OF GENERAL INTEREST TO APPLICANT'S EMPLOYEES.
Claims use since Dec. 1, 1942.

Ser. No. 489,144. PROGRESS RESEARCH CORPORATION, Chicago, Ill. Filed Sept. 28, 1945.

MARCH OF PROGRESS

FOR MONTHLY MAGAZINE CONTAINING ARTICLES ON HEALTH, SCIENCE, HOME, AND NUTRITION.
Claims use since Sept. 13, 1945.

Ser. No. 493,852. TREASURE MASTERS, Minneapolis, Minn., assignor to Treasure Masters Corporation, Minneapolis, Minn., a corporation of Minnesota. Filed Dec. 22, 1945.

Treasure Masters

FOR GREETING CARDS AND PRINTED GREETING FOLDERS.
Claims use since Sept. 1, 1945.

Ser. No. 494,244. UNITED FEATURES SYNDICATE, INC., New York, N. Y. Filed Jan. 3, 1946.

CURLY KAYOE

"Curley Kayoe" is the name of a fictitious character.
FOR COMIC DRAWINGS, PUBLISHED IN MAGAZINES OR PERIODICALS.
Claims use since December 1945.

Ser. No. 497,732. CHARLES E. MERRILL CO., INC., Columbus, Ohio. Filed Mar. 6, 1946.

SKILLTEXT

FOR A SERIES OF TEXT BOOKS.
Claims use since Jan. 1, 1946.

Ser. No. 499,465. ARMY AND NAVY JOURNAL, INC., Washington, D. C. Filed Apr. 2, 1946. Under 10-year proviso.

ARMY NAVY
AND
JOURNAL

FOR WEEKLY NEWSPAPER.
Claims use since Aug. 29, 1863.

Ser. No. 499,923. TANBARK AND TURF PUBLISHING CORPORATION, Burbank, Calif. Filed Apr. 9, 1946.

TANBARK and TURF

The descriptive word "Turf" is disclaimed apart from the mark.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since January 1946.

Ser. No. 500,353. BAND LEADERS PUBLISHING CO., INC., New York, N. Y. Filed Apr. 17, 1946.

RECORD-GRAM

No claim is made to the word "Record" apart from the mark.
FOR MUSIC PUBLICATION.
Claims use since Jan. 19, 1946.

Ser. No. 500,593. WINSOME PUBLISHING COMPANY, Ozone Park, Long Island, N. Y. Filed Apr. 19, 1946.

WINSOME

FOR BOOKS.
Claims use since Apr. 15, 1946.

CLASS 39

CLOTHING

Ser. No. 500,399. LORD JEFF KNITTING COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 17, 1946.

Lady Jeff

FOR SWEATERS FOR MEN, WOMEN, BOYS, AND GIRLS, MUFFLERS AND COTTON BASQUE SHIRTS.
Claims use since January 1941.

Ser. No. 500,631. RAYMOND P. SCHULTE, doing business as Morrison Garment Co., St. Paul, Minn. Filed Apr. 20, 1946.

Lamigailie

FOR WASHABLE PROFESSIONAL AND SERVICE APPAREL—NAMELY, NURSES' UNIFORMS AND CAPS; UTILITY AND SERVICE UNIFORMS, MAIDS' UNIFORMS; DOCTORS' COATS, DENTISTS' COATS; LABORATORY, UTILITY, AND OFFICE COATS; VESTS, SLEEVE VESTS; FROCKS, HOSPITAL OPERATING GOWNS, HOSPITAL PATIENTS' BED GOWNS, ORDERLIES' GOWNS, INTERNES' SHIRTS, COOKS' CAPS, WIDE HEAD BANDS; SERVICE, TEA, AND BAR APRONS, BIB APRONS, MAIDS' AND BUTLERS' APRONS; WOMEN'S MISSES', AND CHILDREN'S APPAREL—NAMELY, SMOCKS, COATS, DRESSES, PLAYSUITS, AND GYM SUITS.
Claims use since Feb. 1, 1945.

Ser. No. 501,688. PHIL SCHACHTER DRESS CORP., New York, N. Y. Filed May 8, 1946.

Lisbeth FASHIONS

The word "Fashions" is disclaimed apart from the mark.
FOR DRESSES FOR WOMEN AND YOUNG WOMEN.
Claims use since Apr. 1, 1946.

Ser. No. 501,798. WOLFF SHIRT COMPANY, New York, N. Y. Filed May 9, 1946.

Mac Moris

FOR MEN'S AND BOYS' SWEATERS AND OUTER SHIRTS.
Claims use since Mar. 11, 1946.

Ser. No. 502,465. SARFERT HOSIERY MILLS, INC., Philadelphia, Pa. Filed May 20, 1946.

Ka-Nu

FOR FOOT SOCKS.
Claims use since Oct. 20, 1942.

Ser. No. 502,549. F. W. WOOLWORTH COMPANY, New York, N. Y. Filed May 21, 1946.

PATA-CAKE

FOR HOSE FOR CHILDREN.
Claims use since Apr. 20, 1946.

Ser. No. 502,682. DAVE BELLSEY CO. INC., New York, N. Y. Filed May 24, 1946.

BELLWORTH

FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since January 1946.

Ser. No. 502,943. CAMMART KNITWEAR, INC., New York, N. Y. Filed May 29, 1946.

Cammart

FOR SWEATERS.
Claims use since July 6, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 472,827. ARTHUR SANDERSON AND SONS LTD., London, England. Filed Aug. 1, 1944.

INDECOLOR

FOR TEXTILE PIECE GOODS.
Claims use since March 1930.

Ser. No. 491,732. RIVERSIDE & DAN RIVER COTTON MILLS, INC., now by change of name to Dan River Mills, Incorporated, Danville, Va. Filed Nov. 16, 1945.

DANTONE

FOR COTTON PIECE GOODS.
Claims use since Oct. 17, 1945.

Ser. No. 499,188. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Mar. 29, 1946.

HOT SPOT

FOR PRESSING CLOTHS.
Claims use since Mar. 22, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 509,407. ELUR COMPANY, New York, N. Y. Filed Sept. 20, 1946.

ELUR

FOR SURGICAL INSTRUMENTS FOR DIAGNOSTIC, ANAESTHETIC, AND OPERATING USES; HYPODERMIC AND DENTAL NEEDLES; FORCEPS AND SURGICAL SCISSORS.
Claims use since January 1946.

Ser. No. 509,588. MINE SAFETY APPLIANCES COMPANY, Pittsburgh, Pa. Filed Sept. 23, 1946.

CHEMOX

FOR OXYGEN BREATHING APPARATUS.
Claims use since Jan. 15, 1946.

Ser. No. 509,611. SONCO, INC., Boston, Mass. Filed Sept. 23, 1946.

PTX

FOR HYPODERMIC NEEDLES.
Claims use since December 1922.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 491,236. CONCORDADE COMPANY, INC., Providence, R. I. Filed Nov. 8, 1945.

ZIPMASTER

FOR POWDERED CITRATES AND CHLORIDES IN SOLUTION FOR IMPROVING CARBONATION IN NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES.
Claims use since May 3, 1943.

Ser. No. 491,285. HENRY H. REICHMAN, doing business as Oz Laboratories, New York, N. Y. Filed Nov. 8, 1945.

OZ

FOR SOFT DRINKS TYPIFIED BY A COLA BEVERAGE.
Claims use since Apr. 15, 1945.

Ser. No. 501,173. THE DOWN-ONE CO., Beverly Hills, Calif. Filed Apr. 30, 1946.

DOWN-ONE

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND THE BASES, CONCENTRATES, SYRUPS, AND EXTRACTS FOR MAKING THE SAME.
Claims use since Mar. 22, 1946.

Ser. No. 501,472. PEOPLES BREWING COMPANY, Trenton, N. J. Filed May 4, 1946.

V-J

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK.
Claims use since Apr. 20, 1946.

Ser. No. 502,996. PAL, INC., Washington, D. C. Filed May 29, 1946.

PAL

FOR FRUIT FLAVORED NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND CONCENTRATES FOR MAKING THE SAME.
Claims use since May 1944.

Ser. No. 503,071. CARL A. FUTTER, Chicago, Ill. Filed May 31, 1946.

HELLO

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Jan. 8, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 462,633. BROWN-ROGERS-DIXSON CO., Winston-Salem, N. C. Filed Aug. 10, 1943.

DIXIE DELICIOUS

No claim is made to "Delicious" except as shown.
FOR FOOD FLAVORING EXTRACTS—NAMELY, IMITATION VANILLA EXTRACT, LEMON EXTRACT, RUM EXTRACT, CARAMEL FLAVOR, EMULSIFIED STRAWBERRY, IMITATION BUTTER FLAVOR, ORANGE EMULSION, CINNAMON EMULSION, SYNTHETIC CINNAMON, LEMON EMULSION, EMULSIFIED COCONUT, AND EMULSIFIED PINEAPPLE.
Claims use since July 20, 1943.

Ser. No. 472,794. TRINEO, SOCIEDAD DE RESPONSABILIDAD LIMITADA, CAPITAL $250,000, Buenos Aires, Argentina. Filed July 31, 1944.



Applicant is the owner of Reg. No. 406,330. The word "Trineo" is a Spanish word for "sled." The representation of the boy shown on the mark is fanciful. No claim is made to the representation of a label or wrapper or to the five vertical lines and the two horizontal intersecting lines forming the background of the mark.
FOR CANDY.
Claims use since 1926.

Ser. No. 473,739. H. L. HILDRETH CO., Boston, Mass. Filed Aug. 30, 1944.



The mark consists of a representation of a monkey.
FOR CANDY.
Claims use since October 1894.

Ser. No. 473,746. PHOEBE PHELPS CARAMEL COMPANY, Boston, Mass. Filed Aug. 30, 1944.

Priscilla

Applicant is the owner of Reg. No. 36,162 (renewed).
FOR CANDY.
Claims use since December 1900.

Ser. No. 486,311. KELLEY-CLARKE COMPANY, Seattle, Wash. Filed July 26, 1945.

BLACK TOP



Applicant is the owner of Reg. No. 248,177.
FOR CANNED FISH.
Claims use since Apr. 1, 1904.

Ser. No. 486,742. D. B. BELLI, INC., doing business as the Screem Powder Company, San Francisco, Calif. Filed Aug. 6, 1945.

SCREEM

FOR HOMOGENIZING POWDER, DRY, CONSISTING OF ANHYDROUS DEXTROSE, MAGNESIUM OXIDE, ALGIN, SODIUM CITRATE, TRI-SODIUM PHOSPHATE, ARTIFICIAL VANILLA FLAVOR, U. S. CERTIFIED COLOR, AS AN ADJUNCT IN MAKING HOME MADE ICE CREAM.
Claims use since Aug. 13, 1944.

Ser. No. 492,795. SAN DIEGO PACKING CORPORATION, San Diego Del Valle, Cuba. Filed Dec. 6, 1945.

REINADO

FOR CANNED FRUITS AND VEGETABLES, FRESH VEGETABLES, AND FRESH FRUITS—NAMELY, CITRUS FRUITS, GRAPES, WATERMELONS, AND PINEAPPLES.
Claims use since Apr. 2, 1943.

Ser. No. 493,147. RYAN PEANUT PRODUCTS COMPANY, INC., also doing business as Ryan Peanut Products Co., Brooklyn, N. Y., assignor to Mogar Coffee Company, Inc., Brooklyn, N. Y., a corporation of New York. Filed Dec. 12, 1945.

MOGAR

SATINIZED

FOR PEANUT BUTTER.
Claims use since Sept. 15, 1945

Ser. No. 496,729. EMILIA L. OLIVER, doing business as E. L. Oliver, Nogales, Ariz. Filed Feb. 16, 1946.

EL GALLO

FOR FRESH VEGETABLES—NAMELY, TOMATOES AND PEPPERS.
Claims use since Dec. 30, 1941.

Ser. No. 496,992. SIMONS & FRENCH COMPANY, INCORPORATED, Sacramento, Calif., and New York, N. Y. Filed Feb. 20, 1946.

SILVER CREST

FOR FRESH DECIDUOUS FRUITS—NAMELY, PEARS.
Claims use since August 1924.

Ser. No. 497,117. MINOT FOOD PACKERS, INC., Bridgeton, N. J. Filed Feb. 23, 1946.



Applicant is the owner of Reg. No. 259,080.
FOR CANNED CRANBERRY SAUCE.
Claims use since January 1931.

Ser. No. 498,787. THE J. C. LYSLE MILLING COMPANY, Leavenworth, Kans. Filed Mar. 22, 1946.



Applicant is the owner of Reg. No. 58,981. No claim is made to the words "Mills," "Perfect Flour," or "White," apart from the mark.
FOR WHEAT FLOUR.
Claims use since July 1, 1898.

Ser. No. 499,034. AL ZEITMAN, doing business as Zeitman Produce Company, Phoenix, Ariz. Filed Mar. 26, 1946.

Westward Ho

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 26, 1946.

Ser. No. 500,514. AMERICAN BREDDO CORP., New York, N. Y. Filed Apr. 19, 1946.

KREEM-A-PEAL

The word "Kreem" is disclaimed apart from the mark.
FOR FLAVORING EMULSION FOR BAKED GOODS, CANDIES, AND ICE CREAM.
Claims use since Mar. 22, 1946.

Ser. No. 500,787. WILLIAM W. ALLAIRE, doing business as Allaire Sales Company, Snyder, N. Y. Filed Apr. 24, 1946.

ZEST

FOR CANNED FOOD FOR CARNIVOROUS ANIMALS.
Claims use since Mar. 29, 1946.

Ser. No. 500,788. WILLIAM W. ALLAIRE, doing business as Allaire Sales Company, Snyder, N. Y. Filed Apr. 24, 1946.

DOG CAPERS

The word "Dog" is disclaimed apart from the mark.
FOR CANNED FOOD FOR CARNIVOROUS ANIMALS.
Claims use since Mar. 29, 1946.

Ser. No. 502,345. SWIFT & COMPANY, Chicago, Ill. Filed May 17, 1946.

PARD

Applicant is the owner of Reg. No. 297,973.
FOR FOOD FOR CARNIVOROUS ANIMALS.
Claims use since Apr. 25, 1932.

CLASS 47

WINES

Ser. No. 490,140. SCHENLEY IMPORT CORPORATION, New York, N. Y. Filed Oct. 18, 1945.

DEL PRADO

FOR WINES.
Claims use since July 10, 1945.

Ser. No. 500,784. JULIUS WILE, SONS & CO., INC., New York, N. Y. Filed Apr. 23, 1946.



No claim is made to the outline of the label or to the word "Chateau," apart from the mark.
FOR BORDEAUX WINES.
Claims use since Aug. 15, 1925.

Ser. No. 501,295. URBANA WINE COMPANY, INC., Urbana, Hammondsport, N. Y. Filed May 1, 1946.



The mark is shown in gold color and this is an essential feature.
FOR WINES.
Claims use since Apr. 24, 1946.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 500,247. RED TOP BREWING COMPANY, Cincinnati, Ohio. Filed Apr. 15, 1946.

BARBAROSSA

FOR MALT PRODUCTS—NAMELY, SIRUPS AND EXTRACTS FOR BEVERAGE PURPOSES, AND BEER.
Claims use since Nov. 4, 1921, on sirups and extracts, and since Sept. 15, 1936, on beer.

Ser. No. 500,248. RED TOP BREWING COMPANY, Cincinnati, Ohio. Filed Apr. 15, 1946.



FOR MALT PRODUCTS—NAMELY, SIRUPS AND EXTRACTS FOR BEVERAGE PURPOSES, AND BEER.
Claims use since Nov. 4, 1921, on sirups and extracts, and since Sept. 15, 1936, on beer.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 478,406. POPPER MORSON CO., New York, N. Y., and Jersey City, N. J., assignor to Popper Morson Corp., Jersey City, N. J., a corporation of New Jersey. Filed Jan. 8, 1945.

Northern Delight

FOR WHISKEY.
Claims use since Dec. 17, 1944.

Ser. No. 493,672. FOSTER & COMPANY, New York, N. Y. Filed Dec. 21, 1945.

295

The lining on the ribbon scroll is for the color red, while the lining on the numerals is for shading only.
FOR WHISKEY.
Claims use since June 19, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 492,883. ADVERTISERS MART, INC., New York, N. Y. Filed Dec. 8, 1945.



The trade-mark consists of the representation of a walking figure of a man carrying a pencil on his shoulder, and having the letter "A" comprise his body and arm members, and the letter "M" his feet which connects to an open circle encasing the letters.
FOR MATRICES, SOLD IN SINGLES AND IN SETS.
Claims use since Oct. 3, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 12, 1946

426,227. APPLE JELLY MADE FROM APPLE CIDER, SUGAR SYRUP, PECTIN, AND FRUIT ACID. MAX AMS, INC., New York, N. Y.
Filed January 7, 1944. Serial No. 466,372. PUBLISHED AUGUST 20, 1946. Class 46.

425,228. FRESH VEGETABLES—NAMELY, TOMATOES. GUY MOORE, doing business as Guy Moore and Associates, Harlingen, Tex.
Filed June 5, 1944. Serial No. 470,924. PUBLISHED FEBRUARY 20, 1945. Class 46.

425,229. EMERY TAPES AND EMERY FILLETS. DRONSFIELD BROTHERS LIMITED, doing business as Atlas Works, Oldham, England.
Filed September 20, 1944. Serial No. 474,399. PUBLISHED AUGUST 27, 1946. Class 4.

425,230. UNWROUGHT AND PARTLY WROUGHT BASE METALS AND THEIR ALLOYS—NAMELY, MILD STEEL, PLAIN CARBON TYPE, MOLYBDENUM STEEL, NICKEL CHROME STEEL, LOW CARBON CAST IRON, AND GREY CAST IRON. FOLLSAIN METALS LTD., Lutterworth, near Rugby, England.
Filed December 15, 1944. Serial No. 477,603. PUBLISHED AUGUST 13, 1946. Class 14.

425,231. PEN DESK SETS AND MEMORANDUM PAD HOLDERS. THE SEROLITE COMPANY, New York, N. Y.
Filed January 16, 1945. Serial No. 478,691. PUBLISHED AUGUST 20, 1946. Class 37.

425,232. CULINARY UTENSILS MADE OF BASE METALS—NAMELY, COOKING POTS AND PANS, KETTLES, ROASTERS, ETC. OAKES & COMPANY, doing business as Tru-Test, Chicago, Ill.
Filed March 7, 1945. Serial No. 480,609. PUBLISHED AUGUST 27, 1946. Class 13.

425,233. FABRICS AND PIECE GOODS MADE OF SILK, COTTON, RAYON, WOOL, LINEN, AND MIXTURES THEREOF. FREEDMAN-ROEDELHEIM COMPANY, Philadelphia, Pa.
Filed March 15, 1945. Serial No. 480,950. PUBLISHED AUGUST 27, 1946. Class 42.

425,234. SHAVING CREAM. MACGREGOR MEN'S TOILETRIES, INC., New York, N. Y.
Filed March 29, 1945. Serial No. 481,485. PUBLISHED AUGUST 27, 1946. Class 4.

425,235. SOAP AND MECHANICS' CLEANSER. STANLEY R. BOCCHINO, doing business as Davis Soap Company, San Francisco, Calif.
Filed April 16, 1945. Serial No. 482,194. PUBLISHED AUGUST 13, 1946. Class 4.

425,236. PAINTS AND PARTICULARLY ANTI-FOULING PAINTS, ASPHALTIC AND BITUMINOUS PAINTS, ETC. H. H. ROBERTSON COMPANY, Pittsburgh, Pa.
Filed May 9, 1945. Serial No. 483,148. PUBLISHED AUGUST 6, 1946. Class 16.

425,237. DILL PICKLES, BLACK PEPPER, FRENCH DRESSING, MAYONNAISE, SALAD DRESSING, THOUSAND ISLAND DRESSING, ETC. GRAY AND GRAY, Venice, Calif.
Filed May 28, 1945. Serial No. 483,854. PUBLISHED AUGUST 27, 1946. Class 46.

425,238. CONFECTIONS—NAMELY, PEPPERMINT AND ANISE LOZENGES, CARAMELS, AND BON BONS. FORCHERIO HERMANOS, Buenos Aires, Argentina.
Filed June 15, 1945. Serial No. 484,564. PUBLISHED AUGUST 20, 1946. Class 46.

425,239. LINSEED OIL. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y.
Filed July 3, 1945. Serial No. 485,412. PUBLISHED AUGUST 20, 1946. Class 16.

425,240 CANNED FRUIT JUICES. J. S. BROWN, JR., doing business as Distributors Company, New Iberia, La.
Filed July 10, 1945. Serial No. 485,625. PUBLISHED AUGUST 20, 1946. Class 46.

425,241. POLISHING AND CLEANING PREPARATIONS FOR FURNITURE, PIANOS, AND THE LIKE, PAINT AND VARNISH REMOVER, SCRATCH REMOVER, AND VARNISH. THE NATIONAL POLISH COMPANY, Van Wert, Ohio.
Filed July 16, 1945. Serial No. 485,881. PUBLISHED AUGUST 13, 1946. Class 16.

425,242. FERTILIZERS. GROWERS SERVICE AND SUPPLY COMPANY, Yakima, Wash.
Filed August 2, 1945. Serial No. 486,617. PUBLISHED AUGUST 20, 1946. Class 10.

425,243. READY-MIXED PAINT. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed August 6, 1945. Serial No. 486,767. PUBLISHED AUGUST 13, 1946. Class 16.

425,244. WINDOW CURTAINS. NORMAN TOPLISS, New York, N. Y.
Filed August 6, 1945, Serial No. 486,827. PUBLISHED AUGUST 27, 1946. Class 42.

425,245. SHOWER CAPS, BATHING CAPS, RAIN COATS, RAIN CAPES, SHAMPOO CAPES, HOUSEHOLD APRONS, CHILDREN'S BIBS, AND BABY PANTS. STANLEY V. BOLAND, doing business as Boland Manufacturing Company, Chicago, Ill.
Filed August 20, 1945. Serial No. 487,306. PUBLISHED AUGUST 27, 1946. Class 39.

425,246. SELF-POLISHING WAXES, FLOOR, FURNITURE AND AUTOMOBILE POLISHING WAXES, AND FURNITURE POLISHES. CHEMICAL MANUFACTURING & DISTRIBUTING COMPANY, Easton, Pa.
Filed August 21, 1945. Serial No. 487,354. PUBLISHED AUGUST 6, 1946. Class 16.

425,247. COATING MATERIALS—NAMELY, READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, AND PLASTIC PAINTS. BETTER FINISHES AND COATINGS, INC., Newark, N. J.
Filed August 23, 1945. Serial No. 487,456. PUBLISHED AUGUST 27, 1946. Class 16.

425,248. DETERGENT PREPARATIONS FOR USE IN BATHING. STEPHEN E. RILEY, doing business as Stephen Riley Co., Los Angeles, Calif.
Filed August 24, 1945. Serial No. 487,526. PUBLISHED AUGUST 6, 1946. Class 4.

425,249. MONOFILAMENTS MADE FROM POLYMERIC VINYLIDENE CHLORIDE AND COPOLYMERS THEREOF DESIGNED FOR A VARIETY OF NON-ASSOCIATED USES. THE VISKING CORPORATION, Chicago, Ill.
Filed August 24, 1945. Serial No. 487,534. PUBLISHED AUGUST 20, 1946. Class 1.

425,250. DRY CLEANING PREPARATION. LA FRANCE DRY CLEANERS, Youngstown, Ohio, assignor to La France Dry Cleaners, Incorporated, Youngstown, Ohio, a corporation of Ohio.
Filed August 28, 1945. Serial No. 487,681. PUBLISHED AUGUST 13, 1946. Class 4.

425,251. ELECTRONIC-MECHANICAL INSTRUMENT AND PARTS OF SUCH INSTRUMENT FOR THE INTEGRATION OF PRESELECTED QUANTITIES OF LIGHT AND RADIANT ENERGY AND FOR THE AUTOMATIC CONTROL OF TIME IN THE EXPOSURE TO EFFECT THE SELECTED QUANTITY CUMULATIVELY. ELECTRONIC MECHANICAL PRODUCTS CO., Atlantic City, N. J.
Filed August 31, 1945. Serial No. 487,829. PUBLISHED AUGUST 27, 1946. Class 26.

425,252. CIGARS. CONSOLIDATED CIGAR CORPORATION, New York, N. Y.
Filed September 5, 1945. Serial No. 487,994. PUBLISHED AUGUST 20, 1946. Class 17.

425,253. CANDIES—NAMELY, CHOCOLATE NOUGATINES, OLD FASHION CHOCOLATES, CHOCOLATE CARAMELS, PEANUT BUTTER CUPS, ETC. H. E. SHAW COMPANY, Worcester, Mass.
Filed September 6, 1945. Serial No. 488,056. PUBLISHED AUGUST 20, 1946. Class 46.

425,254. CANNED CITRUS JUICES AND TOMATO JUICE. WINTER GARDEN CITRUS PRODUCTS COOPERATIVE, Winter Garden, Fla.
Filed September 7, 1945. Serial No. 488,136. PUBLISHED AUGUST 27, 1946. Class 46.

425,255. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed September 21, 1945. Serial No. 488,817. PUBLISHED AUGUST 27, 1946. Class 37.

425,256. A PREPARATION TO PREVENT FOG OR MIST UPON GLASS SURFACES. WORTHINGTON PRODUCTS CO., INC., Arlington, Va.
Filed September 26, 1945. Serial No. 489,029. PUBLISHED AUGUST 6, 1946. Class 4.

425,257. FROZEN FRESH VEGETABLES; FROZEN FRESH FRUITS—NAMELY, PEACHES, APRICOTS, CHERRIES, APPLES, PINEAPPLE, ETC. BOOTH FISHERIES CORPORATION, Chicago, Ill.
Filed September 28, 1945. Serial No. 489,098. PUBLISHED AUGUST 27, 1946. Class 46.

425,258. CANNED VEGETABLES. GIBBS & COMPANY, INCORPORATED, Baltimore, Md.
Filed October 9, 1945. Serial No. 489,664. PUBLISHED AUGUST 27, 1946. Class 46.

425,259. WAX FOR LINOLEUM, WOOD FLOORS, RUBBER TILE, ASPHALT TILE, COMPOSITION, CEMENT, TERRAZO, MARBLE, VARNISHED, SHELLACKED, AND PAINTED FLOORS, AND KINDRED USES. SPIEGEL, INC., Chicago, Ill.
Filed October 24, 1945. Serial No. 490,465. PUBLISHED AUGUST 20, 1946. Class 16.

425,260. TEA. MCCORMICK & CO., INCORPORATED, Baltimore, Md.
Filed October 31, 1945. Serial No. 490,843. PUBLISHED AUGUST 27, 1946. Class 46.

425,261. SOAPS. MEM COMPANY, New York, N. Y.
Filed November 13, 1945. Serial No. 491,039. PUBLISHED AUGUST 20, 1946. Class 4.

425,262. WAX FOR FLOORS, FURNITURE, AND AUTOMOBILES. MAC'S SUPER GLOSS CO., Los Angeles, Calif.
Filed November 5, 1945. Serial No. 491,103. PUBLISHED AUGUST 6, 1946. Class 16.

425,263. EDIBLE PRODUCT CONSISTING OF AN ENZYMIC DIGEST OF PROTEIN USEFUL IN PREPARING SPECIAL DIETS. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed November 10, 1945. Serial No. 491,422. PUBLISHED APRIL 23, 1946. Class 46.

425,264. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,610. PUBLISHED AUGUST 20, 1946. Class 8.

425,265. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,613. PUBLISHED AUGUST 20, 1946. Class 8.

425,266. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,614. PUBLISHED AUGUST 20, 1946. Class 8.

425,267. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,615. PUBLISHED AUGUST 20, 1946. Class 8.

425,268. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,616. PUBLISHED AUGUST 20, 1946. Class 8.

425,269. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,617. PUBLISHED AUGUST 20, 1946. Class 8.

425,270. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,618. PUBLISHED AUGUST 20, 1946. Class 8.

425,271. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,619. PUBLISHED AUGUST 20, 1946. Class 8.

425,272. WAXED PAPER, AND DOCTOR ROLLS, THE LATTER GOODS BEING MADE OF NON-MEDICATED PAPER IN ROLL FORM. MARCALUS MANUFACTURING CO., INC., East Paterson, N. J.
Filed November 15, 1945. Serial No. 491,662. PUBLISHED AUGUST 27, 1946. Class 37.

425,273. LADIES' UNDERWEAR. HY PERLMAN & CO., New York, N. Y.
Filed November 19, 1945. Serial No. 491,883. PUBLISHED AUGUST 20, 1946. Class 39.

425,274. MEN'S, WOMEN'S, BOYS', CHILDREN'S, AND INFANTS' UNDERWEAR—NAMELY, SHIRTS, DRAWERS AND UNION SUITS, ETC. UTICA KNITTING COMPANY, Utica, N. Y.
Filed November 19, 1945. Serial No. 491,901. PUBLISHED AUGUST 20, 1946. Class 39.

425,275. VARIOUS METALS—NAMELY, INDIUM, LEAD AND ZINC AND ALLOYS THEREOF. CERRO DE PASCO COPPER CORPORATION, New York, N. Y.
Filed November 23, 1945. Serial No. 492,033. PUBLISHED AUGUST 13, 1946. Class 14.

425,276. CIGARETTE PAPERS CUT TO SIZE. MUKAMAL COMPANY, New York, N. Y.
Filed November 23, 1945. Serial No. 492,076. PUBLISHED AUGUST 20, 1946. Class 8.

425,277. PAINT IN DRY, PASTE, AND READY-MIXED FORM. STEPHEN B. KING & SON CO., Milwaukee, Wis.
Filed November 28, 1945. Serial No. 492,323. PUBLISHED AUGUST 20, 1946. Class 16.

425,278. INK. REYNOLDS INTERNATIONAL PEN COMPANY, Chicago, Ill.
Filed November 29, 1945. Serial No. 492,397. PUBLISHED AUGUST 6, 1946. Class 11.

425,279. EXFOLIATED VERMICULITE FOR SOIL CONDITIONING AND PLANT GERMINATION. UNIVERSAL ZONOLITE INSULATION CO., Chicago, Ill.
Filed December 6, 1945. Serial No. 492,805. PUBLISHED AUGUST 6, 1946. Class 10.

425,280. DETERGENT IN POWDERED FORM. MULTIFAX ENTERPRISES, LIMITED, Toronto, Ontario, Canada.
Filed December 8, 1945. Serial No. 492,942. PUBLISHED AUGUST 20, 1946. Class 4.

425,281. CAST ALUMINUM COOKWARE—NAMELY, KETTLES, TEAKETTLES, PRESERVING KETTLES, COFFEE POTS, ROASTERS, ETC. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill.
Filed December 10, 1945. Serial No. 492,981. PUBLISHED AUGUST 27, 1946. Class 13.

425,282. SMOKING PIPES, FILTERS FOR SMOKING PIPES, CLEANERS FOR SMOKING PIPES, SMOKING PIPE PACKERS, TOBACCO HUMIDORS, PIPE RACKS, CIGAR AND CIGARETTE HOLDERS, CIGAR CUTTERS, AND CIGARETTE PAPER CUT TO SIZE. PIEZO MANUFACTURING CORPORATION, New York, N. Y.
Filed December 13, 1945. Serial No. 493,211. PUBLISHED AUGUST 27, 1946. Class 8.

425,283. STEEL CASTINGS. EMPIRE STEEL CASTINGS, INC., Reading, Pa.
Filed December 17, 1945. Serial No. 493,437. PUBLISHED AUGUST 13, 1946. Class 14.

425,284. GAME UTILIZING A PLAY BOARD, SPINNER, TOKENS, AND COUNTERS. TRI-ART CO., Providence, R. I.
Filed December 22, 1945. Serial No. 493,858. PUBLISHED AUGUST 27, 1946. Class 22.

425,285. CLEANER FOR METAL. THE JOHNSON-MARCH CORPORATION, New York, N. Y.
Filed December 29, 1945. Serial No. 494,075. PUBLISHED AUGUST 20, 1946. Class 4.

425,286. FLOOR WAX. SELBY, BATTERSBY & CO., Philadelphia, Pa.
Filed December 29, 1945. Serial No. 494,131. PUBLISHED AUGUST 20, 1946. Class 16.

425,287. SMOKERS' PIPES. FLOYD SNYDER, Cincinnati, Ohio, assignor to Floyd Snyder Pipes Inc., Milford, Ohio, a corporation of Ohio.
Filed January 5, 1946. Serial No. 494,370. PUBLISHED AUGUST 20, 1946. Class 8.

425,288. MEDICO-SURGICAL CAMERAS, PARTS THEREOF, AND ACCESSORIES THEREFOR. ADEL PRECISION PRODUCTS CORP., Burbank, Calif.
Filed January 8, 1946. Serial No. 494,418. PUBLISHED JULY 23, 1946. Class 26.

425,289. FOUNTAIN PENS. DISTRIBUTORS RESEARCH CORPORATION, New York, N. Y.
Filed January 8, 1946. Serial No. 494,429. PUBLISHED AUGUST 27, 1946. Class 37.

425,290. POWER TRANSMISSION BELTS AND GARDEN HOSE. THE GATES RUBBER COMPANY, Denver, Colo.
Filed January 8, 1946. Serial No. 494,439. PUBLISHED AUGUST 27, 1946. Class 35.

425,291. ARTIFICIAL FISH BAIT. FRED ARBOGAST, Akron, Ohio.
Filed January 9, 1946. Serial No. 494,479. PUBLISHED AUGUST 27, 1946. Class 22.

425,292. STEEL USED FOR DIE BLOCKS, SOW BLOCKS AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES. A. FINKL & SONS COMPANY, Chicago, Ill.
Filed January 9, 1946. Serial No. 494,487. PUBLISHED AUGUST 13, 1946. Class 14.

425,293. STEEL USED FOR HARDENED AND TEMPERED DIE BLOCKS, SOW BLOCKS AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES. A. FINKL & SONS COMPANY, Chicago, Ill.
Filed January 9, 1946. Serial No. 494,488. PUBLISHED AUGUST 13, 1946. Class 14.

425,294. STEEL USED FOR PISTON RODS, CRANKSHAFTS, RAMS AND FORGED PARTS FOR DROP HAMMERS AND OTHER FORGING MACHINES. A. FINKL & SONS COMPANY, Chicago, Ill.
Filed January 9, 1946. Serial No. 494,489. PUBLISHED AUGUST 13, 1946. Class 14.

425,295. LADIES' GIRDLES, AND PANTIE GIRDLES. FREEMAN MANUFACTURING COMPANY, Sturgis, Mich.
Filed January 9, 1946. Serial No. 494,497. PUBLISHED AUGUST 20, 1946. Class 39.

425,296. HANDKERCHIEFS. CHRISTIAN H. FISCHBACHER, doing business as Fisba Handkerchiefs, New York, N. Y.
Filed January 11, 1946. Serial No. 494,599. PUBLISHED AUGUST 20, 1946. Class 39.

425,297. SHOE POLISH. BEAU BRUMMEL POLISH CORP., Brooklyn, N. Y.
Filed January 12, 1946. Serial No. 494,649. PUBLISHED AUGUST 13, 1946. Class 4.

425,298. CORNSEED. MICHAEL-LEONARD CO., Sioux City, Iowa.
Filed January 14, 1946. Serial No. 494,757. PUBLISHED AUGUST 20, 1946. Class 1.

425,299. READY-MIXED PAINT. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo.
Filed January 16, 1946. Serial No. 494,843. PUBLISHED AUGUST 6, 1946. Class 16.

425,300. MOISTUREPROOFED SHEET MATERIAL FOR PACKAGING PURPOSES. STANDARD CAP AND SEAL CORPORATION, Brooklyn, N. Y.
Filed January 17, 1946. Serial No. 494,944. PUBLISHED AUGUST 27, 1946. Class 37.

425,301. BRASSIÈRES AND BANDEAUX. EVEN-PUL FOUNDATIONS, INC., New York, N. Y.
Filed January 18, 1946. Serial No. 494,963. PUBLISHED AUGUST 20, 1946. Class 39.

425,302. BRASSIÈRES AND BANDEAUX. EVEN-PUL FOUNDATIONS, INC., New York, N. Y.
Filed January 18, 1946. Serial No. 494,964. PUBLISHED AUGUST 20, 1946. Class 39.

425,303. GAME CONSISTING OF TWELVE BOWLS PLAYED WITH MARBLES. ROBERT W. HEMSCH, doing business as Africa Game Company, New York, N. Y.
Filed January 18, 1946. Serial No. 494,970. PUBLISHED AUGUST 27, 1946. Class 22.

425,304. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,038. PUBLISHED AUGUST 6, 1946. Class 4.

425,305. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,042. PUBLISHED AUGUST 6, 1946. Class 4.

425,306. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,044. PUBLISHED AUGUST 6, 1946. Class 4.

425,307. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,049. PUBLISHED AUGUST 6, 1946. Class 4.

425,308. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,055. PUBLISHED AUGUST 6, 1946. Class 4.

425,309. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,057. PUBLISHED AUGUST 13, 1946. Class 4.

425,310. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,059. PUBLISHED AUGUST 6, 1946. Class 4.

425,311. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,066. PUBLISHED AUGUST 13, 1946. Class 4.

425,312. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,069. PUBLISHED AUGUST 13, 1946. Class 4.

425,313. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,076. PUBLISHED AUGUST 13, 1946. Class 4.

425,314. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,078. PUBLISHED AUGUST 13, 1946. Class 4.

425,315. PLASTIC WALL COVERINGS IN THE NATURE OF PAINT. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed January 19, 1946. Serial No. 495,113. PUBLISHED AUGUST 13, 1946. Class 16.

425,316. GASOLINE SELF-MEASURING PUMPS. WILLIAM M. WILSON'S SONS, INC., Lansdale, Pa.
Filed January 19, 1946. Serial No. 495,119. PUBLISHED AUGUST 20, 1946. Class 26.

425,317. GASOLINE SELF-MEASURING PUMPS. WILLIAM M. WILSON'S SONS, INC., Lansdale, Pa.
Filed January 19, 1946. Serial No. 495,120. PUBLISHED AUGUST 20, 1946. Class 26.

425,318. WASHING POWDERS. CHARLES BIRD KEACH, doing business as Kemo Textile Products Co., Providence, R. I.
Filed January 21, 1946. Serial No. 495,127. PUBLISHED AUGUST 13, 1946. Class 4.

425,319. FACE SOAPS, BATH SOAPS, AND SHAVING CREAMS. GOLDEN ARROW TOILETRIES, New York, N. Y.
Filed January 22, 1946. Serial No. 495,169. PUBLISHED AUGUST 13, 1946. Class 4.

425,320. FACE SOAPS, BATH SOAPS, AND SHAVING CREAMS. GOLDEN ARROW TOILETRIES, New York, N. Y.
Filed January 24, 1946. Serial No. 495,287. PUBLISHED AUGUST 13, 1946. Class 4.

425,321. AUTOMOTIVE AND THE LIKE SHAMPOO MATERIAL. J. I. HOLCOMB MFG. CO., Indianapolis, Ind.
Filed January 24, 1946. Serial No. 495,295. PUBLISHED AUGUST 13, 1946. Class 4.

425,322. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 24, 1946. Serial No. 495,300. PUBLISHED AUGUST 13, 1946. Class 4.

425,323. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 24, 1946. Serial No. 495,303. PUBLISHED AUGUST 13, 1946. Class 4.

425,324. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 24, 1946. Serial No. 495,309. PUBLISHED AUGUST 13, 1946. Class 4.

425,325. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 24, 1946. Serial No. 495,312. PUBLISHED AUGUST 13, 1946. Class 4.

425,326. FACE SOAPS, BATH SOAPS, AND SHAVING CREAMS. GOLDEN ARROW TOILETRIES, New York, N. Y.
Filed January 25, 1946. Serial No. 495,375. PUBLISHED AUGUST 13, 1946. Class 4.

425,327. FACE SOAPS, BATH SOAPS, AND SHAVING CREAMS. GOLDEN ARROW TOILETRIES, New York, N. Y.
Filed January 25, 1946. Serial No. 495,376. PUBLISHED AUGUST 13, 1946. Class 4.

425,328. CIGARS, CIGARETTES, AND SMOKING TOBACCO. H. E. SHAW COMPANY, Worcester, Mass.
Filed January 16, 1946. Serial No. 495,427. PUBLISHED AUGUST 20, 1946. Class 17.

425,329. PYROPHORIC CIGAR AND CIGARETTE LIGHTERS. AMERICAN METAL PRODUCTS COMPANY, Bridgeport, Conn.
Filed January 26, 1946. Serial No. 495,433. PUBLISHED AUGUST 27, 1946. Class 34.

425,330. FACE SOAPS, BATH SOAPS, AND SHAVING CREAMS. GOLDEN ARROW TOILETRIES, New York, N. Y.
Filed January 26, 1946. Serial No. 495,468. PUBLISHED AUGUST 13, 1946. Class 4.

425,331. GRANULATED SOAP AND WASHING AND CLEANING COMPOUND. BLUE RIBBON PRODUCTS COMPANY, San Francisco, Calif.
Filed January 28, 1946. Serial No. 495,534. PUBLISHED AUGUST 20, 1946. Class 4.

425,332. COVER PAPER. GEO. A. WHITING PAPER COMPANY, Menasha, Wis.
Filed January 29, 1946. Serial No. 495,643. PUBLISHED AUGUST 27, 1946. Class 37.

425,333. WOODEN LEAD PENCILS, MECHANICAL LEAD PENCILS, AND FOUNTAIN PENS. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J.
Filed January 30, 1946. Serial No. 495,647. PUBLISHED AUGUST 27, 1946. Class 37.

425,334. ROLLER SKATES. HIAWATHA METAL PRODUCTS, INC., Manistique, Mich.
Filed January 30, 1946. Serial No. 495,672. PUBLISHED AUGUST 27, 1946. Class 22.

425,335. LOOSE LEAF BINDERS. WILSON JONES COMPANY, Chicago, Ill.
Filed January 30, 1946. Serial No. 495,713. PUBLISHED AUGUST 27, 1946. Class 37.

425,336. WOMEN'S AND CHILDREN'S PANTIES, VESTS, BLOOMERS, SLIPS, NIGHTGOWNS, PAJAMAS, HOUSECOATS, AND BRASSIÈRES. RUSSELL-NEWMAN MANUFACTURING COMPANY, Denton, Tex.
Filed January 31, 1946. Serial No. 495,763. PUBLISHED AUGUST 20, 1946. Class 39.

425,337. COFFEE ESSENCE AND COFFEE AND CHICORY ESSENCE FOR FOOD PURPOSES. J. LYONS & COMPANY LIMITED, London, England.
Filed February 2, 1946. Serial No. 495,898. PUBLISHED AUGUST 27, 1946. Class 46.

425,338. PIECE GOODS OF COTTON, RAYON, WOOL, OR MIXTURES THEREOF. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name Dan River Mills, Incorporated.
Filed February 2, 1946. Serial No. 495,906. PUBLISHED AUGUST 27, 1946. Class 42.

425,339. HECTOGRAPH CARBON PAPER. DITTO, INCORPORATED, Chicago, Ill.
Filed February 4, 1946. Serial No. 495,958. PUBLISHED AUGUST 27, 1946. Class 11.

425,340. TOBACCO POUCHES. ERASMUS ATLASS CO., New York, N. Y.
Filed February 9, 1946. Serial No. 496,305. PUBLISHED AUGUST 27, 1946. Class 8.

425,341. CALF FEED. KASCO MILLS, INC., Toledo, Ohio
Filed February 26, 1946. Serial No. 497,247. PUBLISHED AUGUST 27, 1946. Class 46.

425,342. CONCENTRATED HOG FEED CONTAINING ADDED VITAMINS. VALLEY DEHYDRATING CO., Kingsburg, Calif.
Filed February 27, 1946. Serial No. 497,354. PUBLISHED AUGUST 20, 1946. Class 46.

425,343. PARAGUAYAN TEA (ILEX PARAGUAYENSIS). CARROLL M. BERNDT, doing business as C. M. Berndt Company, Baltimore, Md.
Filed March 8, 1946. Serial No. 497,839. PUBLISHED AUGUST 27, 1946. Class 46.

425,344. CORE OILS AND CORE BINDERS. SWANFINCH OIL CORPORATION, New York, N. Y.
Filed March 12, 1946. Serial No. 498,093. PUBLISHED AUGUST 27, 1946. Class 5.

425,345. FRESH CITRUS FRUITS. ROPER BROS. INC., Winter Garden, Fla.
Filed March 22, 1946. Serial No. 498,798. PUBLISHED AUGUST 27, 1946. Class 46.

425,346. CANNED TOMATOES AND CANNED TOMATO JUICE FOR FOOD PURPOSES. CARL A. ROETTELE, doing business as Elsa Canning Company, Elsa, Tex.
Filed March 26, 1946. Serial No. 499,013. PUBLISHED AUGUST 20, 1946. Class 46.

425,347. CANNED TOMATOES, CANNED TOMATO PUREE, CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES, AND CANNED GRAPEFRUIT SEGMENTS. CARL A. ROETTELE, doing business as Elsa Canning Company, Elsa, Tex.
Filed March 26, 1946. Serial No. 499,014. PUBLISHED AUGUST 20, 1946. Class 46.

425,348. WALL SIZE. THE KEEVER STARCH COMPANY, Columbus, Ohio.
Filed April 1, 1946. Serial No. 499,415. PUBLISHED AUGUST 27, 1946. Class 5.

425,349. SMOKED FISH. SAMUEL L. BLUMERT, doing business as Blumert Packing Company, Chicago, Ill.
Filed April 26, 1946. Serial No. 500,940. PUBLISHED AUGUST 20, 1946. Class 46.

425,350. CEREAL FOODS—NAMELY, WHEAT FLAKES. THE BEST FOODS, INC., New York, N. Y.
Filed May 2, 1946. Serial No. 501,305. PUBLISHED AUGUST 27, 1946. Class 46.

425,351. NURSING BOTTLE HOLDERS FOR BABY CRIBS. NU-PRODUCTS, INC., Kansas City, Mo.
Filed May 3, 1946. Serial No. 501,402. PUBLISHED AUGUST 27, 1946. Class 44.

425,352. STEP-ON GARBAGE CANS. W. & A. MANUFACTURING CO., Atlanta, Ga.
Filed May 6, 1946. Serial No. 501,547. PUBLISHED AUGUST 27, 1946. Class 2.

425,353. SANITARY NAPKINS. LEADWAY STORES CORPORATION, Chicago, Ill.
Filed May 13, 1946. Serial No. 501,992. PUBLISHED AUGUST 27, 1946. Class 44.

425,354. VENETIAN BLINDS. FRANK R. HENDRICKS, Puyallup, Wash.
Filed May 17, 1946. Serial No. 502,293. PUBLISHED AUGUST 27, 1946. Class 32.

425,355. COIN CONTROLLED AMUSEMENT APPARATUS. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed May 18, 1946. Serial No. 502,370. PUBLISHED AUGUST 27, 1946. Class 22.

425,356. X-RAY APPARATUS USED BY PHYSICIANS AND SURGEONS FOR DIAGNOSTIC PURPOSES AND FOR X-RAY ACCESSORIES USED IN CONNECTION THEREWITH. WESTINGHOUSE ELECTRIC CORPORATION, Baltimore, Md.
Filed May 23, 1946. Serial No. 502,674. PUBLISHED AUGUST 27, 1946. Class 44.

425,357. GAME CONSISTING OF A PUNCH BOARD. ANTHONY J. LIGOURI, Des Moines, Iowa.
Filed May 24, 1946. Serial No. 502,703. PUBLISHED AUGUST 27, 1946. Class 22.

425,358. PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed May 24, 1946. Serial No. 502,727. PUBLISHED AUGUST 27, 1946. Class 2.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

425,359. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PIERCE LABORATORIES, INC., Raritan, N. J., assignor to Pierce Laboratory, Inc., Summit, N. J., a corporation of New York. Filed Jan. 28, 1942. Serial No. 450,546.

Pierceway

FOR WIRING SECTIONS AND APPURTENANT PARTS THEREOF FOR ELECTRIC WIRING PURPOSES.

Claims use since Oct. 1, 1941

425,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERSTATE BAKERIES CORPORATION, Kansas City, Mo., Chicago, Springfield, and Peoria, Ill., Cincinnati, Ohio, Omaha, Nebr., Grand Rapids, Mich., and Des Moines, Iowa. Filed June 28, 1943. Serial No. 461,717.

Butter-Nut Sweets

FOR BAKERY SWEETS GOODS—NAMELY, SWEET ROLLS AND SWEET CAKES, MADE OF YEAST RAISED DOUGH.

Claims use since Sept. 1, 1942.

425,361. (CLASS 37. PAPER AND STATIONERY.) MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Oct. 30, 1943. Serial No. 464,543. Applicant is the owner of Regs. Nos. 389,202 and 417,265.

SCOTCH - RAP

FOR SELF-ADHERENT MOISTURE-PROOF AND OIL-RESISTANT, FLEXIBLE COMPOSITE WRAPPING SHEET FOR SEALING PACKAGES, CONTAINERS AND THE LIKE, AND HAVING ON A SURFACE THEREOF A SELF-SEALING AND HEAT-ACTIVATABLE ADHESIVE COATING.
Claims use since Nov. 5, 1942.

425,362. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) C. B. WEBER & Co., Jersey City, N. J. Filed July 27, 1944. Serial No. 472,690.

Weber

FOR PIPES.
Claims use since Sept. 5, 1943.

425,363. (CLASS 37. PAPER AND STATIONERY.) FIELD-ERNST ENVELOPE Co., San Francisco, Calif. Filed Sept. 26, 1944. Serial No. 474,624.

Kant-Look

FOR CORRESPONDENCE ENVELOPES.
Claims use since January 1936.

425,364. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CHARLES L. KUBISTA, doing business as Air Dome Co., Owatonna, Minn. Filed Oct. 20, 1944. Serial No. 475,539.

Air Dome

FOR POULTRY FOUNTS CONNECTED WITH A WATER SUPPLY.
Claims use since Aug. 1, 1944.

425,365. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) ELECTRO-TECHNICAL PRODUCTS, INC., Nutley, N. J. Filed Nov. 6, 1944. Serial No. 476,154.

GLASSTONE

The lining shown in the drawing is for shading only.
FOR WASHABLE, WATER PROOF FABRICS, OF SILK, RAYON, COTTON, AND GLASS FIBERS HAVING A PLASTIC COATING.
Claims use since May 22, 1944.

425,366. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) ELECTRO-TECHNICAL PRODUCTS, INC., Nutley, N. J. Filed Nov. 6, 1944. Serial No. 476,155.

SILVERSTONE

The lining shown in the drawing is for shading only.
FOR WASHABLE, WATER PROOF FABRICS, OF SILK, RAYON, COTTON, AND GLASS FIBERS, HAVING A PLASTIC COATING.
Claims use since Sept. 2, 1938.

425,367. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DONALD E. FRITTS, doing business as Plastic Center Co., San Francisco, Calif. Filed Dec. 4, 1944. Serial No. 477,190.

PLASTIC CENTER

FOR DIALS FOR SCIENTIFIC RECORDING INSTRUMENTS AND PROTECTIVE COVER FOR SUCH DIALS, GAUGE GLASSES, AND METER GLASSES.
Claims use since Sept. 10, 1943.

425,368. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) KIRK A. LANDON, doing business as United Service Association, Miami, Fla. Filed Jan. 10, 1945. Serial No. 478,461.



FOR AUTOMOBILE DISPLAY PLATES.
Claims use since Aug. 8, 1944.

425,369. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) HILL-SHAW COMPANY, Chicago, Ill. Filed Jan. 31, 1945. Serial No. 479,232.

DUTCH

FOR PORCELAIN FILTERS FOR BEVERAGE BREWERS, SUCH AS BREWERS FOR COFFEE AND TEA.
Claims use since Jan. 15, 1945.

425,370. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BLACKBURN PRODUCTS, INC., Newark, N. J. Filed Apr. 5, 1945. Serial No. 481,734.

TAN-O-LITE

FOR ARTIFICIAL LEATHER COATED FABRICS.
Claims use since Dec. 1, 1944.

425,371. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AROLD W. BROWN, doing business as Standard Laboratories, Ypsilanti, Mich. Filed Apr. 13, 1945. Serial No. 482,090.



FOR SOAP.
Claims use since May 1933.

425,372. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE EASY WASHING MACHINE COMPANY LIMITED, Toronto, Ontario, Canada. Filed May 25, 1945. Serial No. 483,766.

DUALOCK

FOR LOCK NUTS.
Claims use since Jan. 20, 1945.

425,373. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HERMAN GREENBERG, New York, N. Y. Filed May 28, 1945. Serial No. 483,855.



FOR GARMENT HANGERS.
Claims use since Nov. 23, 1943.

425,374. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MARTIN STAUNT, doing business as Midwest Dental Mfg. Co., Chicago, Ill. Filed May 30, 1945. Serial No. 483,995.

STAIN-LESS

FOR DENTAL HANDPIECES.
Claims use since May 18, 1945.

425,375. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAVAS P. SAVIDES, Rockaway Beach, N. Y. Filed June 13, 1945. Serial No. 484,501.



FOR FRIED DOUGHNUTS.
Claims use since Apr. 5, 1945.

425,376. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRANK J. TATAR, doing business as Resin-Nu Chemical Co., Buffalo, N. Y. Filed June 27, 1945. Serial No. 485,106.

RESIN-NU

FOR LIQUID POLISH FOR FURNITURE, WOODWORK, FLOORS, BAR TOPS, AND AUTOMOBILES.
Claims use since July 1944.

425,377. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CONSOLIDATED RAZOR BLADE CO. INC., Jersey City, N. J. Filed August 8, 1945. Serial No. 486,888.

Berkeley

FOR SHAVING CREAM.
Claims use since Aug. 2, 1945.

425,378. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) BELL & GOSSETT COMPANY, Morton Grove, Ill. Filed Sept. 11, 1945. Serial No. 488,251.

Hydro-Flo

FOR CIRCULATING PUMPS, FLOW CONTROL VALVES, FITTINGS FOR INDUCING FLOW THROUGH RADIATORS IN ONE-PIPE HOT WATER HEATING SYSTEMS, DUAL UNIT VALVES CONSISTING OF PRESSURE REDUCING AND PRESSURE RELIEF VALVES, PRESSURE REDUCING VALVES, PRESSURE RELIEF VALVES, EXPANSION TANKS, INDIRECT WATER HEATERS AND MOTORIZED VALVES, ALL FOR HOT WATER HEATING SYSTEMS.
Claims use since Aug. 29, 1945.

425,379. (CLASS 31. FILTERS AND REFRIGERATORS.) CENTRAL SUPPLY COMPANY, Indianapolis, Ind. Filed Oct. 11, 1945. Serial No. 489,792.

Chest-O-Cold

FOR REFRIGERATORS.
Claims use since Aug. 24, 1945.

425,380. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JAMES R. ALBURGER, Hollywood, Calif. Filed Nov. 19, 1945. Serial No. 491,788.

TESTRIP

FOR PRE-EXPOSED PHOTOGRAPHIC FILM.
Claims use since Sept. 12, 1945.

425,381. (CLASS 2. RECEPTACLES.) OSCAR F. ARTHUR, doing business as Steel Wire Products, Connellsville, Pa. Filed Nov. 19, 1945. Serial No. 491,795.

8-WAY STEEL WIRE PALLET

FOR STEEL WIRE PALLETS, USED AS PORTABLE DECKS OR TABLES UPON WHICH ARTICLES ARE LOADED FOR TRANSPORTATION.
Claims use since Sept. 15, 1945.

425,382. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) E. K. HARDISON SEED COMPANY, Nashville, Tenn. Filed Nov. 20, 1945. Serial No. 491,916.

HARDI-BRAND SEEDS

FOR FIELD AND GARDEN SEEDS.
Claims use since 1933.

425,383. (CLASS 37. PAPER AND STATIONERY.) DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Nov. 27, 1945. Serial No. 492,260.

WASHINGTON BRILLIANT

FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS AND PRINTING PAPERS.
Claims use since May 30, 1913.

425,384. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MORRIS RAPPAPORT, doing business as Rapp's Mfg. Co., Brooklyn, N. Y. Filed Nov. 30, 1945. Serial No. 492,462.

RAPP'S ALTURN

FOR PORTABLE HAND OPERATED APPARATUS FOR USE IN TURNING THE SPRING WIRE USED IN CLEANING OUT CLOGGED PLUMBING TUBES AND FIXTURES.
Claims use since Aug. 10, 1940.

425,385. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LEWIS E. WACKERLE, doing business as Super-Sensitive Musical String Co., Chicago, Ill. Filed Dec. 12, 1945. Serial No. 493,157.

Super-Sensitive

FOR STRINGS FOR MUSICAL INSTRUMENTS.
Claims use since July 1, 1941.

425,386. (CLASS 37. PAPER AND STATIONERY.) REYNOLDS INTERNATIONAL PEN COMPANY, Chicago, Ill. Filed Dec. 17, 1945. Serial No. 493,455.

Reynolds INTERNATIONAL

FOR FOUNTAIN PENS.
Claims use since Oct. 1, 1945.

425,387. (CLASS 12. CONSTRUCTION MATERIALS.) ART IRON & WIRE WORKS, INC., Toledo, Ohio. Filed Dec. 18, 1945. Serial No. 493,473.

A1

FOR METAL ELEMENTS FOR BUILDINGS OR OTHER STRUCTURES COMPRISING STRUCTURAL SHAPES, FLATS, EXPANDED AND SHEETS, SPECIAL FRAME ASSEMBLIES THEREOF, INCLUDING DOORS, GATES, RAILS, STAIRS, BRACKETS, RACKS, WALLS AND PARTITIONS.
Claims use since Jan. 1, 1945.

425,388. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SICCA SOYA PAINT CO., INC., Peoria, Ill. Filed Dec. 22, 1945. Serial No. 493,835.

Plastic Plaster

FOR SYNTHETIC RESIN DECORATIVE PAINT COATING COMPOSITION.
Claims use since Jan. 1, 1942.

425,389. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Jan. 11, 1946. Serial No. 494,625.

Oster

FOR MARCEL IRON HEATERS—NAMELY, GAS STOVES IN WHICH MARCEL IRONS ARE HEATED.
Claims use since Nov. 1, 1924.

425,390. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN G. HOLLIN, doing business as International Export Company, San Francisco, Calif. Filed Jan. 30, 1946. Serial No. 495,673.

MAJESTIC

FOR READY MIXED PAINTS.
Claims use since Jan. 25, 1941.

425,391. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) COLUMBUS IRON WORKS COMPANY, Columbus, Ga. Filed Feb. 14, 1946. Serial No. 496,542.

WOOD SAVER

FOR WOOD BURNING HEATERS.
Claims use since Summer of 1939.

425,392. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RALPH ARTHUR SPENCE, doing business as Glassweave Mfg. & Supply Co., Salem, Oreg. Filed Feb. 25, 1946. Serial No. 497,206.

Film-O-Glass

FOR COARSELY WOVEN, FILLED TEXTILE FABRIC FOR USE AS A GLASS SUBSTITUTE.
Claims use since Apr. 5, 1945.

425,393. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RALPH ARTHUR SPENCE, doing business as Glassweave Mfg. & Supply Co., Salem, Oreg. Filed Feb. 25, 1946. Serial No. 497,207.

Screen-O-Glass

FOR FILLED WIRE FABRIC FOR USE AS A GLASS SUBSTITUTE.
Claims use since Apr. 5, 1945.

425,394. (CLASS 33. GLASSWARE.) CORY GLASS COFFEE BREWER CO., Chicago, Ill., assignor to Cory-Corporation, a corporation of Delaware. Filed Mar. 27, 1946. Serial. No. 499,049.

CORY ROD

Applicant is the owner of Reg. No. 331,919.
FOR COFFEE BREWER FILTER MADE OF GLASS.
Claims use since Aug. 24, 1938.

425,395. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) POWERS X-RAY PRODUCTS, INC., Glen Cove, N. Y. Filed Mar. 6, 1946. Serial No. 497,740.

POWERS X-RAY

FOR UNEXPOSED X-RAY SENSITIVE MATERIAL—NAMELY, X-RAY PAPERS, AND EXPOSED AND DEVELOPED RADIOGRAPHS.
Claims use since July 1943.

425,396. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) HELFERN CO. LTD., Los Angeles, Calif. Filed Apr. 6, 1946. Serial No. 499,782.

Ever Lite

FOR CIGARETTE LIGHTERS OF THE PYROPHORIC TYPE.
Claims use since June 16, 1945.

425,397. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) WILLIAM AMER COMPANY, Philadelphia, Pa. Filed Apr. 30, 1946. Serial No. 501,150.

KING KID

FOR GLAZED KID LEATHER.
Claims use since 1909.

425,398. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROSE ROMAIN, doing business as Rose Romain Sales Co., Cleveland, Ohio. Filed Sept. 25, 1946. Serial No. 509,726.

Rose Romain

FOR CREAM ADAPTED TO BE USED FOR CLEANSING AND BEAUTIFYING THE COMPLEXION.
Claims use since Oct. 16, 1928.

TRADE-MARK REGISTRATIONS RENEWED

28,336. **"HOUSATONIC SILEX WOOD FILLER" AND DRAWING.** WOOD-FILLER. Registered June 2, 1896. THE BRIDGEPORT WOOD FINISHING COMPANY, New Milford, Conn. Re-renewed June 2, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 16.

28,781. **CREMOL.** OLEAGINOUS SUBSTANCES. Registered Aug. 18, 1896. SWIFT & COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Aug. 18, 1946. Class 46.

29,188. **"VICI" ETC. AND DESIGN.** DRESSINGS OR POLISHES FOR SHOES, PARTICULARLY LIQUID DRESSINGS. Registered Nov. 17, 1896. ROBERT H. FOERDERER, Frankford, Philadelphia, Pa. Re-renewed Nov. 17, 1946, to Robert H. Foerderer, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Class 4.

53,428. **EDELWEISS.** LAGER-BEER. Registered June 5, 1906. THE PETER SCHOENHOFEN BREWING COMPANY. Re-renewed June 5, 1946, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware. Class 48.

53,637. **LINDALE.** COTTON PIECE GOODS. Registered June 5, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 5, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

53,722. **WOSTENHOLM.** CERTAIN NAMED CUTLERY. Registered June 12, 1906. GEORGE WOSTENHOLM AND SON, LIMITED, Sheffield, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Re-renewed June 12, 1946. Class 23.

53,893. **"EDELWEISS" ETC. AND DESIGN. LAGER-BEER.** Registered June 12, 1906. THE PETER SCHOENHOFEN BREWING COMPANY. Re-renewed June 12, 1946, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware. Class 48.

54,081. **JENKINS.** RUBBER PACKING, RUBBER GASKETS, RUBBER DISKS, RUBBER RINGS, AND RUBBER WASHERS. Registered June 19, 1906. ALFRED B. JENKINS, New York, N. Y., and Boston, Mass. Re-renewed June 19, 1946, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey. Class 35.

54,209. **"JENKINS" AND DESIGN.** RUBBER PACKING, RUBBER GASKETS, RUBBER DISKS, RUBBER RINGS, AND RUBBER WASHERS. Registered June 19, 1906. ALFRED B. JENKINS, New York, N. Y., and Boston, Mass. Re-renewed June 19, 1946, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey. Class 35.

54,846. **ATLAS.** FRUIT-JARS. Registered July 31, 1906. HAZEL-ATLAS GLASS COMPANY, Wheeling, W. Va., a corporation of West Virginia. Re-renewed July 31, 1946. Class 33.

55,930. **SIL-O-CEL.** FIREPROOF INSULATION FOR FLOORS AND WALLS. Registered Aug. 21, 1906. MAGNE-SILICA COMPANY, Los Angeles, Calif. Re-renewed Aug. 21, 1946, to Johns-Manville Corporation, New York, N. Y., a corporation of New York. Class 12.

56,786. **"GOLDEN-ASH-COAL" AND DESIGN.** LIGNITE COAL. Registered Oct. 16, 1906. THE CONSOLIDATED COAL & COKE COMPANY, Denver, Colo., a corporation of Colorado. Re-renewed Oct. 16, 1946. Class 1.

57,166. **MAILLARD'S.** BON-BONS, CHOCOLATES, AND SWEET CHOCOLATE. Registered Nov. 6, 1906. HENRY MAILLARD. Re-renewed Nov. 6, 1946, to The Maillard Corporation, New York, N. Y., a corporation of New York. Class 46.

57,258. **PEARL.** LAUNDRY SOAP. Registered Nov. 6, 1906. CHARLES W. YOUNG & CO. Re-renewed Nov. 6, 1946, to G. B. Young, doing business as United States Soap Manufacturing, Philadelphia, Pa. Class 4.

57,259. **"PEARL BORAX" ETC.** LAUNDRY AND POWDERED SOAP. Registered Nov. 6, 1906. CHAS. W. YOUNG & CO. Re-renewed Nov. 6, 1946, to G. B. Young, doing business as United States Soap Manufacturing, Philadelphia, Pa. Class 4.

57,619. **"HONEY MOON" AND DRAWING.** CANNED, BOTTLED, AND PACKAGED FRUITS AND VEGETABLES. Registered Nov. 13, 1906. ZARNITS BROTHERS GROCERY CO., Wheeling, W. Va., a corporation of West Virginia. Re-renewed Nov. 13, 1946. Class 46.

57,690. **OLD ORCHARD.** VINEGAR, APPLE-BUTTER, JELLIES, JAMS, AND FRUIT PRESERVES. Registered Nov. 27, 1906. CHARLES L. ANDERSON. Re-renewed Nov. 27, 1946, to W. T. Morgan, doing business as The Orchard Products Company, Denver, Colo. Class 46.

57,723. **DRINK A LITTLE SARGE.** WHISKY. Registered Nov. 27, 1906. FREDERICK C. RENZIEHAUSEN, Pittsburg, Pa. Re-renewed Nov. 27, 1946, to A. Overholt & Co., Inc., Broad Ford, Pa., a corporation of Pennsylvania. Class 49.

57,742. **THOR.** PORTABLE MOTOR-DRIVEN PNEUMATIC DRILLS, PORTABLE MOTOR-DRIVEN PNEUMATIC HAMMERS, AND OTHER PORTABLE MOTOR-DRIVEN PNEUMATIC TOOLS AND PARTS OF AND REPAIRS FOR SAID TOOLS. Registered Nov. 27, 1906. AURORA AUTOMATIC MACHINERY COMPANY, Aurora, Ill. Re-renewed Nov. 27, 1946, to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware. Class 28.

57,759. **VESTA.** TUBULAR LANTERNS. Registered Nov. 27, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Nov. 27, 1946. Class 34.

57,763. **VESTA.** BURNERS FOR OIL-BURNING LAMPS AND LANTERNS. Registered Nov. 27, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Nov. 27, 1946. Class 34.

57,764. **JUNIOR.** BURNERS FOR OIL-BURNING LAMPS AND LANTERNS. Registered Nov. 27, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Nov. 27, 1946. Class 34.

57,765. **BLIZZARD.** BURNERS FOR OIL-BURNING LAMPS AND LANTERNS. Registered Nov. 27, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Nov. 27, 1946. Class 34.

57,793. **MONARCH.** OIL-BURNING LAMPS AND LANTERNS. Registered Nov. 27, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Nov. 27, 1946. Class 34.

57,794. **BEACON.** OIL-BURNING LAMPS AND LANTERNS. Registered Nov. 27, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Nov. 27, 1946. Class 34.

57,903. **WHITE SEWING MACHINE CO.** SEWING-MACHINES, SEWING-MACHINE COVERS, TABLES, AND STANDS. Registered Dec. 4, 1906. WHITE SEWING MACHINE CO. Re-renewed Dec. 4, 1946, to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware. Class 23.

57,984. **"S.W." AND DESIGN.** HINGES, BUTTS, HANGERS, GUIDE-RAILS, HASPS, HANDLES, PULLS AND LIFTS FOR DOORS, WINDOWS, SCREENS, SHUTTERS, AND BLINDS, AND CORNERS, BRACKETS, AND BUCKLES. Registered Dec. 4, 1906. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Re-renewed Dec. 4, 1946. Class 13.

58,048. **EXTREME VIOLET.** TOILET WATER AND LIQUID PERFUME. Registered Dec. 4, 1906. R. HUDNUT'S PHARMACY. Re-renewed Dec. 4, 1946, to Richard Hudnut, New York, N. Y., a corporation of New York. Class 6.

58,087. **"EXTREME VIOLET TALCUM POWDER" AND DESIGN.** TALCUM POWDER. Registered Dec. 4, 1906. R. HUDNUT'S PHARMACY. Re-renewed Dec. 4, 1946, to Richard Hudnut, New York, N. Y., a corporation of New York. Class 6.

58,133. **MAILLARD.** CHOCOLATES, SWEET CHOCOLATE, AND ALL FORMS OF CANDY. Registered Dec. 4, 1906. HENRY MAILLARD. Re-renewed Dec. 4, 1946, to The Maillard Corporation, New York, N. Y., a corporation of New York. Class 46.

58,150. **"IF U DONT U AUTOO" AND DESIGN.** CANDY. Registered Dec. 4, 1906. MANUFACTURING COMPANY OF AMERICA. Re-renewed Dec. 4, 1946, to Thos. D. Richardson Company, Philadelphia, Pa., a corporation of Pennsylvania. Class 46.

59,907. **"IDEAL MILK IDEAL".** STERILIZED MILK AND CONDENSED MILK. Registered Jan. 22, 1907. NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham, Switzerland. Re-renewed Jan. 22, 1947, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York. Class 46.

213,801. **SAFE PACK.** PAPER GARMENT BAGS. Registered June 8, 1926. ROSETH CORPORATION, Brooklyn, N. Y., a corporation of New York. Renewed June 8, 1946. Class 2.

213,802. **GAARD.** PAPER GARMENT BAGS. Registered June 8, 1926. ROSETH CORPORATION, Brooklyn, N. Y., a corporation of New York. Renewed June 8, 1946. Class 2.

213,806. **PYRALIN.** PYROXYLIN ENAMELS. Registered June 8, 1926. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 8, 1946. Class 16.

214,314. **"FORHAN'S" ETC.** CHEWING GUM. Registered June 22, 1926. FORHAN COMPANY. Renewed June 22, 1946, to Zonite Products Corporation, New York, N. Y., a corporation of Delaware. Class 46.

214,787. **REPRESENTATION OF A DEMI-LION, ETC. FILES.** Registered July 6, 1926. JOHN BEDFORD & SONS LIMITED, Sheffield, England, a United Kingdom corporation. Renewed July 6, 1946. Class 23.

214,884. **PETER PAN.** BRUSHES—NAMELY, TOILET BRUSHES, HAIRBRUSHES, TOOTHBRUSHES, NAIL BRUSHES, CLOTHES BRUSHES, HAT BRUSHES, AND BRUSHES FOR DOMESTIC USES, SUCH AS SWEEPING BRUSHES, AND CERTAIN OTHER NAMED BRUSHES. Registered July 6, 1926. FOREST BRUSH WORKS LIMITED, London, England, a corporation of Great Britain. Renewed July 6, 1946. Class 29.

215,013. **REPRESENTATION OF BARREL WITH A WHITE HOOP AT EACH END.** CLEANING, CLEANSING, AND DETERGENT MATERIALS PARTICULARLY ADAPTED FOR USE ON MARBLE, TILE, AND OTHER SIMILAR SURFACES. Registered July 6, 1926. THE J. B. FORD COMPANY. Renewed July 6, 1946, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. Class 4.

215,014. **REPRESENTATION OF BARREL WITH A RED HOOP AT EACH END.** CLEANING AND CLEANSING MATERIALS FOR DISHWASHING, FOR GENERAL CLEANING IN DAIRIES, CREAMERIES, BAKERIES, FACTORIES, HOTELS, AND INSTITUTIONS; AND FOR HOUSEHOLD USE. Registered July 6, 1926. THE J. B. FORD COMPANY. Renewed July 6, 1946, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. Class 4.

215,015. **REPRESENTATION OF BARREL WITH YELLOW BAND AT EACH END.** COMMERCIAL, PREPARED AND MODIFIED SODA ASH FOR LAUNDRY, HOUSEHOLD, FACTORY AND GENERAL CLEANING PURPOSES. Registered July 6, 1926. THE J. B. FORD COMPANY. Renewed July 6, 1946, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. Class 6.

215,016. **REPRESENTATION OF BARREL WITH TWO BLUE COLORED HOOPS IN MIDDLE.** METAL CLEANER FOR REMOVING OILS, GREASES, AND RUST-PREVENTING COMPOUNDS FROM METAL. Registered July 6, 1926. THE J. B. FORD COMPANY. Renewed July 6, 1946, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. Class 4.

215,235. **REPRESENTATION OF BARREL WITH A GREEN HOOP AT EACH END.** MODIFIED, PREPARED, COMMERCIAL, AND SPECIAL ALKALI FOR CLEANING AND CLEANSING PURPOSES IN BOTTLING WORKS, CREAMERIES, ETC. Registered July 13, 1926. THE J. B. FORD COMPANY. Renewed July 13, 1946, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. Class 6.

215,547. **"CCC" AND DESIGN.** COPPER INGOTS, INGOT BARS, WIRE BARS, WEDGE BARS, BILLETS, SLABS, AND CAKES. Registered July 20, 1926. CHILE EXPLORATION COMPANY, New York, N. Y., a corporation of New Jersey. Renewed July 20, 1946. Class 14.

215,873. **"SPALDING" AND DESIGN.** SCORE BOOKS. Registered July 27, 1926. A. G. SPALDING & BROS., New York, N. Y. Renewed July 27, 1946, to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware. Class 37.

216,070. **CHEVROLET.** AUTOMOBILES. Registered Aug. 3, 1926. GENERAL MOTORS CORPORATION, Detroit, Mich., a corporation of Delaware. Renewed Aug. 3, 1946. Class 19.

216,153. **"GOLDEN MIST" ETC.** NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered Aug. 3, 1926. JACOB RIES BOTTLING WORKS, INC., Shakopee, Minn., a corporation of Minnesota. Renewed Aug. 3, 1946. Class 45.

216,178. **MEDABOG.** GREEN COFFEE. Registered Aug. 3, 1926. J. ARON & COMPANY, INC., New Orleans, La., a corporation of Louisiana. Renewed Aug. 3, 1946. Class 46.

216,194. **THE JA-NAR.** RADIATOR INCLOSURES. Registered Aug. 3, 1926. THE FULTON COMPANY. Renewed Aug. 3, 1946, to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Tennessee. Class 34.

216,514. **"MILKWEED" AND DRAWING.** FACE CREAM. Registered Aug. 10, 1926. FREDERICK F. INGRAM COMPANY, Detroit, Mich. Renewed Aug. 10, 1946, to Bristol-Myers Company, New York, N. Y., a corporation of Delaware. Class 6.

216,635. **REPRESENTATION OF A "BROWNIE".** CERTAIN ELECTRICAL APPLIANCES. Registered Aug. 17, 1926. EDISON ELECTRIC APPLIANCE COMPANY. Renewed Aug. 17, 1946, to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York. Class 21.

216,908. **SILHOUETTE OF A CHEF.** CERTIFIED FOOD COLORS. Registered Aug. 24, 1926. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed Aug. 24, 1946, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 6.

216,910. **FRENCHEF.** CERTIFIED FOOD COLORS. Registered Aug. 24, 1926. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed Aug. 24, 1946, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 6.

216,995. **"MELTONIAN" ETC. AND DESIGN.** MEN'S HATS. Registered Aug. 24, 1926. H. FRIEDMAN HAT CO., INC., New York, N. Y. Renewed Aug. 24, 1946, to Melton Hat Co., Bethel, Conn., a corporation of Conneticut. Class 39.

217,029. **"GRIMES" AND DRAWING.** HOG FEED. Registered Aug. 24, 1926. J. PERCY GRIMES, trading as Grimes Milling Company, Salisbury, N. C. Renewed Aug. 24, 1946. Class 46.

217,128. **"FAIRY FORMS" ETC. AND DESIGN.** SHOE FORMS. Registered Aug. 24, 1926. SHOE FORM CO., INC., Auburn, N. Y., a corporation of New York. Renewed Aug. 24, 1946. Class 50.

217,558. **WATERFLEX.** ROPE. Registered Sept. 7, 1926. WHITLOCK CORDAGE COMPANY, New York, N. Y. Renewed Sept. 7, 1946, to Whitlock Cordage Company, Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Class 7.

217,606. **SHIRTMAKER FROCK.** WOMEN'S AND CHILDREN'S DRESSES. Registered Sept. 7, 1926. BEST & CO. INC., New York, N. Y., a corporation of New York. Renewed Sept. 7, 1946. Class 39.

217,782. **CLOVER DALE.** MEN'S UNDERWEAR OF TEXTILE FABRIC. Registered Sept. 7, 1926. DIXIE UNDERWEAR COMPANY INC., Montgomery, Ala. Renewed Sept. 7, 1946, to Carmi-Feature Underwear, Incorporated, New York, N. Y., a corporation of Illinois. Class 39.

218,114. **LET 'ER GO!** FRESH VEGETABLES—NAMELY, TOMATOES, LETTUCE, AND PEAS; FRESH FRUITS—NAMELY, STRAWBERRIES, APPLES, AND PEACHES; FRESH MELONS—NAMELY, CANTALOUPES. Registered Sept. 21, 1926. SAMUEL J. GALLAGHER, Brawley, Calif. Renewed Sept. 21, 1946, to Samuel J. Gallagher, Hollister, Calif. Class 46.

218,248. **"FERRO" AND DESIGN.** DOOR LOCKS AND DECK LOCKS. Registered September 21, 1926. FERRO STAMPING & MANUFACTURING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Sept. 21, 1946. Class 25.

218,259. **THIANTHRENE.** VAT DYES. Registered Sept. 21, 1926. THE NEWPORT COMPANY, Carrollville, Wis. Renewed Sept. 21, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 6.

218,263. **"CHESTERFIELD" ETC. AND DESIGN.** SMOKING TOBACCO AND CIGARETTES. Registered Sept. 21, 1926. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Sept. 21, 1946. Class 17.

218,459. **FULTEX.** WATERPROOFED TENTS, TARPAULINS, AND COVERINGS, AND FOR WATERPROOFED PIECE GOODS CONSISTING OF DUCK, DRILL, AND SHEETING. Registered Sept. 28, 1926. FULTON BAG & COTTON MILLS, Atlanta, Ga., a corporation of Georgia. Renewed Sept. 28, 1946. Classes 42-50.

218,776. **STANISOL.** DRY-CLEANING FLUID. Registered Oct. 5, 1926. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Oct. 5, 1946. Class 4.

219,365. **ISO-VIS.** LUBRICATING OILS. Registered Oct. 19, 1926. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Oct. 19, 1946. Class 15.

219,387. **TOBACCO.** WEEKLY MAGAZINE. Registered Oct. 19, 1926. TOBACCO TRADE JOURNAL CO. Renewed Oct. 19, 1946, to Lockwood Trade Journal Company, Inc., New York, N. Y., a corporation of New York. Class 38.

219,490. **GOOD POLICY.** PERIODICAL PARTICULARLY ADAPTED TO INSURANCE—PUBLISHED FROM TIME TO TIME. Registered Oct. 19, 1926. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Renewed Oct. 19, 1946. Class 38.

219,618. **ESS-O-ESS.** COLOR AND DYE REMOVERS FOR THE HAIR. Registered Oct. 19, 1926. RAP-I-DOL CO., INC., Newark, N. J. Renewed Oct. 19, 1946, to Rap-I-Dol Co., Inc., New Hyde Park, Long Island, N. Y., a corporation of New Jersey. Class 6.

220,108. **"COOPERATION" AND DESIGN.** COAL. Registered Nov. 2, 1926. THE TILDESLEY COAL CO., Cincinnati, Ohio, a corporation of Ohio. Renewed Nov. 2, 1946. Class 1.

220,114. **COMFORT COAL.** COAL. Registered Nov. 2, 1926. COMFORT COAL-LUMBER CO., INC., Hackensack, N. J., a corporation of Delaware. Renewed Nov. 2, 1946. Class 1.

220,450. **"SEM-PRAY" AND DESIGN.** TOILET PREPARATION FOR APPLICATION TO THE SKIN—NAMELY, CLEANSING CREAM. Registered Nov. 9, 1926. SEM-PRAY JO-VE-NAY COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed Nov. 9, 1946. Class 6.

220,543. **VICTOR.** JAP HULL-LESS POP CORN IN ITS NATURAL STATE. Registered Nov. 9, 1926. RONALD MEYER, doing business as The Ronald Meyer Popcorn Company, Carnarvon, Iowa. Renewed Nov. 9, 1946. Class 46.

220,568. **BAMA.** SAWMILLS. Registered Nov. 9, 1926. ALABAMA MACHINERY & SUPPLY COMPANY, Montgomery, Ala., a corporation of Alabama. Renewed Nov. 9, 1946. Class 23.

220,646. **STANOLIND VOTIVE LITES.** CANDLES. Registered Nov. 16, 1926. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Nov. 16, 1946. Class 15.

220,651. **ASPIR-PEP.** PREPARATION FOR THE TREATMENT OF HEADACHES, COLDS, NEURALGIA, AND KINDRED PAINS. Registered Nov. 16, 1926. DR. MILES MEDICAL COMPANY. Renewed Nov. 16, 1946, to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana. Class 6.

220,761. **ASPIR-VESS.** PREPARATION FOR THE TREATMENT OF HEADACHES, COLDS, NEURALGIA, AND KINDRED PAINS. Registered Nov. 16, 1926. DR. MILES MEDICAL COMPANY. Renewed Nov. 16, 1946, to Ames Company, Inc., Elkhart, Ind., a corporation of Indiana. Class 6.

220,824. **"C" AND DESIGN.** CHAINS MADE OF IRON AND STEEL OTHER THAN FOR AUTOMOTIVE VEHICLES AND COMPONENT PARTS THEREOF. Registered Nov. 16, 1926. THE CARROLL CHAIN COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Nov. 16, 1946. Class 13.

220,852. **TETMAL.** HEADACHE REMEDY. Registered Nov. 16, 1926. GENERAL DRUG COMPANY, New York, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 6.

220,911. **"BB BETTY BINGHAM" AND DESIGN.** DOLLS. Registered Nov. 16, 1926. HILLS, MCLEAN & HASKINS, INCORPORATED, Binghamton, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 22.

220,921. **INLAND.** STEERING WHEELS FOR MOTOR-DRIVEN VEHICLES. Registered Nov. 16, 1926. INLAND MANUFACTURING COMPANY, Dayton, Ohio. Renewed Nov. 16, 1946, to General Motors Corporation, Detroit, Mich., a corporation of Delaware. Class 19.

221,023. **TETRADOL.** COAL TAR PRODUCT USED PRINCIPALLY FOR MEDICINAL PURPOSES. Registered Nov. 23, 1926. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED. Renewed Nov. 23, 1946, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Class 6.

221,061. **"BLUE BELL" ETC. AND DESIGN.** COAL. Registered Nov. 23, 1926. CARRS FORK COAL COMPANY, Lexington, Ky. Renewed Nov. 23, 1946, to Carrs Fork Coal Company, Portsmouth, Ohio, a corporation of Kentucky, Class 1.

221,108. **PODORA.** ANTISEPTIC POWDER. Registered Nov. 23, 1926. GEORGE N. VALAKI, Brooklyn, N. Y. Renewed Nov. 23, 1946. Class 6.

221,129. **"MC CALLUM" ETC.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered Nov. 23, 1926. MCCALLUM HOSIERY CO. Renewed Nov. 23, 1946, to Propper-McCallum Hosiery Co. Inc., Northampton, Mass., a corporation of Delaware. Class 39.

221,149. **MECO.** GAS WELDING, CUTTING, CARBON-BURNING, AND LEAD-BURNING TORCHES, ACETYLENE GENERATORS, AND REDUCING VALVES OR REGULATORS, FOR USE WITH TORCHES AND GENERATORS. Registered Nov. 23, 1926. MODERN ENGINEERING COMPANY. Renewed Nov. 23, 1946, to Modern Engineering Company, Inc., St. Louis, Mo., a corporation of Missouri. Class 34.

221,150. **ROUNDUP.** CANNED GOODS—NAMELY, SARDINES, TUNNY FISH, CLAMS, CRAB MEAT, CORN, PUMPKIN, SPINACH, SWEET POTATOES, BEANS, TOMATOES, SAUERKRAUT, PEAS, PIMENTOES, AND CERTAIN OTHER NAMED CANNED GOODS. Registered Nov. 23, 1926. ROUNDUP GROCERY COMPANY, Spokane, Wash., a corporation of Washington. Renewed Nov. 23, 1946. Class 46.

221,172. **DERBY.** MIXED HOUSE PAINT. Registered Nov. 23, 1926. JAS. H. PRINCE PAINT COMPANY, Boston, Mass., a corporation of Maine. Renewed Nov. 23, 1946. Class 16.

221,181. **OK.** WHITING. Registered Nov. 23, 1926. THE EAST ASIATIC CO. Renewed Nov. 23, 1946, to The East Asiatic Company, Inc., San Francisco, Calif., a corporation of California. Class 16.

221,182. **DECORA-COLOR.** COLORS WHETHER IN BOTTLES, PANS, TUBES, CAKES OR STICKS, USED FOR FABRIC PAINTING OF ALL KINDS, INCLUDING COTTON, LINEN, WOOL, SILK, AS WELL AS FOR PAINTING ON WOOD, GLASS, CHINA, LEATHER, METAL, CELLULOID, AND PAPER. Registered Nov. 23, 1926. F. WEBER CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 23, 1946. Class 16.

221,230. **CHINO-GLOSS.** PAINT ENAMEL. Registered Nov. 23, 1926. THE HANNA PAINT MANUFACTURING COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Nov. 23, 1946. Class 16.

221,257. **LAQCAW.** LACQUER PAINT AND FINISHES. Registered Nov. 23, 1926. C. A. WOOLSEY PAINT & COLOR CO., Jersey City, N. J. Renewed Nov. 23, 1946, to C. A. Woolsey Paint & Color Co. Inc., New York, N. Y., a corporation of New York. Class 16.

221,275. **COMFORT.** BRICK, TILE, WALL TIES, CEMENT, STUCCO, MORTAR COLORS, LIME, WALL BOARD, MORTAR, MARBLE DUST, PLASTER, PLASTER OF PARIS, PLASTER BOARD; LATHS, WOOD AND METAL; AND CERTAIN OTHER NAMED CONSTRUCTION MATERIALS. Registered Nov. 23, 1926. COMFORT COAL-LUMBER CO. INC., Hackensack, N. J., a corporation of Delaware. Renewed Nov. 23, 1946. Class 12.

221,324. **BOWL-WOOD.** WOODEN SPOONS. Registered Nov. 30, 1926. THE JOHN H. MULHOLLAND COMPANY, Philadelphia, Pa. Renewed Nov. 30, 1946, to The John H. Mulholland Company, Milford, Del., a corporation of Delaware. Class 23.

221,360. **BAKELITE.** COTTONSEED-OIL SHORTENING. Registered Nov. 30, 1926. ARMSTRONG PACKING COMPANY, Dallas, Tex. Renewed Nov. 30, 1946, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 46.

221,378. **MIRRORSTELE.** CUTLERY MADE WHOLLY OR PARTIALLY OF BASE METAL—NAMELY, TABLE KNIVES, TABLE FORKS, AND TABLE SERVING PIECES. Registered Nov. 30, 1926. REED & BARTON, Taunton, Mass., a corporation of Massachusetts. Renewed Nov. 30, 1946. Class 23.

221,385. **CALUMET.** DRIED BEEF AND EGGS. Registered Nov. 30, 1926. G. H. HAMMOND COMPANY. Renewed Nov. 30, 1946, to G. H. Hammond Company, Chicago, Ill., a corporation of Illinois. Class 46.

221,399. **"WHIZ" AND DESIGN.** PREPARATIONS FOR CLEANING RADIATORS AND MOTOR COOLING SYSTEMS AND DRAIN PIPES, PREPARATIONS FOR FIRE EXTINGUISHERS, INSECTICIDES AND DISINFECTANTS, CHEMICAL PREPARATIONS FOR DRESSING FABRICS, LEATHER AND IMITATION LEATHER AND FOR WATERPROOFING PURPOSES; AND CERTAIN OTHER NAMED CHEMICAL PREPARATIONS. Registered Nov. 30, 1926. THE R. M. HOLLINGSHEAD CO. Renewed Nov. 30, 1946, to R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey. Class 6.

221,418. **HAPPY.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Nov. 30, 1926. C. D. HUBBARD FRUIT CO. Renewed Nov. 30, 1946, to Carpinteria Lemon Association, Carpinteria, Calif., a corporation of California. Class 46.

221,478. **THE OVERALL GLOVE.** KNITTED AND WOVEN FABRIC GLOVES WITH OR WITHOUT LEATHER FACING. Registered Nov. 30, 1926. WELLS-LAMONT MANUFACTURING CO., Minneapolis, Minn. Renewed Nov. 30, 1946, to Wells Lamont Corporation, Chicago, Ill., a corporation of Minnesota. Class 39.

221,607. **COLUMBIA.** PHONOGRAPHS OR TALKING MACHINES, PARTS, AND ACCESSORIES THEREFOR—NAMELY, RECORD BRUSHES, REPEATERS, NEEDLES OR STYLI, RECORD ENVELOPES, RECORD ALBUMS, NEEDLE CUPS, AND STOP MECHANISMS, AND RECORDS THEREFOR. Registered Dec. 7, 1926. COLUMBIA PHONOGRAPH COMPANY, INC. Renewed Dec. 7, 1946, to Columbia Recording Corporation, Bridgeport, Conn., a corporation of Delaware. Class 36.

221,691. **UNIVERSAL LIQUID.** CHEMICALS FOR FIRE-EXTINGUISHING MACHINES. Registered Dec. 7, 1926. WM. E. BROSIUS, doing business as W. E. Brosius Company, Pittsburgh, Pa. Renewed Dec. 7, 1946. Class 6.

221,768. **EASIMOV.** GUMMED PAPER TAPE. Registered Dec. 7, 1926. MCLAURIN-JONES CO., Brookfield, Mass., a corporation of Massachusetts. Renewed Dec. 7, 1946. Class 37.

REISSUES

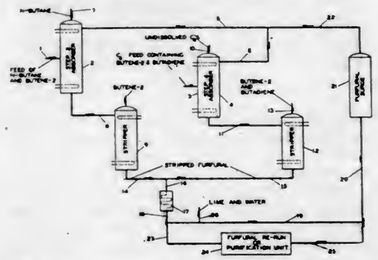
NOVEMBER 12, 1946

22,811
EXTRACTIVE DISTILLATION WITH FURFURAL

Virgil Scarth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Original No. 2,404,253, dated July 16, 1946, Serial No. 569,243, December 21, 1944. Application for reissue August 9, 1946, Serial No. 689,319

6 Claims. (Cl. 196—13)



1. In the process of separating unsaturated aliphatic hydrocarbons from a mixed hydrocarbon stream containing such unsaturates by extractive distillation wherein said mixed hydrocarbon stream is passed upward through an absorber tower in countercurrent to a descending stream of solvent composed of furfural containing dissolved water, a bottoms product consisting of furfural rich in unsaturated hydrocarbon is withdrawn from said absorber tower, said bottom product is introduced into a stripper column and there stripped of its unsaturated hydrocarbon content, a bottoms product consisting of stripped furfural is withdrawn from said stripper column and split into two streams, one of such resulting streams is passed to a re-run unit and there distilled to give a purified material consisting essentially of furfural and water dissolved therein, the purified furfural is combined with the other stream of stripped furfural and the resulting combined furfural stream is recycled to said absorber tower as solvent for the extractive distillation step; that improvement which consists of simultaneously inhibiting polymerization of furfural, corrosion of equipment due to acids and corrosion of equipment due to factors other than acidity by introducing lime into that branch of the stripped furfural stream which bypasses the said re-run unit, at a point between the place where said stripped furfural stream is split and the place where the recycled stripped furfural is fed into said absorber tower; and controlling the amount of lime so introduced so that the acidity of the furfural in the extractive distillation system is maintained between 0.02 per cent and 0.06 per cent by weight, calculated as acetic acid.

PLANT PATENTS

GRANTED NOVEMBER 12, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

715
ROSE PLANT

Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Company, Richmond, Ind., a corporation of Indiana

Application October 24, 1945, Serial No. 624,230

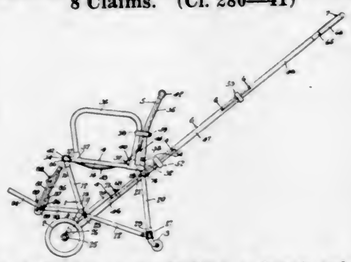
1 Claim. (Cl. 47—61)

A new and distinct variety of Hybrid Tea Rose plant, characterized as to novelty by the vigorous habit of growth of the plant, large size of the blooms; freedom of blooming on long, strong stems, and the unusual red color of the blooms, with brilliant reaction of petal color and texture under certain lighting conditions, in the class of greenhouse forcing varieties, substantially as shown and described.

PATENTS

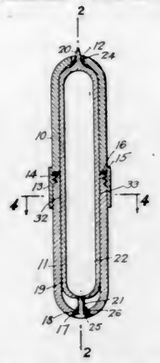
GRANTED NOVEMBER 12, 1946

2,410,797
COLLAPSIBLE BABY BUGGY
Edward Frank Allenbaugh, Burbank, Calif.
Application March 5, 1945, Serial No. 580,968
8 Claims. (Cl. 280—41)



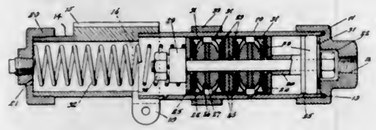
1. A baby buggy including a front axle, front wheels journaled on said axle, a telescope handle post pivotally connected at its forward end to said axle, a collapsible seat frame mounted on said axle and said handle post, means whereby said seat frame is collapsed, when said handle post is telescoped, and set up in position for use when said handle post is extended, and a seat on said seat frame.

2,410,798
INHALER
Huna L. Apfelbaum, Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application April 26, 1943, Serial No. 484,561
6 Claims. (Cl. 128—200)



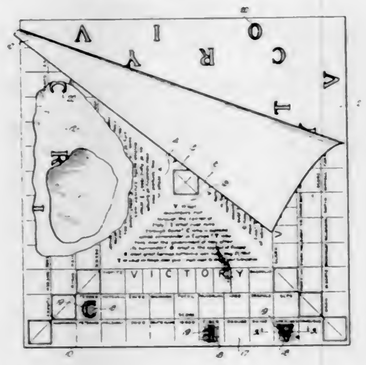
1. In an inhaler, a casing having an inlet opening at one end thereof and an outlet opening at the other end thereof, a hollow elongated member frictionally fitted into and slidable within the casing and having a pair of imperforate side walls arranged in transverse spaced relation to each other, a valve stem at each end of said member, one of said stems passing through the inlet opening and the other through the outlet opening, said stems sealing the openings in one position of the member and unsealing the openings in another position of the member, the member having an unobstructed space therein between the side walls and between the stems to hold medicament inserted thereinto by a movement substantially parallel to said side walls.

2,410,799
MOISTURE EJECTION DEVICE FOR AIR PRESSURE SYSTEMS
Cyrus W. Bassett, Long Branch, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application March 2, 1945, Serial No. 580,691
15 Claims. (Cl. 303—88)



4. A system cleaning device for a system placed under air pressure, wherein a pressure reservoir is provided, and wherein foreign matter and moisture accumulate in the reservoir, and wherein air under pressure is led away from the reservoir by a conduit, and wherein means are provided to control the flow of air under pressure through said conduit, the device including a cylinder, means for forming a chamber within the cylinder, an inlet to the cylinder, the inlet being in communication with the reservoir, an outlet from the cylinder spaced from the inlet, means in the cylinder for moving the chamber, the moving means including means normally effective to place the chamber in registry with the inlet, and including means under control of air under pressure through the conduit for bringing the chamber into registry with the outlet.

2,410,800
GAME DEVICE
Fred Baumgartner, Kansas City, Mo.
Application April 24, 1944, Serial No. 532,433
3 Claims. (Cl. 35—9)



1. A game device comprising a pair of superposed sheets, the top sheet of opaque material having an unexposed layer of coloring material beneath its top surface, selected characters impressed in the upper surface of the bottom sheet, markings on the exposed surface of the top sheet dividing portions thereof into framed areas whereby rubbing of the exposed surface of the top sheet with a blunt instrument or marking device at the undefined location of the selected characters reproduces said characters within the framed areas of the top sheet.

2,410,801
IGNITING COMPOSITION
Ludwig F. Audrieth, Dover, N. J.
No Drawing. Application March 13, 1945, Serial No. 582,478
4 Claims. (Cl. 52—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An igniting composition consisting essentially of polymeric thiocyanogen and an oxidizing agent.

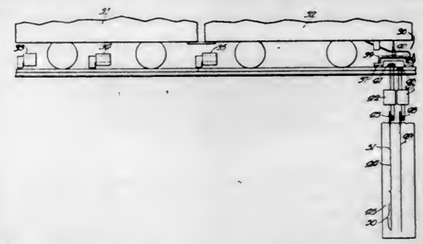
2,410,802
CONCENTRIC CONDUCTOR TRANSMISSION LINE
John C. Bain, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 5, 1943, Serial No. 485,743
2 Claims. (Cl. 174—28)



1. A concentric conductor line arranged to transmit signal waves, comprising an outer conductor and an inner conductor including a plurality of sections, a pair of connectors on one section for joining its opposite ends to the adjacent ends of the remaining sections and a plurality of insulators spaced on said one section intermediate its opposite ends for maintaining concentric spacing between said one section and said outer conductor, said outer conductor having one or more axial openings for exposing substantially the entire length of said one inner conductor section together with said connectors and insulators thereon, and a sleeve positioned on said outer conductor in coaxial relation therewith and having one or more axial openings which are substantially coextensive with said openings in said outer conductor, said sleeve being movable to one position for covering said openings in said outer conductor, and to another position for registering its openings with said openings in said outer conductor and thereby exposing said one section of inner conductor together with said connectors and insulators thereon, such registered openings allowing the removal and replacement therethrough of the connectors and insulators associated with said exposed inner conductor section and of said last mentioned inner conductor section itself.

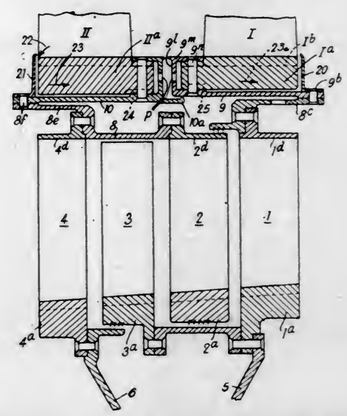
2,410,803
METHOD AND APPARATUS FOR DETECTING FLAWS IN RAILS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.
Application April 8, 1940, Serial No. 328,516
27 Claims. (Cl. 175—183)

1. Apparatus for progressively detecting flaws in rail comprising means for setting up characteristic magnetic conditions in the vicinity of flaws, a detecting unit responsive to said conditions movable along the rail, and means for supporting said unit where the unit will have its strongest magnetic coupling with the rail through a surface of the rail head lower than the top surface of the rail, thereby producing an indication when the device traverses said field whereby the unit is relatively unresponsive to



magnetic conditions set up by surface imperfections on the top surface of the rail head, said unit including a core having poles lying adjacent to the rail head.

2,410,804
TURBINE
Karl Baumann, Mere, Knutsford, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application January 13, 1944, Serial No. 518,174
In Great Britain January 19, 1942
5 Claims. (Cl. 230—116)



1. In apparatus of the character described comprising an outer blading system and an inner bladed system surrounded by said outer system, a foundation ring of light alloy for at least one row of blading of said outer system, a driving member of reentrant form connected with at least one row of blading of said inner system, said driving member having an outer flange and an axially extending reentrant flange to provide an annular channel into which said foundation ring extends, and means attaching said ring in said channel.

2,410,805
VIBRATION DETECTOR
Robert Black, Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 16, 1942, Serial No. 426,989
3 Claims. (Cl. 177—386)

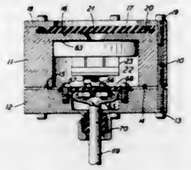
2. A vibration detector comprising an inertia-type electromechanical transducer including a

case of relatively inflexible material, a body of relatively flexible material completely surrounding said case and intimately secured thereto, said body having a cylindrical outer contour, a thin metallic sleeve attached to and surrounding said



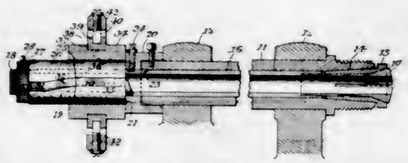
body, a relatively rigid cup-shaped member at each end of said body secured to the latter and fitting within the ends of said sleeve, a terminal member within each of said rigid members, and conductors embedded in said body and connecting said transducer with said terminals.

2,410,806
SUBMARINE SIGNAL DETECTOR
Robert Black, Jr., South Orange, and Frank F. Romanow, Berkeley Heights, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1942, Serial No. 426,130
3 Claims. (Cl. 181—0.5)



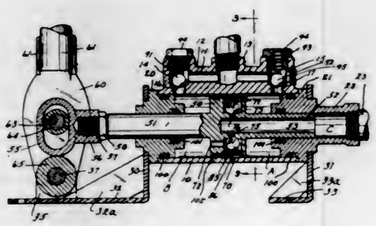
1. A submarine signal detector comprising a water-tight fluid-containing enclosure, having a wall portion with an aperture that flares outwardly between inner and outer surfaces of the wall portion, a flexible rubber diaphragm contiguous with and fastened against said outer surface to prevent water entering said enclosure through said aperture, and a diaphragm within said enclosure spaced from said inner surface and arranged so that fluid within the enclosure may flow between opposite sides of the diaphragm.

2,410,807
CO-ORDINATED-CAM COLLET ACTUATOR
Ronald F. Brennen, Valley Stream, N. Y., assignor to General Die-Stamping-Tool Company, New York, N. Y., a partnership comprised of Richard P. Matshak and David M. Kasson
Application April 3, 1943, Serial No. 481,768
15 Claims. (Cl. 279—1)



1. The combination, with a lathe head-stock having therein a live spindle having an inner taper at the work end and a short projecting threaded rear portion; an attachment comprising a collet in the taper; a draw-tube slidably fitting in the spindle and connected to the collet and having a projecting rear end and a longitudinal seat near said threaded portion; a guide collar slidably receiving the tube and having inner threads received on and removably secured fast on said threaded portion, and having a transverse abutment faced away from the stock; a radial pin carried by the guide collar and engageable in said seat; a tension-adjusting collar adjustably removably secured on said rear end; cam collars rotatably and slidably received on said projecting end between the adjusting collar and said abutment face and having contacting faces meeting at an angle to their axes; said cam collars having approximately longitudinally grooves disposed at an angle to each other; a releasing collar slidable on said cam collars and provided with radial pins engaged in said grooves respectively; and means to slide said releasing collar to relatively rotate the cam collars; removal of the tension-adjusting collar allowing the easy removal of the entire attachment from the stock and replacement of the usual end collar on said threaded rear portion.

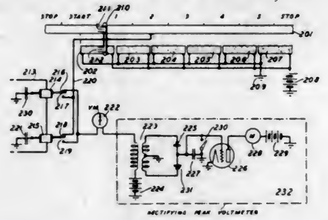
2,410,808
PUMP
Niels A. Christensen, South Euclid, Ohio
Application July 7, 1944, Serial No. 543,869
8 Claims. (Cl. 103—193)



1. In a pump, the combination of a cylinder, a pair of heads therefor, a piston therein, a piston rod extending from the cylinder through one of the heads of the cylinder, a pair of frame brackets abutting opposite ends of the cylinder heads and having lateral extensions to provide a support, through bolts on the outside of the cylinder connecting the frame brackets and operating to hold the cylinder and the two heads and the two frame brackets as one stationary device.

2,410,809
TELEGRAPH SIGNAL DISTORTION MEASURING CIRCUIT
Samuel I. Cory, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1943, Serial No. 515,779
6 Claims. (Cl. 178—69)

1. In a telegraph system, a telegraph signal distortion measuring circuit comprising a variable potentiometer including a high resistance element, a displaceable contact engaging said element, means for displacing said contact along said element from a fixed reference in proportion to variations in the durations of telegraph signal impulses, means for charging a condenser through said potentiometer and said contact continuously during an interval while said contact is being displaced uniformly along said element and means for controlling the initiation and termination of



said charging in response to received telegraph signal elements.

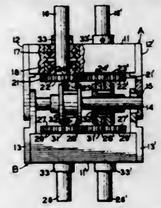
2,410,810
DIAPHRAGM CONSTRUCTION FOR TURBINES
Val Cronstedt, Marlboro, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 23, 1943, Serial No. 495,931
5 Claims. (Cl. 253—78)



4. A split turbine diaphragm having opposed sections in the adjoining edges of which are recesses, said diaphragm also having an annular groove in its inner periphery, a seal having a flange in said groove, and an axially extending aligning pin engaging the recesses in the diaphragm and the flange of the seal, said flange having an opening to receive the pin, said pin having an enlarged portion fitting in said groove and engaging laterally with the walls of the groove for maintaining alignment of the diaphragm.

2,410,811
ARTICULATED TRANSMISSION
Edward Dawson, New York, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application June 24, 1944, Serial No. 541,887
18 Claims. (Cl. 74—69)

1. An articulated mechanical transmission comprising a first frame member having spaced end plates, a slide rail spanning the space between said end plates, a second frame member swivel joined to said first frame member, a collar encircling but free to reciprocate upon said slide rail, a drive shaft rotatably mounted in said first frame member and having a crank pin meshing with said collar, and a driven shaft rotatably mounted in said second frame member and likewise having a crank pin meshing with said collar,

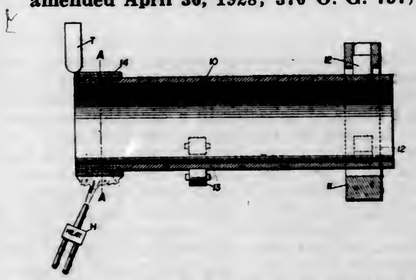


the crank pin of said drive shaft being displaced a half revolution relative to the crank pin of said driven shaft whereby minimum wear and uniform distribution of friction between said crank pins and said collar is obtained.

2,410,812
SUPPORT FOR ABRASIVE DISKS
Frank De Michel, Chicago, Ill., assignor of twenty-five per cent to Walter J. Jacobsen, twelve and one-half per cent to Russell F. Barsotti, and twelve and one-half per cent to Vincent J. Barsotti, all of Chicago, Ill.
Application June 30, 1945, Serial No. 602,502
15 Claims. (Cl. 51—197)

5. In a support for abrasive disks adapted to be rotated about a central axis, the combination comprising a plurality of normally flat backing disks of relatively thin fiber material having different radii and superimposed in face-to-face and stepped relationship with the larger disk forming a backing face for the abrasive disk, series of radially and circumferentially spaced air passages extending axially through the backing disks, and means for holding the air passages of adjacent disks in axial alignment for the passage of cooling air therethrough to the abrasive disk.

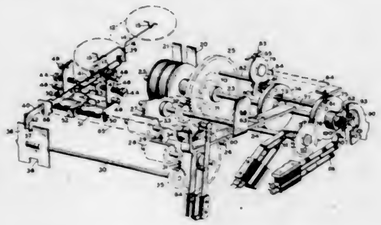
2,410,813
METHOD OF FORMING CASINGS
Walter Dillon, United States Navy
Application May 8, 1942, Serial No. 442,216
14 Claims. (Cl. 29—1.21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of forming a cylindrical object having side walls and a closed end wall from

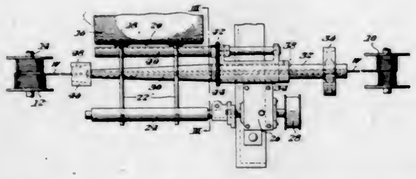
metal tubing including the steps of adding metal to one end of the tubing to thereby thicken said end of the tubing, spinning the thickened tubing, and manipulating the thickened end, while spinning, into a closed homogeneously fused end wall having a thickness substantially greater than the side walls.

2,410,814
SIGNALING SYSTEM
Francis C. Evans, Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application December 16, 1941, Serial No. 423,130
10 Claims. (Cl. 177—357)



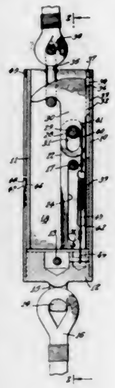
7. In combination, a tripping mechanism, a signal transmitter controlled by said tripping mechanism comprising a motor, means driven by said motor and associated with said tripping mechanism whereby release of said means starts said motor, a cam driven by said motor, an operating arm linked with said tripping mechanism, a follower connected to said operating arm and in engagement with said cam whereby movement of the cam operates said operating arm and said tripping mechanism to positively release said driven means, and an impulse wheel driven by said motor for transmitting distinctive signals.

2,410,815
METHOD AND APPARATUS FOR APPLYING ASBESTOS TO WIRE
Kenneth A. Falconer, Auburn, Mass.
Application October 10, 1942, Serial No. 461,596
8 Claims. (Cl. 57—5)



1. In the manufacture of insulated electric conductors the method which comprises advancing a conductor lengthwise, continuously feeding a fleece of loosely associated substantially parallel fibers of asbestos in a direction approximately normal to the line of travel of said conductor, exerting a combined longitudinal and centripetal force on the fleece whereby it is compressed circularly and advanced longitudinally while supported out of contact with the advancing wire and then circularly compressing the thus condensed fibrous mass directly around the wire whereby the substantially parallel association of the fibers of the fleece is not disrupted to any material extent so that the density of the fleece is not lessened by fiber disentanglement.

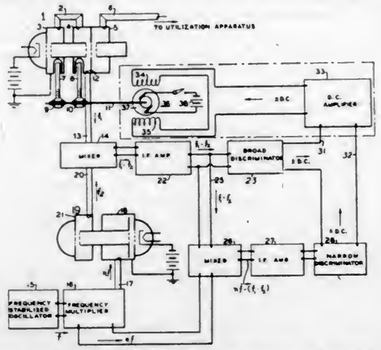
2,410,816
MECHANICAL RELEASE
Leonard P. Frieder, Rockville Centre, and Walter S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder
Application July 20, 1945, Serial No. 606,192
9 Claims. (Cl. 294—83)



4. In a device of the character described, the combination comprising an outer tubular casing, an inner casing in telescoping relation with said outer casing, means for limiting the amount of extension of one of said casings to the other, means for attaching a load to said outer casing, means for attaching a supporting line to said inner casing, said last-named means including a hook pivotally supported from said inner casing, spring means having one end attached to the back of said hook and its other end attached to said outer casing, said spring means being normally ineffective to exert influence on said hook when said casings are in closed telescoping relationship but effective on said hook when said casings are extended from one another, and means to hold said casings in extended relationship after they have been extended by a pull on said hook.

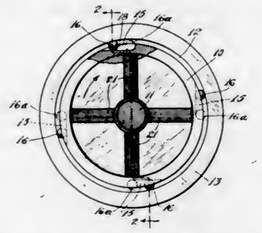
2,410,817
FREQUENCY CONTROL SYSTEM
Edward L. Ginzton, Wantagh, Winslow Palmer, West Hempstead, and Frederic A. Jenks, Rockville Centre, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 19, 1942, Serial No. 443,605
15 Claims. (Cl. 250—36)

1. A stabilization system for stabilizing the frequency of an oscillator comprising, supply means for producing a reference voltage of a frequency somewhat different from the desired frequency of operation of said oscillator, a mixer connected for receiving energy from said oscillator and from said supply means, a broad band discriminator connected for receiving a version of the output of said mixer, a second mixer connected for receiving a portion of the output of said first mixer and for receiving a second reference voltage from said supply means, such second reference voltage being of a frequency close to that of the output of said first mixer, a narrow band pass discriminator connected for receiving a version of the output of said second mixer, means for connecting the outputs of said discriminators together, tuning motive means for effecting tuning of said oscillator, and means con-



nected for combining the outputs of said discriminators for controlling said tuning motive means.

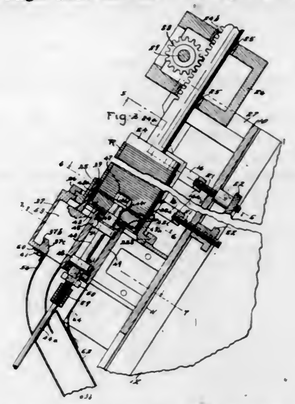
2,410,818
FREEWHEELING CLUTCH
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application September 7, 1942, Serial No. 457,609
12 Claims. (Cl. 192—45)



1. In a free-wheeling clutch mechanism, the combination of a driving member and a cup-shaped driven member receiving said driving member and with said members being capable of free rotation with respect to each other, said driving member having one or more recesses increasing in depth in a circumferential direction, a wedging member of magnetic material in each of said recesses adapted to be moved into a wedging position between said members by a force established upon rotation of said driving member, and magnet means rotatable with said driving member and disposed adjacent the deep end of each of said recesses for urging and retaining said wedging member in the deep end of its recess.

2,410,819
RING BORING MACHINE
Otto W. Haling, Rochester, Minn., assignor to Burd Piston Ring Company, Rockford, Ill., a corporation of Illinois
Application November 1, 1943, Serial No. 508,627
22 Claims. (Cl. 77—1)

1. A ring boring machine having in combination, means for supporting split rings, a member adjacent said means for centering said rings relative to one another and engaging the same about their peripheries, means for moving said rings into said member, a boring head operating within said member for boring said rings as they are moved through said member and past said head,

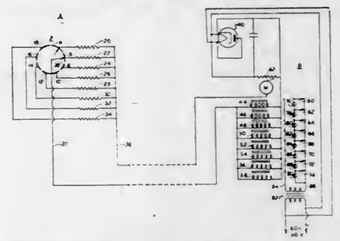


and means for supporting and discharging said rings after they pass said head.

2,410,820
PRODUCTION OF VINYL CYANIDE
Charles R. Harris, Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 12, 1944, Serial No. 518,013
7 Claims. (Cl. 260—464)

1. A process for the production of vinyl cyanide which comprises subjecting succinonitrile vapor to pyrolysis at a temperature of about 300 to 700° C. in the presence of a catalyst comprising an alkali metal cyanide on a solid support.

2,410,821
SELECTIVE INDICATING SYSTEM
Leon Hillman, New York, N. Y.
Application August 28, 1943, Serial No. 500,397
7 Claims. (Cl. 177—353)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



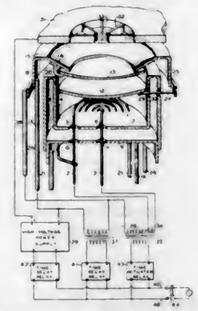
1. A selectively-operable electrical system comprising at least a pair of identical elements, a source of current normally disconnected from said elements, at least a pair of switches each having first and second positions, means including said switches when both are in their first positions to short circuit each of said elements, means responsive to positioning of one of said switches to its second position while the other switch is in its first position to remove the short circuit from only one of said elements and to connect it across said source of current to cause operation of only said one element, and means responsive to positioning of both switches in the

second position to remove the short circuit from only the other element and to connect it across said source to cause operation of only said other element.

2,410,822
HIGH FREQUENCY ELECTRON DISCHARGE APPARATUS

David E. Kenyon, Smithtown, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York

Application January 3, 1942, Serial No. 425,491
13 Claims. (Cl. 250—27.5)

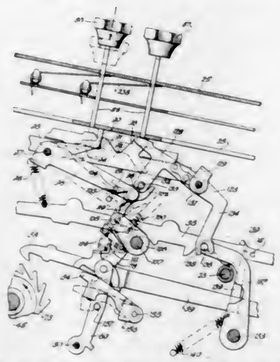


1. Electron discharge apparatus comprising a substantially planar filamentary element adapted to serve as a source of electrons when heated, a first emitter presenting a relatively large surface area to said element, means connected to said element and said emitter for providing a difference of potential between said element and said emitter whereby electrons leaving said element are caused to bombard said emitter with high velocity, a second emitter adjacently spaced from said first emitter, and means connected to said emitters for providing an alternating voltage between said emitters whereby said emitters heat each other by mutual electron bombardment.

2,410,823
CALCULATING MACHINE

Jalmer M. Laiho, Skokie, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 17, 1941, Serial No. 411,194
40 Claims. (Cl. 235—82)

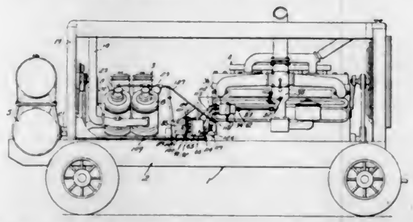


5. In a calculating machine, a plurality of ordinal columns of keys corresponding to the digits 1 to 9, inclusive, a multi-denominational register, a multi-denominational register actuator each denominational element of which is responsive to one ordinal column of digit keys, ordinal digit stop bars which limit the motion of the actuator; a tens-complementary digit stop bar associated with the lowest denominational element of the register actuator, ordinal nines-complementary digit stop bars associated with all other denominational elements of the register actuator that are responsive to a column of digit keys, a primary subtraction control key, means to hold said primary subtraction control key in depressed position, means operable by said primary subtraction control key to replace said ordinal digit stop bars by their respective complementary digit stop bars, means operable by said primary subtraction control key to detain each denominational element of the register actuator from operation while values are set up on the ordinal columns of digit keys, a secondary subtraction control key, means operable by said secondary subtraction control key to set all denominational elements of the register actuator in readiness for operation if not previously set by operation of the digit keys in their respective ordinal columns, means operable by said secondary subtraction control key to release said register actuator detaining means to subtract the value set up on the ordinal columns of digit keys from the register by adding the complementary values corresponding to the digit keys depressed and adding "9's" in all columns where no digit key is depressed and "10" in the lowest denominational column if no key was depressed in that column, and means to release the primary subtraction control key from depressed position after the secondary subtraction control key has returned to non-depressed position.

2,410,824
PUMPING APPARATUS

Ralph E. Lamberton, Michigan City, Ind., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application July 6, 1942, Serial No. 449,864
19 Claims. (Cl. 230—3)



1. In a valve mechanism, in combination, a plurality of valve seats, valve members engageable with said valve seats, means for subjecting said valve members to the action of a pressure fluid supplied from a common source, means forming chambers in which said valve members are individually movable and which are severally adapted for connection to devices to be controlled, said chambers receiving pressure fluid past said valve seats when said valve members are unseated, means for yieldingly holding said valve members in engagement with said valve seats including means for necessitating the subjection of said valves to severally different predetermined pressures to unseat them, whereby said valves open in definite sequence upon predetermined increases in the pressure, and adjustable means for altering simultaneously the pressures at which said valve members will lift from their seats operative to maintain the order of opening of said valves.

2,410,825
PIEZOELECTRIC CRYSTAL APPARATUS

Clarence E. Lane, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 4, 1943, Serial No. 477,915
21 Claims. (Cl. 171—327)

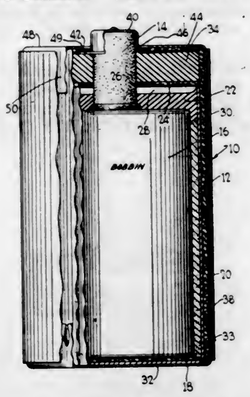


1. A duplex type thickness flexure mode crystal body comprising two length-mode +5-degree X-cut type quartz crystal plates bonded together in major face to major face relation to obtain a low temperature coefficient for said flexure mode frequency of said body, the length and thickness dimensions of said crystal plates being made of values in accordance with the value of said flexure mode frequency, means for driving said crystal body in said thickness flexure mode comprising electrodes formed integral with the outside major faces of said body, and means comprising four pairs of conductive bent spring wires soldered to said electrodes substantially at the nodes of motion of said body for supporting and establishing electrical connections with said body substantially at the nodes of motion thereof.

2,410,826
DRY BATTERY

Maurice Lang and Henry Rosendal Dam, New York, N. Y., assignors to Henry Hyman, Brooklyn, N. Y.

Application August 16, 1941, Serial No. 407,128
6 Claims. (Cl. 136—133)

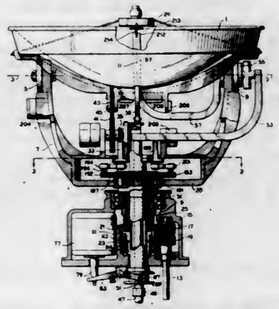


4. An electric dry battery comprising a zinc cup electrode, a carbon rod electrode, a sub-seal between the top of said cup electrode and said rod electrode which permits the passage of fluid battery decomposition products under a pressure insufficient to substantially distend said cup electrode, said rod electrode projecting substantially above said sub-seal, a self-form-maintaining tube fitted around said cup electrode, a top closure between the top of said tube and said carbon electrode, said tube being imperforate and of a porous highly absorbent electrically non-conductive material, whereby said tube serves to permit passage of the gaseous battery decomposition products and to absorb the liquid battery decomposition products escaping through said sub-seal or through corrosive perforations in the cup electrode, and an open-ended tubular sheath of water-impermeable material fitted around said porous absorbent tube to prevent moisture which reaches the outer surface of said tube from coming into contact with any part of a device with which the battery is used.

2,410,827
SCANNING DEVICE

Hall Langstroth, Greenwich, Conn., and Fred C. Wallace, New York, N. Y., assignors to Sperry Gyroscope Company, Inc., a corporation of New York

Continuation of application Serial No. 438,398, April 10, 1942, now Patent No. 2,407,305, dated September 10, 1946. This application June 28, 1943, Serial No. 492,566
6 Claims. (Cl. 250—11)

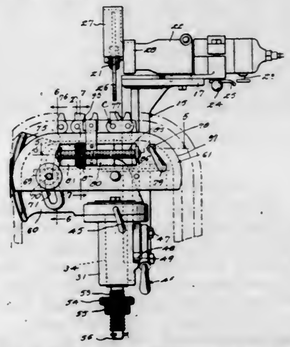


1. A scanning device comprising a directive antenna, a mounting yoke for the antenna rotatable about a first axis, means for pivotally mounting said antenna on said yoke for oscillating movement about a second axis normal to said first axis, means for rotating said yoke, means for ocsillating said antenna including a driving pinion mounted for movement about the first axis, means for rotating said pinion at a different speed than the speed of rotation of said yoke, mechanism actuated by said driving pinion and mounted on said yoke including a driven pinion, a rack mounted for translational movement, and a rod connecting said driven pinion and rack.

2,410,828
CHAIN SAW SHARPENER

Anders R. Lofstrand, Jr., Silver Spring, Md.

Application November 19, 1943, Serial No. 510,948
5 Claims. (Cl. 51—92)



4. In a chain saw sharpener, a movable carriage, a pair of saw clamping plates carried by

said carriage, a pair of opposed saw gripping fingers disposed partially above said plates, said plates being formed with elongated guide slots, a slide loosely engaging in said slots, means securing said fingers to said slide for movement therewith, means for simultaneously locking said slide and clamping said plates on opposite sides of the saw, and means for adjusting said slide lengthwise of said slots.

2,410,829

STABILIZATION OF GASOLINE AND OF ADDITION AGENTS THEREFOR

Daniel B. Luten, Jr., Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 17, 1944, Serial No. 518,667

11 Claims. (Cl. 44—69)

1. A composition comprising hydrocarbons containing a knock-reducing amount of a mononuclear aromatic amine in which the total number of carbon atoms in all alkyl radicals is less than 7 and a stabilizing amount of a 2,4-dialkyl phenol in which one alkyl substituent is selected from the group consisting of primary, secondary and tertiary alkyl radicals and the other alkyl substituent is selected from the group consisting of primary and secondary alkyl radicals.

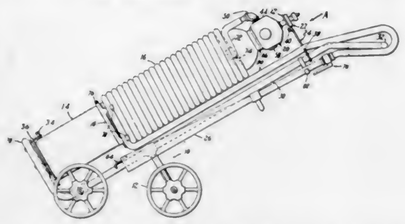
2,410,830

FLUID PRESSURE MEDIA DISPENSING DEVICE

Sidney C. Marsh, Hohokus, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey

Application December 6, 1944, Serial No. 566,927

14 Claims. (Cl. 299—79)



1. The combination of a support, rotatable means mounted on said support, a valve rotatable with said rotatable means and operable to release a fluid medium under pressure, a hose adapted for reeling on and unreeling from said rotatable means and being connected to said valve to receive the fluid medium released by said valve, said rotatable means including a journal, a bearing on said support for said journal, and means extending through said journal for operating said valve.

2,410,831

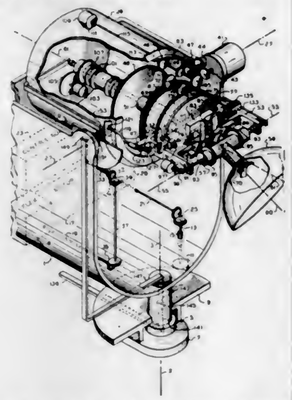
SCANNING DEVICE

Leon A. Maybarduk, Forest Hills, Walter W. Mieher, Mineola, Stephen J. Zand, Forest Hills, and Gifford E. White, Hempstead, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application April 10, 1942, Serial No. 438,388

29 Claims. (Cl. 250—11)

27. A scanning device comprising a paraboloidal reflector adapted to radiate a lobe of energy, means for sweeping said reflector so as to project said lobe through successive portions of a solid angle, and means for spinning said reflector about a fixed axis eccentrically disposed with respect to said lobe, but substantially aligned with the axis of said reflector.



28. In the method of scanning, the steps comprising revolving and oscillating the directive axis of an energy radiator through successive portions of a solid angle in space to locate a target, and upon receiving radiant energy reflected from said target, confining the sweeping motion of said radiator to a relatively narrow solid angle adapted to enclose said target.

2,410,832

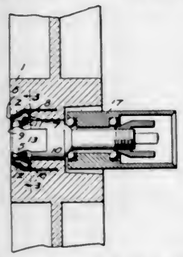
SNAP-ON PROPELLER

William B. McLean, Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of War

Application April 19, 1944, Serial No. 531,842

5 Claims. (Cl. 287—53)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In combination with a shaft having a peripheral groove adjacent one end thereof, a collar, a cap encircling the shaft, means to hold the cap firmly in the collar, an expansible ring in the cap adapted to snap in the groove, and means to prevent rotation of the cap on the shaft.

2,410,833

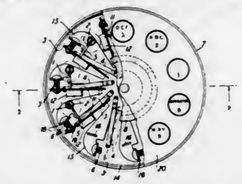
CALL TRANSMITTER

Larned A. Meacham, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 16, 1943, Serial No. 510,481

6 Claims. (Cl. 179—90)

5. A generator for the production of predetermined polarized electric impulses comprising a magnetic circuit including an inverted cup-shaped magnet having vertical slots radially and equally spaced thereon, a core interiorly affixed to the center of said magnet, and a plurality of arcuate magnetic cams each having on its periphery projections and indentations permutatively arranged thereon according to a predetermined code, the total of such projections and indentations being the same for each cam, each of said cams being positioned for rotatable movement within a slot in said magnet at a distance from the core to provide a normal air-gap between the core and the periphery of the cam which shall be increased by an indentation and decreased by a projection to thereby momentarily increase and decrease, respectively, the reluctance of said magnet circuit, and a pick-up coil mounted upon said core to interlink said magnetic circuit whereby the increase in the reluctance of said circuit induces an electromotive force in one direction in said coil and the decrease induces an electromotive force in the other direction.



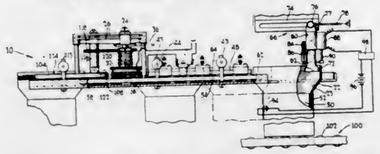
2,410,834

MACHINE FOR SEALING BAGS

Edwin E. Messmer, River Edge, N. J., assignor to Amsco Packaging Machinery Inc., Long Island City, N. Y., a corporation of New York

Application December 11, 1943, Serial No. 513,819

11 Claims. (Cl. 226—56)



1. A machine of the character described for sealing the open mouth of a bag, said machine comprising means for sealing the bag, means spaced from said sealing means for removing air from the bag, and a pair of endless belts having parallel reaches opposed to each other and extending between said air removing means and said bag sealing means, means for urging said reaches together to compress between them the mouth of the bag being transferred, means to move said belts whereby said belts transfer said bag from said air removing means to said bag sealing means after the air has been removed therefrom while holding the mouth of the bag closed during such transfer so as to prevent reentry of the air before sealing of the bag.

2,410,835

TRANSCRIBING DEVICE

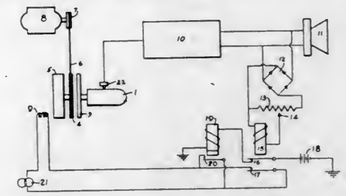
Homer R. Montague, Washington, D. C.

Application September 25, 1945, Serial No. 618,594

2 Claims. (Cl. 179—100.4)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a transcribing device of the type in which a sound record is moved relative to a reproducing pick-up to produce an audible signal, means for inserting a predetermined delay between successive elements of the signal as reproduced, comprising means sensitive to the presence and absence of signal energy in the output of said device, means responsive to the condition of said sensitive means for stopping the relative move-



ment of said record and said pick-up after a condition of substantial absence of signal from the output of said device has existed for more than a predetermined interval, and means for automatically causing a resumption of said relative movement after the lapse of a predetermined time measured from the operation of said stopping means.

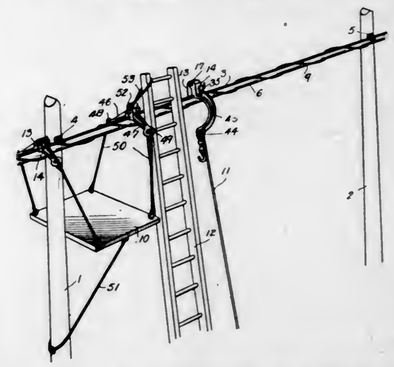
2,410,836

CLAMP FOR PLATFORM PULLEY BLOCKS

Dory J. Neale, Topeka, Kans.

Application October 7, 1944, Serial No. 557,659

6 Claims. (Cl. 304—15)



1. A clamp for attachment to a cable-carrying messenger wire including a body member having a pair of jaws one of which has a transverse groove to receive the messenger wire therein, means connecting the jaws for movement of the jaws apart when placing the clamp on the messenger, a lip on said body member adapted to engage between the messenger and the cable carried thereby, means locking the jaws together when the jaws are engaged with the messenger, and means projecting from one of the jaws to suspend an object from said messenger.

2,410,837

CAST INGOT

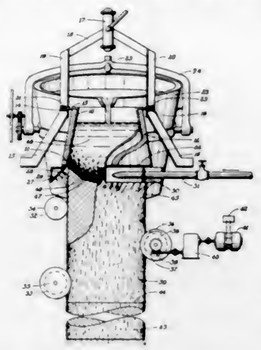
Adolph T. Peters, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application April 17, 1944, Serial No. 531,313

7 Claims. (Cl. 22—200.1)

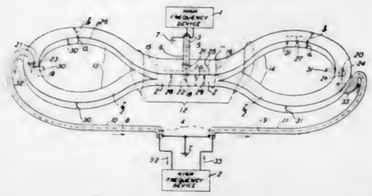
1. The method of casting ingot of alloyed magnesium having a wide freezing range which comprises continuously supplying the molten alloy

to a vertically disposed mold, the inside of said mold sloping inwardly from the bottom, while continuously lowering ingot from below the mold; drenching the sides of the ingot with a coolant so as to carry away heat from the metal supplied to the mold thereby to form a bed of slush therein of liquid metal mixed with solid metal



particles, the lower portion of the bed adjacent to the upper end of the ingot freezing thereto and increasing its length; and regulating the rate of lowering of the ingot so that the unfrozen portion of the slush in contact with the ingot is maintained adjacent to the bottom of the mold forming a seal with the mold preventing leakage of liquid metal therefrom.

2,410,838
COUPLING SYSTEM
Douglas H. Ring, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1942, Serial No. 436,275
18 Claims. (Cl. 178—44)

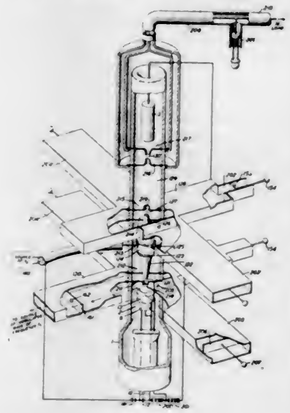


18. In combination, a first line comprising a first ungrounded conductor enclosed in a first outer coaxial grounded conductor, a second line comprising a second ungrounded conductor and a third ungrounded conductor each enclosed, respectively, in a second outer coaxial grounded conductor and a third outer coaxial grounded conductor, means for coupling said lines comprising two rectangular wave guide sections each folded in the plane of its long transverse dimension and having their two apertures super imposed, a connecting rectangular wave guide joining the apertures of one section to the apertures of the other section, said first ungrounded conductor projecting within and along a short transverse dimension of said connecting guide section and said first outer conductor enclosing a portion of said first inner conductor positioned within the connecting guide, said second underground conductor and the associated second outer conductor projecting through one side wall of one folded coupling section, and the third ungrounded conductor and associated third outer conducter projecting through the oppositely related side wall of the other folded wave guide coupling section, and a high frequency device between the ungrounded conductors of the second line.

2,410,839
PRODUCTION OF UNSATURATED HYDROCARBON PRODUCTS
Fritz S. Rostler, Vilma Mehner Wilson, and Hubert I. du Pont, Wilmington, Del., assignors to Wilmington Chemical Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1943, Serial No. 495,778
2 Claims. (Cl. 196—13)

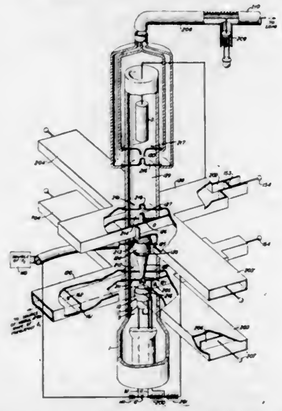
1. A process of separating paraffinic hydrocarbons from solvent extracts of petroleum and from vulcanizable unsaturated hydrocarbon products obtained from petroleum refining residues, said extracts and said products having a boiling range at least as high as lubricating oils, comprising treating such a material with heptane in combination with furfural, heating to a temperature at which all components of the mixture form a substantially complete solution, cooling the mixture thus formed to a temperature at which stratification between the heptane solution of the paraffinic hydrocarbons and the furfural solution of the vulcanizable unsaturated hydrocarbons takes place, settling the mixture, separating the layers and recovering the vulcanizable unsaturated hydrocarbon products from the bottom layer by distilling off the furfural and any heptane present.

2,410,840
ELECTRON BEAM MODULATOR
Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1942, Serial No. 441,937
5 Claims. (Cl. 250—20)



1. In a frequency conversion system employing an electron beam device, a source of modulated waves of carrier frequency f_1, a source of waves of frequency f_2, means for combining waves of frequencies f_1 and f_2 from said respective sources in conjunction with the electron beam to produce charge density variations in said beam with frequency components of f_1 plus and minus f_2 and bearing the said modulations originally carried by the wave of frequency f_1, a resonator selectively responsive to one of the frequencies (f_1+f_2) and (f_1-f_2) in energy exchanging relation with the electron beam to be energized by said electron density variations of the electron beam and in turn to impress electron velocity variations upon said beam, means for converting the compound variations of the electron beam so produced into a second succession of electron density variations, and resonating means tuned to the frequency f_2 in energy exchanging relation with the electron beam to be energized by components of said second succession of electron density variations which carry substantially the original modulation.

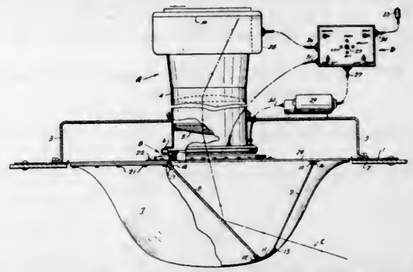
2,410,841
TUNING ARRANGEMENT
Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application May 6, 1942, Serial No. 441,937. Divided and this application October 19, 1942, Serial No. 462,537
1 Claim. (Cl. 178—44)



A tuning arrangement comprising a substantially closed system of resonating chambers containing a main chamber and a communicating branch chamber, said branch chamber being of restricted dimensions to determine for said branch chamber a cut-off frequency close to and somewhat above the resonant frequency of the main chamber, whereby a wave impressed upon said main chamber and substantially resonant therein is attenuated upon entering said branch chamber, and means for tuning said branch chamber to effect a fine tuning adjustment of the system as a whole.

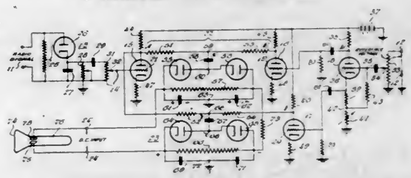
2,410,842
AUTOMATIC TURRET FOR AERIAL CAMERAS
Louis A. Scholz, Dayton, Ohio
Application September 13, 1944, Serial No. 553,849
27 Claims. (Cl. 95—12.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a photographic device, in combination, a camera including a camera body having an electric motor therein and adapted to take successive photographs when said camera motor is energized, and a rotatable mirror whereby the image of an object to be photographed follows a bent optical path to the film plane of said camera from selected directions, electrical means comprising selector switch means operative to control rotation of said mirror relative to said camera body through predeterminable arcs for taking photographs at selected intervals in a 360° traverse, and including a hand switch operative to simultaneously energize said camera motor and stop rotation of said mirror, the arrangement of said



hand switch and said selector switch means being such that said camera motor and said mirror rotating means may be alternately energized for taking photographs at selected intervals within a 360° traverse as determined by said selector switch means or at any point in said 360° traverse by operation of said hand switch.

2,410,843
PHASE SENSITIVE APPARATUS
James E. Shepherd, Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application June 21, 1943, Serial No. 491,623
5 Claims. (Cl. 172—245)



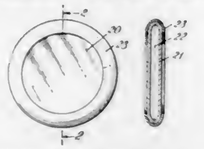
1. A phase-responsive system comprising, in combination, two pairs of input terminals to which two voltages may respectively be applied which are to be compared in phase, an electronic mixer circuit having input connections from said input terminals and an output connection with a rectifier therein, a second electronic mixer circuit with an input connection from one pair of said terminals, and means including a phase inverter for connecting the other pair of said terminals to said second mixer circuit, said second mixer circuit also having an output connection with a rectifier therein, said rectifiers having output terminals to which they are connected in opposition whereby the net output varies in polarity and magnitude in accordance with variations in phase relationship.

2,410,844
METAL PLATING PROCESS
Frank Kerr Signaigo and William Jennings Peppel, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 14, 1942, Serial No. 426,704
1 Claim. (Cl. 117—130)

A process for plating copper onto a ferrous metal surface which comprises contacting said

surface with a heated aqueous solution containing a soluble copper salt of a poly-hydroxythiol, and an acid selected from the group consisting of sulfuric, hydrochloric and phosphoric acids.

2,410,845
TOKEN
William E. Snell, Vineland, and Howard E. Frantz, Jr., and Frank A. Hignutt, Millville, N. J.; said Frantz, Jr., and said Hignutt assignors to said Snell
Application July 20, 1944, Serial No. 545,852
8 Claims. (Cl. 40—27.5)



8. A token which comprises a small, compact body having a sealed cavity defined in part by at least one light transmitting wall, and a quantity of fluorescent material within the cavity, said body being of such size and shape as to adapt it for use in vending and similar apparatus having means for causing the fluorescent material in said cavity to glow.

2,410,846
GASOLINE
Ernest L. Walters, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 6, 1943, Serial No. 478,290
12 Claims. (Cl. 44—74)

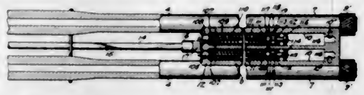
1. A gasoline type motor fuel containing stabilizing amounts of 2,4-dimethyl-6-tertiary butyl phenol and a mononuclear aromatic amine in which the total number of carbon atoms in all alkyl radicals is less than 7.

2,410,847
STABILIZATION OF GASOLINE AND OF ADDITION AGENTS THEREFOR
Ernest L. Walters, East Alton, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 17, 1944, Serial No. 518,663
11 Claims. (Cl. 44—69)

1. A composition comprising gasoline hydrocarbons containing a knock-reducing amount of a mononuclear aromatic amine in which the total number of carbon atoms in all alkyl radicals is less than 7 and a stabilizing amount of a diorthopara polyalkyl phenol in which the para substituent is selected from the group consisting of hydrogen atoms and methyl and ethyl radicals, one ortho radical being selected from the group consisting of primary, secondary and tertiary alkyl radicals, the other ortho radical being selected from the group consisting of primary and secondary alkyl radicals.

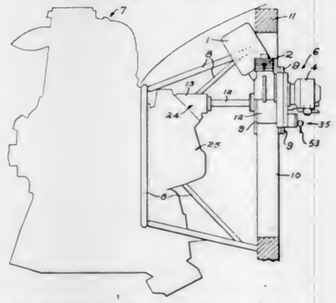
2,410,848
MULTIPLE BARREL MACHINE GUN
Edwin H. Waltke, Los Angeles, Calif.
Application December 15, 1943, Serial No. 514,359
5 Claims. (Cl. 89—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a multi-barrel gas operated gun, a receiver, a plurality of barrels fixed relative to the receiver, a breech block reciprocable in the receiver and common to all of the barrels, a body having gas chambers in communication with the barrels, breech block actuating means, releasable means associated with each chamber for independently locking said breech block actuating



means in inoperative position, and means operated by the gas in each chamber to release each of said locking means and to operate said breech block actuating means, whereby said breech block will be actuated only when gas simultaneously enters all of said chambers.

2,410,849
MULTIDRIVE GEAR BOX
Charles Raymond Waseige, Rueil, France; vested in the Alien Property Custodian
Application May 21, 1942, Serial No. 443,965
In France May 18, 1937
3 Claims. (Cl. 74—389)

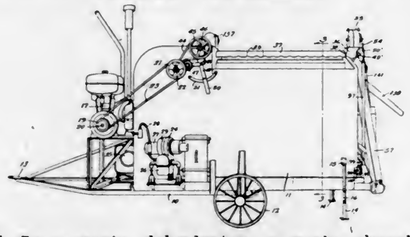


1. In a power plant for a vehicle or the like, said power plant involving an engine having a power take-off and accessories including a generator, high, low, and medium pressure compressors, a vacuum pump, and a hydraulic pump; the improvement of an accessory assembly comprising a casing mounted on the vehicle independently of and at one side of said engine, a main shaft mounted horizontally in said casing, flexible means operatively connecting the engine end of said main shaft with the engine power take-off, said main shaft having a bevel gear and other gearwheels, an inclined portion on the upper part of said casing on which said generator is mounted with a bevel pinion operatively connecting its shaft with the bevel gear on the main shaft, said high and medium pressure compressors mounted on the casing at opposite sides of said main shaft and having pinion shafts meshed with one of said other gearwheels, said low pressure compressor and said hydraulic pump being mounted at opposite sides of said main shaft on a wall of the casing remote from the engine with pinion shafts meshed with one of said other gearwheels, and lubricating means comprising a depressed sump in the lower part of said casing, a gear pump mounted on said remote wall of the casing and drawing lubricant from said sump, said gear pump having a pinion shaft meshed with another of said gearwheels on the main shaft, and lubricant passages leading to the regions of said gearwheels and pinions from the output side of the gear pump.

2,410,850
PROTECTIVE COVERING FOR WELDING RODS
Rene D. Wasserman, New York, N. Y.
No Drawing. Application October 5, 1944, Serial No. 557,379
3 Claims. (Cl. 219—8)

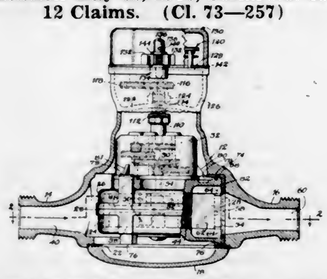
1. A welding or brazing rod comprising a weld material, and a corrosion-resistant metallic film produced by successive strata of metals each having a melting point below 800° F. and selected from the group comprising bismuth, tin, zinc, cadmium, lead and antimony, said film extending at least partially over the circumference and length of said material, the thickness of said metallic film being below .05 inch but sufficient so as to protect the surface of the weld material against the attack of atmospheric influences during storage and without substantially changing the properties of said material, the quantity of said metallic film on said surface being only of such moderate amount as to leave said base metal unaffected when said weld metal is applied thereto.

2,410,851
GRAIN DEHYDRATOR
Albert B. Welty, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 27, 1944, Serial No. 528,254
7 Claims. (Cl. 263—19)



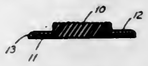
1. In a grain dehydrator, a grain chamber, means for moving grain from the top to the bottom of said chamber, a heating compartment, a furnace within said compartment, a fan for blowing air downwardly over said furnace and up through the grain chamber, and means for utilizing exhaust gases from the furnace to preheat the incoming air, said means comprising coils of enclosed conduits positioned around said fan.

2,410,852
FLUID METER
Alexander R. Whittaker, New York, N. Y., assignor to Rockwell Manufacturing Company, a corporation of Pennsylvania
Application May 22, 1942, Serial No. 444,034
12 Claims. (Cl. 73—257)



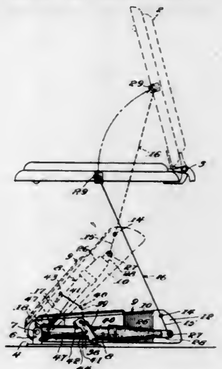
1. A water meter comprising a hollow ferrous body including an openable ferrous frost plate secured to the bottom of said body, a measuring chamber made of a rust-proof metal, top and side contact surfaces in the body for accurate fit and location of the measuring chamber within the body, said contact surfaces being made of soft, rust-proof liners secured to the meter body, and a rust-proof paint coating the body and frost plate except at the faces of said liners which contact the measuring chamber.

2,410,853
SHOE PROTECTOR
William Wood, Jr., Vancouver, British Columbia, Canada
Application September 4, 1945, Serial No. 614,396
7 Claims. (Cl. 36—73)



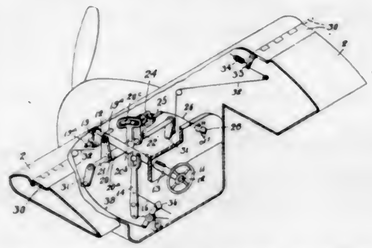
1. A device to be applied to the underside of a shoe to afford protection against wear, comprising a resilient wear-absorbing tread member including a relatively thin marginal portion, and a non-metallic, relatively stiff though readily flexible nailing member adapted to conform itself to the surface of the shoe, adhered to the upper face of said marginal portion, the upper face of said nailing member lying in a plane spaced from that of the wear absorbing face of said tread member whereby said nailing member clears the ground, and being of a material capable of substantially resisting shear by the shanks of the nails when the device is in use.

2,410,854
DEVICE FOR RAISING TOILET SEATS
Bruno P. Zulkoski, Weirton, W. Va.
Application April 2, 1945, Serial No. 586,187
9 Claims. (Cl. 4—251)



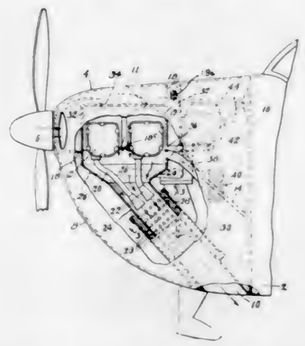
1. Means for raising and lowering toilet seats, comprising a base, a pivoted foot pedal on the base, a pivoted arm on the base having a hollow section and a rod slidable with respect thereto, a piston on the rod operating in the hollow section, a spring on the rod and bearing against the piston and end of the hollow section to normally retract the rod within the hollow section, a lever connected with the toilet seat and with the pedal and rod to raise the toilet seat upon retraction of the rod under the influence of the spring, the pedal adapted to be depressed to lower the toilet seat, and a catch device for holding the pedal in a passive position with the toilet seat down.

2,410,855
SPOILER CONTROL MEANS FOR AIRPLANES
Otto C. Koppen, Newton, Mass.
Application March 15, 1944, Serial No. 526,555
8 Claims. (Cl. 244—42)



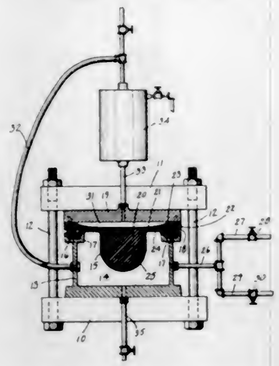
1. A fixed-wing aircraft having, in combination, a body, supporting wings, a pitch-control tail surface, a manually-operated fore and aft movable pitch-control means for said pitch-control surface, said pitch-control means being operative to depress said surface upon a forward movement of said control means and to elevate said surface upon a rearward movement of said control means, a glide-path-controlling spoiler, and spoiler control means including a mechanical connection between said spoiler and said pitch-control means operative to extend the spoiler and steepen the glide-path by a nose-depressing forward movement of said pitch-control means and to retract the spoiler thereby flattening the glide-path by subsequent nose-elevating rearward movement thereof.

2,410,856
AIRPLANE
Otto C. Koppen, Wellesley, Mass.
Application July 15, 1944, Serial No. 545,045
9 Claims. (Cl. 244—53)



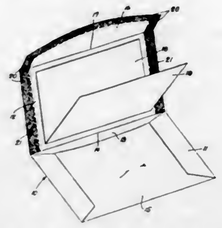
1. A powered aircraft having in combination, a fuselage, a multi-cylinder engine, a substantially continuous envelope providing an enclosure wholly surrounding said engine, said enclosure having an air inlet therein for admission of cooling air to said engine and presenting an aerodynamically clean form merging smoothly with the lines of said fuselage, an inner casing at least partially surrounding the cylinders of said engine, engine-cylinder heat-transfer means including circumferential fins arranged to conduct circumferentially around the cylinders a flow of cooling air received from said air inlet in said enclosure, a jet-pump in said enclosure including at least one nozzle, a jet pump body surrounding said nozzle and providing a substantially direct passage therethrough connected to an outlet open to the outside air, and a jet pump air-inlet, jet-pump connecting means communicating with said inner casing providing a continuation and forming an extension thereof for conducting spent cooling air from said cylinders to said jet-pump inlet, exhaust piping to conduct exhaust gases to jet-pump nozzle, said jet pump being adapted and arranged to induce the flow of cooling air into said enclosure, around said engine cylinders, through said casing and connecting means, and into said jet-pump passage and there mix it with said exhaust gases and together discharge through said outlet, and exposed sound-absorbing means surrounding said jet-pump passage between its inlet and outlet ends whereby both engine exhaust and engine mechanical noises are minimized during their movement through said jet-pump body.

2,410,857
APPARATUS FOR FORMING MATERIALS
William B. Ahern, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application December 30, 1943, Serial No. 516,316
4 Claims. (Cl. 18—19)



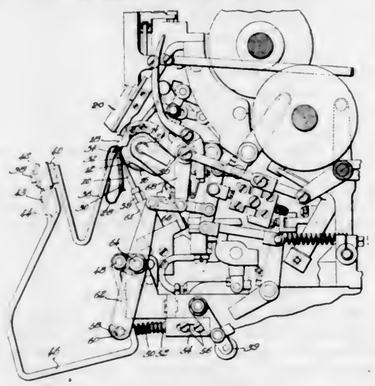
3. Apparatus for forming material involving the application of pressure and heat exchange, including a female contour form of thin metal for rapid heat transmission, a cradle within which said form is supported and sealed to enclose a pressure chamber, a complementary male form extending into said female form with said material therebetween, said male form comprising a plug of compressible resilient material, a flexible and resilient blanket associated with said plug, a chamber cover sealed over said blanket to provide a pressure chamber therebetween, means for securing said chamber cover over said cradle with said forms in material engaging relation, a source of liquid pressure medium communicating with the last mentioned pressure chamber to provide a liquid bath over said blanket, and fluid conduits communicating with said first mentioned pressure chamber and said source of liquid for admitting thereto a heat exchange and pressure medium to exert equalized pressure on said forms to compress the material therebetween and provide for rapid heat exchange through said female form while protecting said blanket and male form from the effect of the heat exchange medium by said liquid.

2,410,858
COMBINED ENVELOPE AND WRITING SHEET
Henry F. Auger, Medford, Mass., assignor of one-half to Lewis H. Peters, Medford, Mass.
Application April 24, 1945, Serial No. 590,057
1 Claim. (Cl. 229—72)



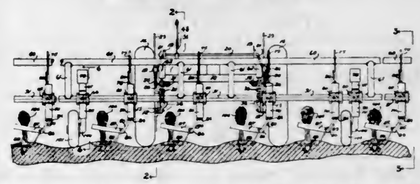
An envelope comprising a blank of paper of a shape adapted to be folded to provide a portion forming a pocket section having inturned side portions, a seal portion and an intermediate portion of substantially the same width and length as the pocket section, said seal portion and said intermediate portion having adhesive strips at their edge portions, and a sheet of paper secured to a face of said intermediate portion and adapted to overlap the inner edges of said inturned side portions and serve as a partial closure for the pocket section and as a reinforcing member for the envelope, said seal portion being adapted to be folded over and seal the open end of said pocket section and said adhesive strips on said intermediate portion being adhered to said inturned side portions to seal the sides of said pocket section when the envelope is closed.

2,410,859
SHOE SEWING MACHINE
Corwin W. Baker, Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 29, 1944, Serial No. 551,669
13 Claims. (Cl. 112—62)



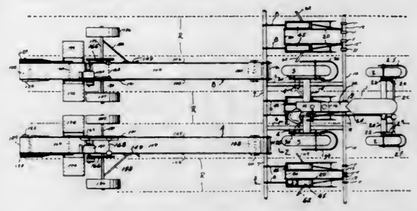
1. A machine for sewing the upper to the sole of a shoe while unsupported on a last, having a relatively thin, wedge-shaped work support to engage a stitch receiving channel in the sole, a presser foot to clamp and release the shoe on the work support, and stitch forming devices including a curved work piercing awl arranged to enter first the channel in the sole and then to emerge from the same side of the sole, and a curved hook needle acting to enter the perforation formed in the sole by the awl, in combination with a horn extending through the ankle opening of the shoe and bearing against the inner surface of the sole and means acting on the horn to urge the sole throughout each sewing cycle yieldingly against the work support and toward the center of curvature of the awl and needle with a uniform pressure.

2,410,860
CELERY CUTTER
Thomas J. Bell, Sarasota, Fla.
Application March 8, 1944, Serial No. 525,481
5 Claims. (Cl. 55—60)



1. In a celery cutter, a boom disposed transversely of a tractor, means pivotally mounting the boom on the tractor, means for moving the boom upwardly on the pivots for lifting the same to inoperative position, or for lowering the same to operative position, a plurality of vertically adjustable cutters disposed on said boom, there being a cutter for each row of celery, a lever and segmental gear for individually adjusting each of the cutters vertically relative to said boom, means connected to a power driven element on the tractor for raising and lowering the boom together with the cutters carried thereby, and vertically adjustable and resiliently mounted ground engaging means mounted on the boom adjacent each end thereof for regulating the position of each end of the boom relative to the ground over which the tractor is traveling.

2,410,861
CELERY HARVESTING APPARATUS
Thomas J. Bell, near Sarasota, Fla.
Application April 8, 1944, Serial No. 530,106
5 Claims. (Cl. 55—9)



1. Celery harvesting apparatus comprising a tractor having front and rear transversely disposed draw bars thereon, a plurality of wheeled frames secured to the front draw bar and having a blade projecting laterally from each side of each frame for cutting adjacent rows of celery, a pair of elongated carriages releasably secured to the rear draw bar and trailing behind the tractor in spaced relation to each other, each carriage having an endless belt thereon for conveying stalks of cut celery which are deposited in side by side relation thereon, means for guiding the stalks of celery through the apparatus, a cutter disposed on each carriage for cutting

the tops from the stalks of celery as they move rearwardly, a plurality of platforms secured on the carriage rearwardly of the cutter for supporting boxes into which the celery stalks are adapted to be placed after they have passed by the cutter to have their tops severed therefrom.

2,410,862
PEST CONTROL
Euclid W. Bousquet, Wilmington, Del., and Hubert G. Guy, Penn Township, Allegheny County, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 16, 1942, Serial No. 426,994
9 Claims. (Cl. 167—22)

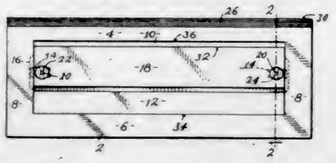
1. An insecticidal and insectifugal composition containing as an essential active ingredient an aryldithiobiuret and a carrier therefor.

2,410,863
ELECTRON DISCHARGE DEVICE
Leonard Francis Broadway, Ickenham, and Cabot Seaton Bull, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application December 29, 1942, Serial No. 470,506
In Great Britain March 5, 1940
2 Claims. (Cl. 250—27.5)



1. An electron discharge device having a cathode for supplying a single beam of electrons along a beam path, said beam of electrons having an elongated rectangular transverse cross-section, a collector for receiving said beam of electrons, and electrode means positioned between the cathode and the collector and including a plurality of pairs of successively positioned ribbon-like elongated narrow electrode elements of conducting material, said conducting elements lying parallel to the longer axis of the beam path, the elements of each pair of electrodes being equal in width and spaced apart transversely of the beam path a distance equal to the width of said elements parallel to the direction of movement of the electrons along the beam path.

2,410,864
DRAFTING INSTRUMENT
Harold Brown, Denver, Colo.
Application May 15, 1944, Serial No. 535,715
2 Claims. (Cl. 33—110)

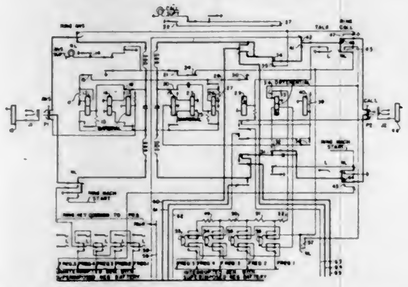


1. A drafting instrument comprising an outer member having a marginal ruling edge and an opening, an inner member slidable in said opening to determine the spacing for cross-hatching or other parallel lines and comprising two elements having reduced overlapping portions slidable on each other whereby the width of the inner member may be adjusted relatively to the opening in the outer member and thereby vary the spacing of the lines, manual means for securing the two elements in adjusted position, and slides on one member projecting into grooves in the companion member to operably hold the members in assembly.

2,410,865
PLASTER COMPOUND
Haughton Brown, Milwaukee, Wis., assignor of fifty-five per cent to Daniel Taylor, Jr., and forty-five per cent to Viola Taylor, both of Milwaukee, Wis.
No Drawing. Application March 9, 1945, Serial No. 581,947
2 Claims. (Cl. 106—109)

1. A plaster compound comprising 96 lbs., embodying a mixture of ingredients, approximately as follows: 60 lbs. silica white sand, 30 lbs. gypsum, 4 lbs. dry powder wheat paste, and 2 lbs. dry beaten paper pulp, all being thoroughly mixed.

2,410,866
TELEPHONE SYSTEM
Karl L. Burgener, Villa Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 17, 1944, Serial No. 531,389
19 Claims. (Cl. 179—84)

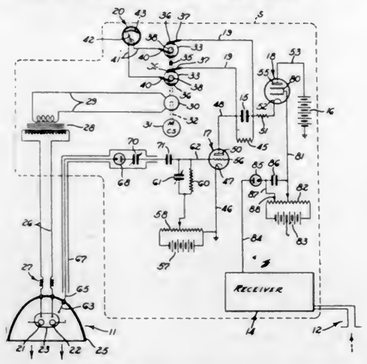


8. In a telephone system, a called party line, means for establishing a connection to said line, a plurality of signalling current sources, a plurality of resistances, a relay, means for selecting the proper source to signal the called substation, for selecting a portion of said plurality of resistances dependent upon the particular source selected, and for operating said relay in series with said selected portion of said resistances to close a signalling circuit including said selected source and the called line, and means controlled by the called substation's response for operating said relay to disconnect said signalling circuit.

2,410,867
FABRIC TREATMENT
Cyril M. Croft and William J. Cramer, Jr., Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 7, 1942, Serial No. 442,070
14 Claims. (Cl. 8—17)

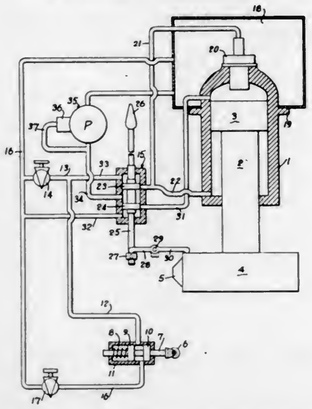
1. Process for the production of crepe effects on fabrics comprising yarns containing filaments of an organic derivative of cellulose which have been crepe twisted while being subjected to the action of a hot aqueous fluid, which comprises treating said fabrics with a hot aqueous creping bath to which has been added a small amount of a lower aliphatic acid.

2,410,868
MEANS AND METHOD FOR ALTITUDE DETERMINATION
Lee de Forest, Los Angeles, Calif.
Application August 23, 1941, Serial No. 408,114
17 Claims. (Cl. 250—1.66)



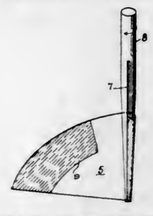
14. A method of determining distance characterized by the use of a condenser, including the steps of: transmitting toward a surface the distance of which is to be measured, a steep front electromagnetic wave train consisting of only a few ultra-high-frequency cycles for reflection back from the surface; initiating flow of current at a predetermined rate to charge said condenser in response to transmission of said wave train; terminating said flow of charging current in response to receipt of the reflection of said wave train; and measuring the resulting condenser charge in terms of said distance.

2,410,869
HYDRAULIC SYSTEM
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware
Application November 12, 1942, Serial No. 465,521
4 Claims. (Cl. 60—52)



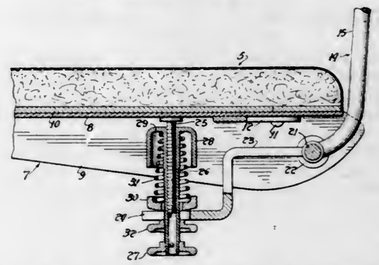
2. In a hydraulic system, a downward acting plunger having advancing and retracting means, a fluid source, a valve member movable into a first position to connect said source with said advancing means while simultaneously connecting said retracting means with a first exhaust conduit or, into a second position to connect said source with said retracting means while connecting said advancing means with a second exhaust conduit or, into a third position to interrupt fluid communication of said source with said advancing and said retracting means, paralleled choke valves in said first exhaust conduit for restricting the exhaust of fluid from said retracting means, normally open valve means between said valve member and one of said choke valves, means automatically responsive to the movement of said plunger during its advancing movement for first closing and thereafter opening said valve means for temporarily slowing down the rate of advancing movement of said plunger, and means operated by said plunger at the end of its retracting movement for moving said valve member into said third position.

2,410,870
ABRASIVE TOOL
Albert Field, Dayton, Ohio
Application August 7, 1944, Serial No. 548,367
2 Claims. (Cl. 51—185)



1. A device of the class described comprising in combination a frusto conical mandrel and an abrasive element comprising a spirally rolled strip of material having abrasive applied to one surface thereof, the material being rolled in a frusto conical form and in unrolled condition being bounded by a pair of angularly disposed straight edges which are subtended by a curvilinear edge, with adhesive applied along said curvilinear edge on the opposite side from said abrasive material, said frusto conical mandrel having a slot and said strip being wound around the frusto conical mandrel with one of its edges disposed in said slot and another edge presenting a steep spiral along the face of the abrasive surface of the wound frusto conical element.

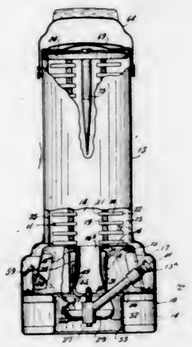
2,410,871
SPRING BACK SUPPORT
Frank D. Fields, Elkhart, Ind., and Torris H. Alfreds, Park Ridge, Ill., assignors to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana
Application March 6, 1944, Serial No. 525,176
10 Claims. (Cl. 155—164)



1. A chair embodying therein seat supporting means, a back rest and a support therefor piv-

otally connected to the seat supporting means for a forward and a backward rocking movement, a member carried by said seat supporting means, means providing a shoulder on said member, an arm rigid with the back rest support and having a portion disposed in operative relation in said member, means surrounding said member between said shoulder and said arm portion for cushioning the movement of said arm in one direction, and means movable longitudinally of said member for limiting the movement of said arm in the other direction.

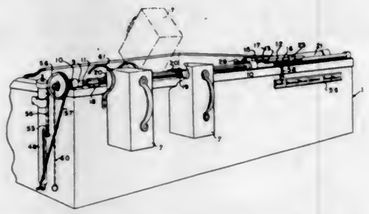
2,410,872
THERMOELECTRIC GENERATOR
Howard J. Findley, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 22, 1943, Serial No. 484,085
5 Claims. (Cl. 136—4)



1. An upright thermoelectric generator comprising, a base upon which the device is adapted to stand, an upright thermopile supported by said base and extending thereabove, fuel burning means on said base and adapted to supply heat to said thermopile, a housing member having a tubular portion surrounding said thermopile and an enlarged lower portion which engages said base when said housing member is in a closed position, said housing member being liftable to an open position in which said enlarged lower portion is spaced above said base to permit an inflow of cool air around the thermopile and said tubular portion forms a stack extending above the thermopile, and means for supporting said housing member in its open position.

2,410,873
INGREDIENT DISPENSING MECHANISM FOR MIXING TANKS
Wallace F. Gayring, Minoa, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application August 21, 1943, Serial No. 499,582
9 Claims. (Cl. 222—70)

1. In an ingredient dispensing mechanism, the combination of a rock shaft, means for rocking the shaft, a plurality of ingredient containers mounted in series adjacent the shaft, selecting means operable to successively couple the containers, one by one, to the rock shaft, whereby a container, when coupled to the rock shaft, rocks therewith to dump its contents, means operable upon each operation to operate the selecting means and rock the rock shaft to dump the selected container, and means operable to return



the rock shaft and containers to their starting position.

2,410,874
KNOCKDOWN TOY
Henry Greenberg, New York, and John J. O'Connell, Jamaica, N. Y., assignors to Norwalk Lock Company, South Norwalk, Conn., a corporation of Connecticut
Application January 11, 1946, Serial No. 640,435
23 Claims. (Cl. 46—29)



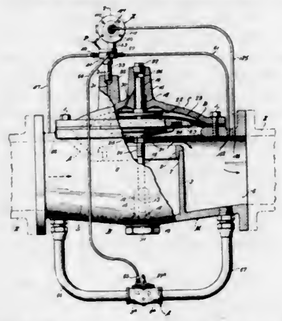
1. In a knockdown toy, brace means, a nipple comprising complementary sections defining a bore for removable reception of said brace means, each of said sections embodying an arcuate slot, spaced members having arcuate track means removably projecting into said slots for guiding displacement of said nipple about said members, and means for clamping said track means against said sections for clamping the latter against said brace means.

2,410,875
KNOCKDOWN TOY
Louis Segal, New York, N. Y.
Application June 14, 1946, Serial No. 676,674
18 Claims. (Cl. 46—29)



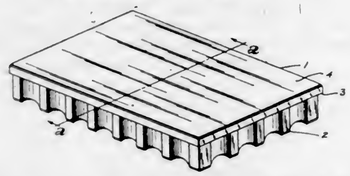
1. In a knockdown toy, brace means, a nipple comprising complementary sections defining a bore for removable reception of said brace means, each of said sections having spaced wings projecting laterally therefrom and provided with spaced and alined slots, spaced members having arcuate track means removably projecting into said slots for guiding arcuate displacement of said nipple about said members, and means for clamping said track means against said wings for clamping said sections against said brace means.

2,410,876
PILOT CONTROLLED PRESSURE REGULATING MEANS
Donald G. Griswold, Alhambra, Calif.
Application May 29, 1943, Serial No. 489,006
14 Claims. (Cl. 50—10)



2. Fluid flow control apparatus comprising: a pair of pressure fluid operable valves; means connecting one of said valves in by-passing relation to the other; pressure responsive means operatively connected with the outlet side of one of said valves and being operable in accordance with changes in pressure on said outlet side; and pilot valve means for controlling the exhaust and supply of operating fluid from and to said pair of valves actuated by said pressure responsive means for controlling the opening and closing of said valves in predetermined order.

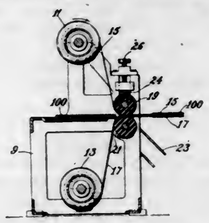
2,410,877
DIMENSION GAUGE
John B. Hall, Wakefield, Mass., assignor of one-half to Frank I. Hardy, Boston, Mass.
Application August 27, 1943, Serial No. 500,269
3 Claims. (Cl. 33—174)



2. A gauge tool comprising a body of igneous rock which includes a multiplicity of very small particles arranged in a definite pattern to constitute a head grain extending continuously from one side of the body to an opposite side along a definite axis, said tool presenting a gauging surface which is defined by a plane cutting perpendicularly across the said axis and intersecting two other sides of the body.

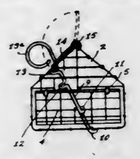
2,410,878
ART OF TEMPORARILY COVERING ARTICLES
Valentine F. Harrington, Newton, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application September 16, 1943, Serial No. 502,646
4 Claims. (Cl. 12—142)

1. The method of providing the closed upper of a shoe with a temporary protective cover, which comprises folding the upper in such manner that the display surface of the upper is exposed, pressing upon each side of the folded upper sheet material having firmly bonded to one side thereof a coating, with the coating between



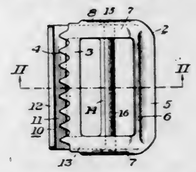
said material and the adjacent display side of the upper, and subsequently severing the sheet material in proximity to the edges of the folded upper.

2,410,879
ANIMAL CAGE
William Hegener, Sarasota, Fla.
Application January 1, 1945, Serial No. 570,827
11 Claims. (Cl. 119—17)



1. An animal cage provided with a swinging hinged gate and a combined lifting and locking lever connected to said gate, to lift the same for ingress and egress of the animal therefrom, said lever projecting upwardly from the gate to a point outside the cage near the roof, and provided with a locking device thereon by which it may be hooked into a part of the cage, to press down upon the gate and hold it tightly against opening, and with a second locking device by which it alternatively may be hooked into the cage-body to hold said gate lifted and open.

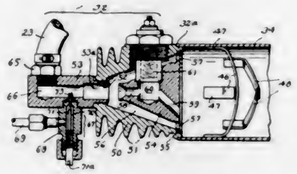
2,410,880
METAL BUCKLE
Carl R. Hennicke, Cleveland, Ohio, assignor to The Eastern Malleable Iron Company, Naugatuck, Conn., a corporation of Connecticut
Application March 10, 1943, Serial No. 478,624
1 Claim. (Cl. 24—188)



A web strap buckle comprising a frame having a serrated forward edge, ears extending perpendicularly from the frame at each side thereof, the said ears being oppositely disposed and having a recess therein, and a tongue member for the buckle including a front bar with an upstanding lip thereon, side bars, and a rear cross bar longer than the front bar and projecting there-beyond on both sides thereof, the said rear bar having its ends received in the recesses of the said ears, the ends of the rear bar thereby forming trunnions for turnably mounting the tongue mem-

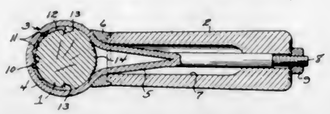
ber relatively to the said buckle frame, the said rear bar being adapted to define an anchor for a strap adapted to be secured by the buckle, the said rear bar being reinforced by being rolled over on itself throughout its entire length, including the said end trunnions thereby being highly resistant to deformation under pressure exerted thereon through the strap during securing of the said strap.

2,410,881
HEATING APPARATUS
Robert H. Hunter, Cleveland, Ohio
Application July 29, 1942, Serial No. 452,712
7 Claims. (Cl. 158—28)



1. In combination with an injector gun having air and fuel inlet means arranged for atomizing fuel, said gun having a discharge orifice, means forming a distribution chamber in general alignment with the injector discharge orifice for receiving mixed fuel and air therefrom, said means having a discharge jet, an igniiton duct having an inlet in direct alignment with said injector discharge orifice and an outlet directed laterally of the axis of said jet, and means for igniting mixed fuel and air between the effective ends of said duct.

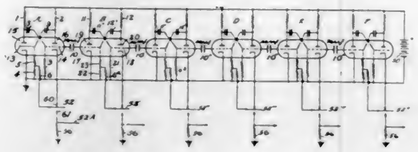
2,410,882
SURE GRIP SCYTHE HANDLE
Gail A. Lansden, Woodburn, Oreg.
Application December 26, 1944, Serial No. 569,900
2 Claims. (Cl. 287—54)



1. Means for positively holding a handle on a snath, said handle being of the type having a loop and split shank, and a wedging ferrule, including a lug on the inside of the loop, at a point diametrically opposed to said split shank, a seat formed in said snath, a semi-circular band positioned in the seat in the snath, said band having a series of indentations uniformly spaced apart and aligned to selectively receive the lug, said indentations being formed on the outer surface of said band and inturned points on the inner side ends of said band at right angles thereto adapted to engage said snath for attaching the band on the snath.

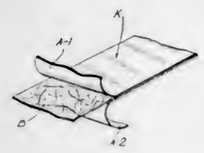
2,410,883
FREQUENCY GENERATING SYSTEM
Merwin J. Larsen, Carl S. Schjonberg, and James A. Oswald, Houghton, Mich., assignors to Central Commercial Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1943, Serial No. 502,762
6 Claims. (Cl. 250—36)

1. In a submultiple frequency generating system, multivibrator stages connected in cascade and comprising duo-triode vacuum tubes each having cathode, control grid, and plate electrodes, with grid circuits extending between said cathodes and control grids and plate circuits connected between said cathodes and plate electrodes including a first stage operating at a given audio frequency and other stages each adapted to be locked to operate at a frequency which is a submultiple of said given frequency, each of said stages having an output circuit including a low resistance path in the grid circuit of one triode of said stage, a high resistance path in the grid circuit of the other triode thereof, a keying circuit



including a movable contactor and coacting fixed contacts associated therewith, one of said fixed contacts being connected with the cathode of one of said triodes, and the other of said fixed contacts being connected to a work circuit, said movable contactor being connected with an intermediate point in the low resistance path in said first-mentioned grid circuit, and a condenser coupling said stage to the next succeeding stage in said cascade, the coupling condensers between the different stages being substantially of the same small capacity with respect to the capacity of the grid circuits of the stages being locked.

2,410,884
COMPOSITE FABRIC
Beardsley Lawrence, Jr., Huntington, W. Va., assignor to Utility Fabrics Company, Inc., Huntington, W. Va., a corporation of Massachusetts
Application January 26, 1943, Serial No. 473,633
4 Claims. (Cl. 154—46)

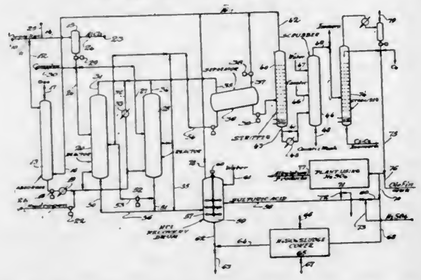


1. A composite fabric comprising an open texture web of heterogeneously distributed strands saturated with and bonded together at the intersections thereof by a thermoplastic binder and another web of loosely arranged unspun long fibers that are bonded together by a non-thermoplastic binder that is non-compatible with said thermoplastic binder, and that are bonded to the strands of said first web to form an integral tough sheet, said strands of said first web being of substantially greater tensile strength than the fibers of said second web, and the fibers of said second web being arranged in closer texture than the strands of said first web and preserving the structural integrity and strength of said first web, and said strands being of larger diameter than said fibers.

2,410,885
CONDENSATION PRODUCTS AND METHODS OF PREPARING AND USING SAME
Eugene Lieber, West New Brighton, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 25, 1943, Serial No. 480,563
9 Claims. (Cl. 252—59)

8. A composition comprising a major proportion of a waxy mineral lubricating oil and a small but pour depressing amount of a high molecular weight product substantially non-volatile up to about 600° F. under reduced pressure, soluble in waxy mineral lubricating oil and having the property of depressing the pour point thereof when added thereto in small amounts, said product being a Friedel-Crafts recondensation product of only the high molecular weight oil-soluble pour depressing fraction substantially non-volatile up to about 600° F. under reduced pressure of an initial Friedel-Crafts condensation product of a long chain aliphatic compound containing a reactive group selected from halogen atoms and olefin bonds, said recondensation product having better pour depressing properties than said initial condensation product.

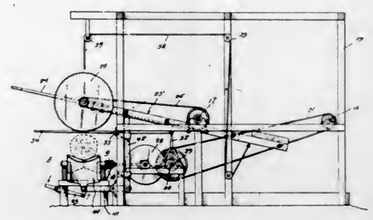
2,410,886
ALUMINUM CHLORIDE CONVERSION SYSTEM
Arthur P. Lien, Whiting, Ind., and Edmond L. d'Ouville, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 15, 1941, Serial No. 422,985
14 Claims. (Cl. 260—683.5)



11. In a hydrocarbon conversion process wherein paraffinic hydrocarbons boiling in the butane to hexane boiling range are contacted with an aluminum chloride catalyst and added hydrogen chloride in a contacting zone under conversion conditions and wherein an aluminum chloride-hydrocarbon complex is thereby obtained, the method of operation which comprises withdrawing said complex from said contacting zone to a treating zone, treating said complex in said treating zone with an amount of 50% to 100% sulfuric acid sufficient to liberate a large amount of hydrogen chloride therefrom and introducing said liberated hydrogen chloride into said contacting zone.

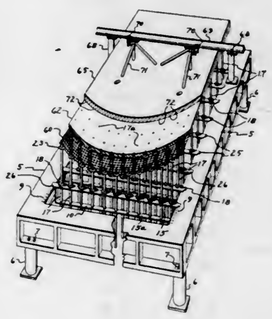
2,410,887
SAWMILL
Henry G. Locke, Jasper, Ala.
Application October 26, 1943, Serial No. 507,692
1 Claim. (Cl. 143—55)

In a saw mill, a conveyor construction including a horizontal portion and an inclined portion connecting therewith, feed rollers journaled on the horizontal portion of the conveyor, a shaft geared to said rollers, an endless type conveyor mechanism carried by the inclined portion of the conveyor, a frame located adjacent the conveyor and extending laterally therefrom, a power shaft journaled on said frame, means for connecting and disconnecting the power shaft to the first named shaft, means for connecting the endless type conveyor mechanism to the power shaft, a saw frame journaled for pivotal movement on said power shaft, a saw on the saw frame, a drive



means between the saw and the power shaft, counter balance means for the saw frame, and a vertically slidable log stop for controlling the movement of a log by the rollers and operated by the pivotal movement of the saw frame, and means comprising a lifting block located in the conveyor and in advance of the saw for exerting an upward pressure on a portion of the log when acted on by the saw and operated by the pivotal movement of the saw frame, in combination with a foot lever connected to said lifting block to augment the upward pressure on the log.

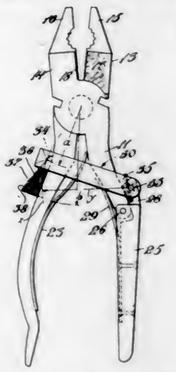
2,410,888
METHOD AND APPARATUS FOR MOLDING THREE-DIMENSIONAL SHAPES FROM DRAWINGS
Otto H. Lucy, Los Angeles, Calif., assignor to Murray-Lucy-Marvosh Company, Pasadena, Calif., a partnership
Application March 31, 1944, Serial No. 529,033
17 Claims. (Cl. 25—118)



1. Apparatus for forming shapes comprising, in combination, a plurality of pins adapted to have their adjacent ends adjusted into positions coordinate with a contour line of a drawing whereby collectively to define the contour of said line, setting means for so adjusting said pins, pin-retaining means securing the pins in assembly in said adjusted position and a matrix made of sheet material formed to a shape substantially

conforming to the contour line defined by said adjacent ends of the pins, the pin ends being positioned to project above an upper surface portion of the matrix surrounding the pin ends.

2,410,889
TOOL
Rene Martines, Cranston, R. I.
Application October 16, 1943, Serial No. 506,575
7 Claims. (Cl. 81—46)

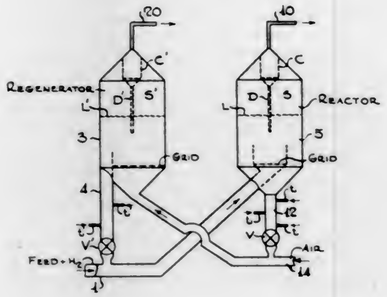


1. In a device of the class described, a pair of members having work engaging jaws at one end thereof, means connecting said members together for movement toward and from each other, one of said members being shorter than the other member, a lever, a pivot mounting said lever intermediate its ends on the shorter member and extending from the shorter member into opposed relation with the longer member to form a hand grip on one side of the pivot and a power arm on the other side of the pivot, resilient means engaging the lever and shorter member and holding said lever so as to move as one with the shorter member until a predetermined resistance is met whereupon the lever will then swing on its pivot, means for transmitting movement of said lever about its pivot to said longer member including a link extending between said power arm and longer member and pivoted to one of them and including means having steps fixed to the other of them and so arranged that said link will engage one of said steps for transmitting movement from said arm to said longer member.

2,410,890
METHOD OF PRODUCING CATALYST
Ralph Burgess Mason, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 15, 1944, Serial No. 540,549
1 Claim. (Cl. 252—254)

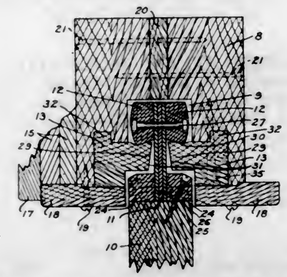
The method of forming a catalyst suitable for promoting the reduction of nitro aromatic compounds which comprises mixing about 17 parts of MgO with 30 parts of ZnO, and 53 parts of MoO_3, adding sufficient water to make a paste, drying the paste at about 250° F., extruding the paste to form shaped bodies, and thereafter sulfiding the catalyst by treating it with a volatile sulfide at temperatures within the range of from 850° F. to 900° F. at one atmosphere pressure until the catalyst acquires from about 15–25 weight per cent of sulfur.

2,410,891
PROCESS FOR IMPROVING NAPHTHA
Richard N. Meinert, Westfield, and Philetus H. Holt, 2nd, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 8, 1944, Serial No. 567,278
3 Claims. (Cl. 196—50)



1. A continuous method for reforming naphthas which comprises charging a mixture of a hydrogen-containing gas and a petroleum naphtha to a reaction zone containing a lower dense phase suspension and an upper dilute phase suspension of powdered catalyst in gasiform reactants comprising the naphtha undergoing reforming, the said catalyst consisting essentially of a zinc spinel carrier supporting one of the class of group VI oxides consisting of molybdenum oxide and chromium oxide, maintaining a temperature of from 850 to 1100° F. and a pressure of from about 15–50 pounds per square inch within said reaction zone, permitting the reactants to remain resident in the reaction for a sufficient period of time to effect the desired conversion, continuously withdrawing a reformed naphtha from an upper portion of said reaction zone, continuously withdrawing the catalyst fouled during the reaction from said reaction zone at a lower point thereof, mixing said withdrawn catalyst with an oxygen-containing gas and conducting it to a regeneration zone where it is formed into a lower dense phase suspension and an upper dilute phase suspension of said powdered catalyst in said oxygen-containing gas, permitting the catalyst to remain resident in the regeneration zone for a sufficient period of time to effect the desired regeneration, continuously withdrawing catalyst from a lower portion of said regeneration zone, returning said regenerated catalyst directly to the reaction zone and maintaining the reaction zone at reaction temperatures without employing extraneous utilities by increasing the amount of hydrogen fed to the reaction zone as the temperature therein tends to rise and, conversely, decreasing the amount of hydrogen fed to the reaction zone as the temperature therein tends to recede, thus forming that amount of carbonaceous material on the catalyst during the reaction so that when the catalyst is regenerated in the regeneration zone, the heat released and absorbed by the catalyst is adapted to maintain the reaction zone at the desired temperature when the regenerated catalyst is returned to the reaction zone.

2,410,892
SLIDING DOOR
Otto H. Merz, Wauwatosa, Wis.; Marine National Exchange Bank of Milwaukee executor of said Otto H. Merz, deceased
Application August 14, 1944, Serial No. 549,371
3 Claims. (Cl. 16—93)



1. A sliding door hanger comprising, a horizontally elongated upright suspension plate extending substantially throughout the width of the door panel and being disposed centrally of the panel, attaching strips secured to the opposite sides of the lower plate portion for effecting attachment thereof to the door panel, horizontally elongated slides secured to the opposite sides of the upper plate portion and also extending substantially throughout the width of the door panel, and an elongated stationary guide projecting beneath each of said slides toward and in close proximity to the opposite sides of the medial portion of said plate, each of said guides having a slight guide groove extending throughout its length and each of said slides being provided with a longitudinal depending ridge having substantially line contact only with the adjacent guide groove.

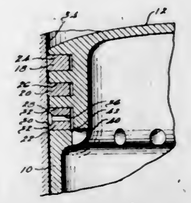
2,410,893
ALKYL ETHERS OF VITAMIN D
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 8, 1940, Serial No. 317,967
2 Claims. (Cl. 260—397.2)

1. As a new product an alkyl ether of vitamin D.

2,410,894
ISOMERIZATION OF NORMAL BUTANE TO ISOBUTANE
Charles W. Montgomery, Aspinwall, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application January 17, 1940, Serial No. 314,319
2 Claims. (Cl. 260—683.5)

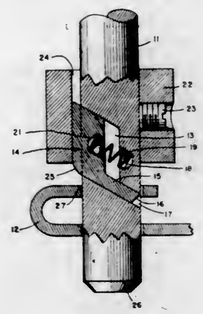
1. An improved process of producing isobutane from normal butane which comprises contacting normal butane vapor at a temperature between about 20° C. and about 150° C. with a solution of an aluminum halide catalyst in a liquid which does not form stable addition complexes with aluminum halides and does not react with aluminum halides to produce undesirable by-products, maintaining a ratio of aluminum halide in solution to normal butane greater than the ratio of aluminum halide to normal butane in a saturated solution of the aluminum halide in liquid normal butane at the contacting temperature, and maintaining a time of contact sufficient to produce substantial isomerization without substantial cracking.

2,410,895
PISTON
George L. Nampa, Royal Oak, Mich., assignor to Mathew E. Nampa, Detroit, Mich.
Application December 6, 1944, Serial No. 566,811
4 Claims. (Cl. 309—8)



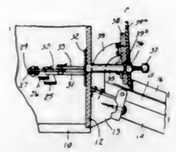
1. A piston for an internal combustion engine having a circumferentially extending groove formed therein for reception of an oil scraper ring and having a plurality of openings leading from the radially inner end of said groove to the interior surface of said piston, said openings substantially increasing in cross-sectional area from approximately their point of connection with said ring groove to approximately their point of connection with the inner surface of said piston.

2,410,896
METAL CUTTING TOOL
Carl E. Nordstrom, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 29, 1945, Serial No. 575,137
1 Claim. (Cl. 77—73.5)



In a burring tool, a rotatable cutter-carrying member comprising a shank adapted to be inserted through a hole in the work, a retractable cutter reciprocably mounted in a slot in said shank, said cutter provided with a cam contour, a collar adjustably carried on said shank and grooved to receive said cutter in retracted position, and spring means for yieldably retaining said cutter in said groove between said shank and said collar, said spring means thereby normally acting to retract said cutter and urge it against said collar, whereby upon the cooperation of said cam contour with said work when the tool is forced into cutting position said cutter is automatically ejected by the camming action between said cam contour and said work.

2,410,897
ACCORDION TREBLE SHIFT MECHANISM
Erwin C. Osenberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application March 2, 1944, Serial No. 524,663
6 Claims. (Cl. 84—376)



1. In an accordion, a piano type keybed having a plurality of piano keys, a treble reed box, a valve plate mounted thereon, a reed block in said box, a sliding valve associated with said block slidable into open or closed position, a rocker arm pivotally mounted on said valve plate, an operative connection between said rocker arm and valve, and a pair of push buttons extending through said valve plate and slidably mounted therein, said push buttons being connected to opposite ends of said rocker arm in opposed relation for rocking said arm to move said valve to one position upon one of said push buttons being actuated and to the opposition position upon the other of said push buttons being actuated.

2,410,898
METHOD OF TREATING FUR
Attilio Pierini, Springfield Gardens, N. Y.
No Drawing. Application February 18, 1946, Serial No. 648,553
5 Claims. (Cl. 69—22)

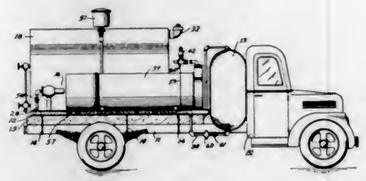
1. A method of treating fur on a pelt which includes combing the same in the presence of moisture and heat and in an atmosphere of helium.

2,410,899
MICROPHONE HANDLE
Harold C. Pye, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 25, 1944, Serial No. 537,335
6 Claims. (Cl. 179—146)



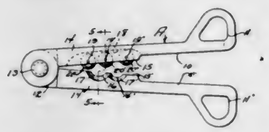
6. In combination, a noise cancelling microphone, a handle for supporting said microphone having a projecting neck with a recess therein and with projections on either side of the recess to space the same from the lips of the user, a spring clip in the recess for removably holding the microphone between the projections and over the recess, said microphone held with a portion thereof projecting out from the neck of the handle so that both sides thereof are exposed to noise vibrations.

2,410,900
MOBILE STEAM GENERATOR
Raymond B. Radbill, Moylan, Pa.
Application March 6, 1945, Serial No. 581,278
2 Claims. (Cl. 122—504.1)



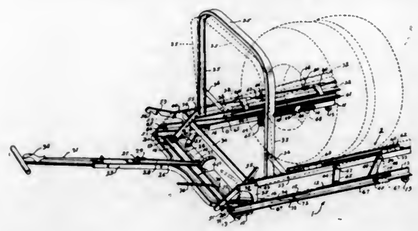
2. In a mobile steam generator adapted for mounting on an auto truck or the like, an oil burner, a fuel line leading to said oil burner, a heating unit disposed in operative juxtaposition to said oil burner and including a combustion chamber and an elongated heat-transfer chamber communicating with said combustion chamber, a closed coil system disposed within said heat-transfer chamber, said coil system including a relatively long outer coil, a shorter coil disposed generally coaxially within said outer coil and spaced substantially radially therefrom and a series of innermost generally axially-extending superheating tubes, means for forcing water through said outer coil, said inner coil and said innermost tubes successively, said water being converted to superheated steam therewithin, a steam delivery line leading from said coil system and having a safety valve adapted to relieve excessive steam pressure, an automatic shut-off valve operatively connected with said fuel line, and means for closing said shut-off valve upon overheating of said coil system.

2,410,901
VIAL OPENING DEVICE
Jesse J. Ramsey, Cairo, Ill.
Application December 11, 1944, Serial No. 567,639
2 Claims. (Cl. 49—52)



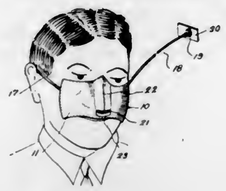
1. A device of the kind described, comprising a pair of pivotally connected opposed lever-handles, finger grips at the outer ends of said lever handles, raised straight jaws formed on the inner surfaces of said lever handles adjacent their pivotal connection, one of said straight jaws having an inside notched face and the other straight jaw having a channeled face, respectively, and rotatable cutting disks fitting the channeled straight jaw in confronting relation to the notched straight jaw.

2,410,902
VEHICLE WHEEL CARRIER
John W. Roberts, Oklahoma City, Okla.
Application April 5, 1945, Serial No. 586,661
7 Claims. (Cl. 214—65)



1. Trucking equipment for handling vehicle wheels and tires, including: a wheeled chassis having parallel rearwardly extending horizontal side members rigidly connected together at their front ends; a similarly shaped body; a plurality of spaced sturdy body supporting links, each having one end pivotally connected to the chassis on a horizontal axis, and its other end similarly connected to the body; a draft-tongue having one end pivotally connected to the chassis, whereby its other end may be swung upwardly and downwardly in an arcuate path disposed longitudinally with relation to the chassis; releasable connections between the tongue and the body whereby forward and downward movement of the free end of the tongue causes the body to move upwardly and forwardly on said links; and means for locking the tongue in various positions of vertical adjustment, for holding the body rigidly positioned with relation to the chassis.

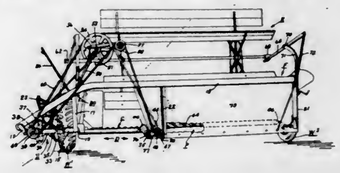
2,410,903
HEATED NASAL INHALER
Marion Ann Rogge, Detroit, Mich.
Application October 1, 1943, Serial No. 504,617
1 Claim. (Cl. 128—399)



A structure of the class described comprising a pad for application to the head below the eyes, the pad consisting of a plurality of layers of flexible material and including electrical heating means therein, said pad having a longitudinal split above its lower edge disposable directly beneath the nose to enable normal breathing, said pad above the split having a fullness whereby it will fit the nose externally, the electrical heating means being flexible and extending across the fullness to aid in shaping the latter, a flexible cover over the heating means interiorly of and fixed to the fullness also aiding in shaping the latter, and a pouch on the pad between its lower edge and said split for the retention and confinement of medicaments to be affected by the heat and inhaled during normal breathing.

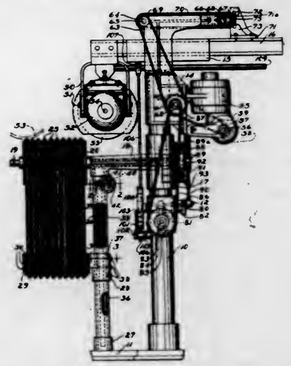
2,410,904
WINDROWER
Paul R. Schroeppel, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application July 24, 1942, Serial No. 452,181
2 Claims. (Cl. 56—23)

1. A windrower having a frame generally transverse to the direction of movement thereof, a drive wheel at one end of the frame, a platform supported from the frame and spaced from the drive wheel to provide an opening for depositing a windrow, a conveyor on the platform for feeding cut crop to the opening, said frame including a portion extending about the drive wheel in a substantially horizontal plane, a sickle extending from said portion across the machine at the front thereof, said frame comprising a tubular



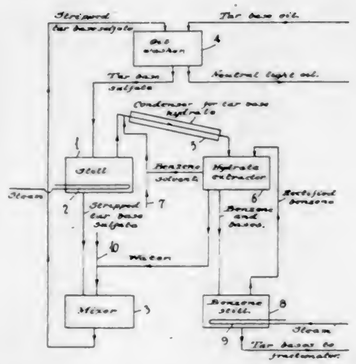
member extending across the machine at a level above said sickle, an upstanding wall between said wheel and said opening, and said tubular member being united with said wall and bending down behind said wheel and being united with said aforementioned portion, a draw bar pivoted to said aforementioned portion and means for adjusting the angular relation between said frame portion and said draw bar.

2,410,905
APPARATUS FOR SLITTING ENDLESS BANDS
Frank Slusher, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 30, 1945, Serial No. 607,801
4 Claims. (Cl. 164—76)



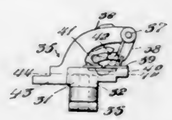
1. Apparatus for cutting lateral slits in an endless flexible band, said apparatus comprising a rotatable supporting drum, means for tensioning a band about a surface of said drum, means for rotating said drum to advance the band step by step, reciprocating means movable across the face of said drum between movements of the drum for cutting slits in the band, said reciprocating means including a cutter engageable with said band during movement in one direction, and means for lifting said cutter to clear the band during movement in the opposite direction.

2,410,906
METHODS OF RECOVERING PYRIDINE BASES
Hubert L. Stewart, Edgewood, Pa., assignor to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application March 29, 1941, Serial No. 385,935
5 Claims. (Cl. 260—290)



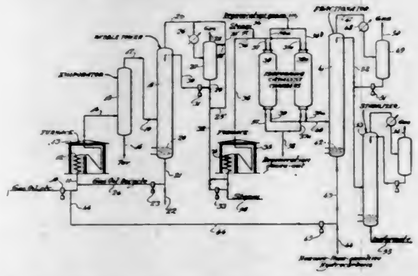
1. In a process of recovering pyridine from hydrocarbon oil containing it by means of mineral acid of relatively low volatility, a combination of steps consisting of the following in progressive succession, as enumerated: (1) contacting said oil and an aqueous solution of said mineral acid selected from a group consisting of sulphuric acid and phosphoric acid of about 20 to 30% concentration to convert the pyridine to pyridine salt of said acid, (2) removing the resulting pyridine salt in said aqueous solution from the oil, (3) heating the separated aqueous solution of pyridine salt to distill off free pyridine and to leave a mineral acid residue, and (4) introducing in liquid form substantially water-insoluble volatile solvent for pyridine into vapors resulting in the course of distillation in step 3, to thereby separate pyridine from the vapors.

2,410,907
TENTER CHAIN LINK
Lyman Charles Stowell, Oaklawn, R. I.
Application September 29, 1944, Serial No. 556,381
3 Claims. (Cl. 26—62)



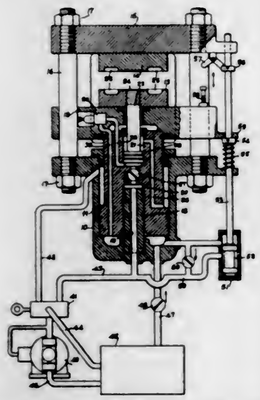
1. A tenter link comprising a lower body portion having integral spaced arms at one end and tongue at the other end to extend into the space between the arms of an adjacent link to provide a chain and a clip superimposed on said body and of the same piece of material as the body and having an overhanging arm to pivotally mount a gripping jaw, said body having its lower portion hardened to a height above said arms and tongue to provide a hard wearing surface for the chain portion of said link while leaving the overhanging arm bendable for adjustment.

2,410,908
ISOFORMING
Ernest W. Thiele, George E. Schmitkons, and Carl Max Hull, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 3, 1940, Serial No. 350,270
17 Claims. (Cl. 196—50)



1. A method of producing high octane number motor fuel from charging stock of the class consisting essentially of gas oil and heavier hydrocarbons which comprises thermally and non-catalytically cracking said charging stock to produce a thermally cracked naphtha having an end point below about 450° F. together with lighter and heavier products, removing the heavier products from the thermally cracked naphtha, heating the thermally cracked naphtha to a temperature of about 850° F. to 1100° F., contacting the heated thermally cracked naphtha with an isoforming catalyst at such space velocity within the approximate range of 4 to 40 volumes of naphtha (liquid basis) per volume of catalyst space per hour that a volume percent liquid yield within the approximate range of 94 to 99 and an octane number improvement of at least about 5 A. S. T. M. octane number units are obtained.

2,410,909
UPWARD ACTING MOLDING PRESS
Warren R. Tucker, Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application April 28, 1944, Serial No. 533,105
4 Claims. (Cl. 18—30)



3. The combination in a molding press having a stationary platen and a movable platen; of a double acting ram connected with said movable platen for clamping mold halves together; central axial bores extending into said ram from opposite ends thereof; a booster plunger extending into one of said bores; a double acting injection plunger reciprocable in the other of said bores and extending through said movable platen, a fluid source to supply actuating fluid to said booster plunger for rapidly closing said mold halves and to one side of said clamping ram for maintaining said mold clamped together said ram having a first passage connecting one side of the same to one side of said injection plunger; a second passage in said ram connecting its other side to the other side of said injection plunger; pressure responsive means in said second passage; a third passage extending through said booster plunger and said ram to said other side of said injection plunger; and a check valve in said third passage, said source being connected to said passages.

2,410,910
MATERIAL FOR PROVIDING TRACTION
Bertrand H. Wait, New Rochelle, N. Y.
No Drawing. Application March 27, 1944, Serial No. 528,367
2 Claims. (Cl. 117—100)

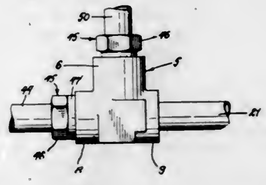
1. The method of forming a material for providing traction on icy pavements which comprises impregnating a hard, porous water-insoluble substance in the form of discrete particles with sodium chloride by treating said particles in a solution of said salt, drying said particles to effect at least a partial recrystallization of said salt, and thereafter spraying said particles with a solution of calcium chloride.

2,410,911
PROCESS OF PREPARING A LUBRICATING OIL SOLUTION OF A CONDENSED ORGANIC AMINO COMPOUND
Jones I. Wasson, Union, N. J., and Warren M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 22, 1943, Serial No. 515,288
3 Claims. (Cl. 252—51.5)

1. The process of preparing a lubricating oil solution of a resin which comprises reacting a phenol containing an alkyl side chain of five to eight carbon atoms and at least one replaceable hydrogen atom in its nucleus with hexamethylenetetramine in the presence of a solvent consisting essentially of a mineral oil of the lubricating oil range at a temperature of about 110° to about 150° C. for a period of about 4 to about 20 hours until about 10 to about 75% of the original nitrogen content of the reactants is eliminated.

2,410,912
HEAT EXCHANGER
Edward A. Wenk, New York, N. Y., assignor to The Keystone Manufacturing Co., Buffalo, N. Y., a corporation of New York
Application May 2, 1944, Serial No. 533,706
9 Claims. (Cl. 285—22)

1. A heat exchanger, comprising a pair of tubes of different diameters fitted coaxially one within the other and each having its opposite ends flared, a T fitting at the opposite ends of said pair of tubes and each having one leg provided with a bore receiving the corresponding ends of said tubes, means providing a sealed joint between the larger of said tubes and the surrounding bore of said one leg of each of said fittings, means within said bore of each of said fittings and establishing communication between the interior of said larger tube and a second of said legs, said bore extending through the third of said legs, and means within said bore of each of said fittings and establishing sealed communication between the interior of the smaller of said tubes and said third of said legs.



2,410,913
METHOD AND TOOL FOR PRODUCING FACE CLUTCHES
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application May 8, 1942, Serial No. 442,210
31 Claims. (Cl. 90—9)



1. The method of cutting the tooth surfaces of a face clutch member which comprises employing a rotary disc cutter having a plurality of cutting blades arranged in two groups around its periphery with a gap between the last and first blades of each group, the two groups containing blades which are shaped to cut opposite sides of the tooth spaces of the work, rotating said cutter in engagement with the work and effecting a relative feed movement between the cutter and the work in time with the cutter rotation while each group of blades is in operation, and indexing the work half a pitch each time after a group of blades has taken its cut.

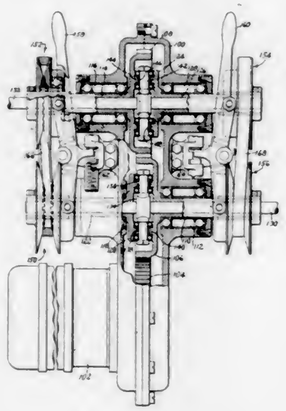
10. A rotary disc cutter having a plurality of radially disposed cutting blades arranged in two groups around the periphery of the cutter with a gap between the last blade of each group and the first blade of the other group, the blades of the two groups lying, respectively, at opposite sides of a plane of rotation perpendicular to the axis of the cutter.

2,410,914
ORNAMENT FOR EARS
Hoke S. Williams, St. Petersburg, Fla.
Application January 31, 1945, Serial No. 575,376
6 Claims. (Cl. 63—14)



1. An ear ornament, comprising a carrier frame shaped to fit into and be supported by indentations in the anatomy of the ear.

2,410,915
REVERSIBLE AND VARIABLE-SPEED MECHANISM
Herbert J. Willmott, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 19, 1944, Serial No. 518,893
7 Claims. (Cl. 74—286)

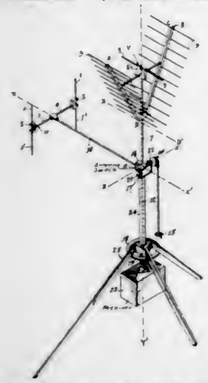


1. A variable speed transmission including a housing with motor attached thereto, a pair of meshed gears coupled to said motor, a bevel gear coaxial with one of the meshed gears, the said three gears being journaled within the housing, a V-type variable diameter pulley speed drive directly connecting the other of said meshed gears with a sleeve attached to said bevel gear, the arrangement being such that the coaxial gears are adapted to be rotated in opposite directions, a power output shaft journaled in the housing and in the sleeve, differential gearing means including a spider and an annular bevel gear on the one of the meshed gears mounted between the coaxial gears for driving the said power output shaft, and a single controller lever for the variable speed drive biased to a desired setting for the variable speed drive.

2,410,916
METHOD OF PRODUCING ZINC YELLOW
Edwin A. Wilson, Rutherford, and William D. Newman, Elizabeth, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 27, 1941, Serial No. 395,368
5 Claims. (Cl. 23—56)

1. The method of making zinc yellow which comprises preparing a solution of a soluble zinc salt, preparing a second solution containing chromate ions, and a third solution containing hydroxyl ions, one of the solutions containing potassium ions, in the ratio of at least 0.5 molar equivalent of potassium and from 0.8 to 1.0 molar equivalent of chromate per molar equivalent of zinc, and 0.5 to 0.875 molar equivalent of hydroxyl per molar equivalent of chromate, and passing the solutions simultaneously and in the above molar ratio of ingredients into a precipitating tank, whereby zinc yellow of high color value and good color is precipitated.

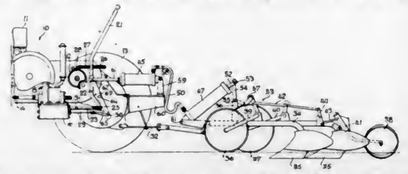
2,410,917
SHORT WAVE DIRECTION FINDER
Luke Chia-Liu Yuan, Pasadena, and Charles E. Miller, Glendale, Calif., assignors to California Institute Research Foundation, Pasadena, Calif., a corporation of California
Application October 31, 1941, Serial No. 417,280
4 Claims. (Cl. 250—11)



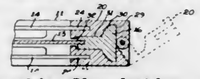
4. A directional antenna system, comprising two supporting members extending at right angles to each other and connected to a common point for rotation of the members simultaneously about a horizontal axis perpendicular to the axes of said members, means for rotating the two members about a vertical axis, means for indicating both angles of rotation, a directive antenna connected with one member for the determination of the horizontal angle of incidence, and a directive antenna connected with the other member for the determination of the vertical angle of incidence, a reflection shield for said last-mentioned antenna, and feed lines for said antennae passing through said respective supporting members.

2,410,918
CONTROL MEANS FOR TRACTOR-CONNECTED IMPLEMENTS
Russel D. Acton, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 22, 1944, Serial No. 528,672
34 Claims. (Cl. 97—50)

1. In combination with a tractor having a power-actuated member thereon, an implement connected to the tractor for free floating movement relative thereto, said implement having a functional implement part and a member movable to adjust said implement part, means for locking said power-operated member in any one of a plurality of positions, and a unitary self-contained hydraulic unit including a cylinder mounted on the tractor and a piston in the cylinder secured to the power-actuated member, a cylinder secured to the implement having a piston therein secured to the implement-adjusting member, and flexible fluid conduit means connecting said cylinders whereby the functional implement part may be accurately adjusted and maintained in adjusted position by the power-actuated member on the tractor during movement of the tractor and movement of the implement relative to the tractor.

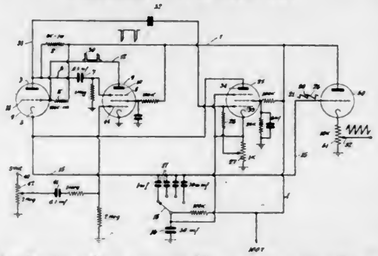


2,410,919
PHOTOGRAPHIC FILM HOLDER
Thomas McG. Aiken, Pittsburgh, Pa.
Application April 10, 1945, Serial No. 587,561
5 Claims. (Cl. 95—66)



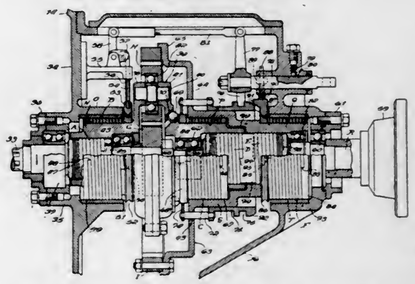
1. A photographic film holder comprising a frame of generally rectangular form having a partition at its mid-plane and adapted to receive dark slides in perpendicularly-spaced relation to the faces of the partition, a bar forming an end portion of the frame and being of substantially greater thickness than the partition, and closure elements having axially alined knuckles pivotally connected by a pintle to the outermost edge of the bar, on a common axis, in position to cooperate with the said bar, when closed, to completely shut the adjacent end of the holder.

2,410,920
LINEAR TIME BASE SWEEP GENERATOR
Horace Atwood, Jr., Belleville, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application April 30, 1943, Serial No. 485,221
8 Claims. (Cl. 250—36)



1. A device for generating a sawtooth wave, which comprises a first and a second vacuum tube with a plate of each coupled to a grid of the other one, a pentode to the plate of which the cathode of said first tube is coupled, said pentode also having a control grid to which the plate of said first tube is coupled through a condenser, said second tube having a grid to which a synchronizing signal is coupled, and a condenser and resistance in series between the positive terminal of a source of potential and the cathode of said first tube, the negative terminal of said source being connected to the cathodes of said pentode and said second vacuum tube.

2,410,921
POWER TRANSMISSION DEVICE
Frank W. Avila, Columbia City, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application January 19, 1945, Serial No. 573,550
10 Claims. (Cl. 74—260)

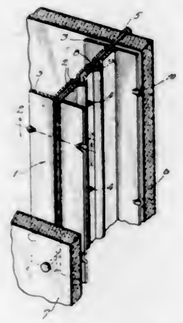


1. A transmission including a housing structure, a power input shaft rotatably carried by the housing structure, a gear fixed to said shaft, a planet carrier rotatably mounted concentric with respect to said shaft, a gear rotatably mounted on the planet carrier in mesh with the gear on the shaft, a rotatable drum structure having an internal gear in mesh wtih said planet gear, an output shaft rotatably carried by the housing structure concentric with respect to the power input shaft, a one-way clutch carried by the power input shaft and engageable with the planet carrier, a brake carried by the planet carrier and engageable with the housing structure, a one-way clutch carried by the output shaft and engageable with the planet carrier, a one-way clutch carried by the output shaft and engageable with the drum structure, a one-way brake carried by the drum structure and engageable with the housing structure, manual means for engaging and disengaging the brakes between the housing structure and the planet carrier and the drum structure, said clutches between the input shaft and the planet carrier, between the output shaft and the planet carrier and between the output shaft and the drum structure being automatically engageable in one relative direction of rotation and freely overrunning in the other relative direction of rotation, a one-way clutch carried by the planet carrier and engageable with the drum structure, and automatic means to engage said clutch when a predetermined speed of the planet carrier is attained whereby direct drive is obtained, manual means being provided for rendering said automatic means inoperative.

2,410,922
FRAME MEMBER
Bruno E. Balduf, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application November 12, 1941, Serial No. 418,747
6 Claims. (Cl. 72—46)

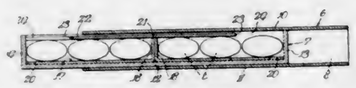
6. A hollow-walled structure having opposed spaced porous walls, the exposed surfaces of

which are adapted to receive a finish, said hollow-walled structure comprising a sheet metal supporting stud having spaced laterally extending longitudinal metal flanges upon which spaced projections of small area extend outwardly therefrom throughout the length of said stud, and por-



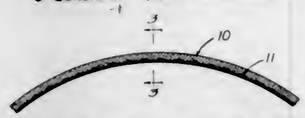
ous boards secured against said projections only so that the said porous boards are spaced a material distance from the main body portion of said metal flanges throughout their length whereby moisture that condenses on said sheet metal supporting stud is substantially precluded from being absorbed by said porous boards.

2,410,923
DISPENSING CONTAINER
Charles S. Beardsley, Elkhart, Ind., assignor to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application April 22, 1943, Serial No. 484,023
3 Claims. (Cl. 206—42)



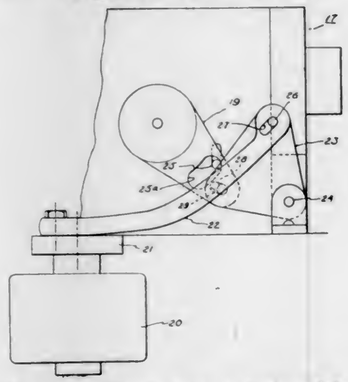
1. In a dispensing container, a tubular enclosing member of substantially rectangular cross-section comprising side and top and bottom walls, an open top tray for articles to be dispensed slidably mounted in said enclosing member and comprising a bottom wall and side and end walls, said tray substantially conforming in length to said enclosing member and the latter being open at its ends for projection beyond either end thereof of said tray, a transverse partition separating said tray lengthwise into two compartments each unobstructed interiorly for free movement of the contained articles from each side of said partition to the corresponding end of said tray, and a cover member disposed in the upper portion of said tray, said partition comprising a separating element of a height to extend above the articles to be dispensed and being effective for supporting said cover member spaced from the bottom wall of said tray, said cover member being restrained by said side and end walls of said tray against relative transverse and endwise movement, said cover member being free from said tray for removal therefrom and having adjacent each end an opening for dispensing the articles.

2,410,924
FRICTION ELEMENT
William A. Blume, Bloomfield Hills, Mich., and Edward W. Conarton, Jersey City, N. J., assignors to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application August 26, 1944, Serial No. 551,284
9 Claims. (Cl. 188—251)



1. A friction element comprising a composition body containing friction material, a bonding agent, and a flexible reenforcing wire backing having a tough but flexible metallic surface coating composed essentially of lead together with a metallic hardening agent.

2,410,925
CAMERA OPERATING CONTROL
George T. Burrell, deceased, late of Huntington Station, N. Y., by Helen Haughton Burrell, administratrix, Huntington Station, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application July 26, 1943, Serial No. 496,103
6 Claims. (Cl. 88—16)

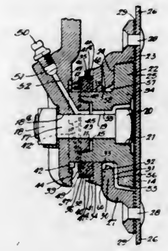


1. The combination with a spring driven motion picture camera having a mainspring and a single frame release mechanism, of a stud projecting from the camera for the control of the release mechanism, a crank for winding the mainspring of the camera having a slot therein coacting with the stud of the release mechanism, a triangular plate pivotally mounted at one of its vertices, a pin and slot connection between another vertex of said plate and the extremity of said crank, an operating rod, a pin and slot connection between one extremity of said operating rod and the third vertex of the plate, a constantly rotating motor, a disc on the shaft of said motor, and an eccentric connection between the opposite extremity of said rod and said disc, whereby the rotation of the latter through 180° swings the plate about its pivot in one direction to rotate the crank in a clockwise direction for rewinding the mainspring of the camera and for operating the aforesaid stud to trip the release mechanism and the continued rotation of the disc through the remaining 180° of a complete revolution thereof swings the plate about its pivot in the reverse direction to move the crank counter-clockwise and restore the stud to its initial position.

2,410,926
FATTY OIL DESLIMING PROCESS
William A. Bush and Edward A. Lasher, Los Angeles, Calif., assignors to California Flaxseed Products Company, Los Angeles, Calif., a corporation of California
No Drawing. Application April 4, 1944, Serial No. 529,551
4 Claims. (Cl. 260—424)

1. The process of de-sliming a fatty oil comprising mixing into said oil a substantially saturated water solution of a solid acid selected from the group consisting of sulfamic acid, oxalic acid, citric acid, picric acid and maleic acid in an amount sufficient to break the slime dispersion, mixing into said mixture a solid filteraid powder in amount sufficient to absorb all of said water solution remaining after mixing with the fatty oil, and filtering out said filteraid, acid and water with the slime from the purified oil.

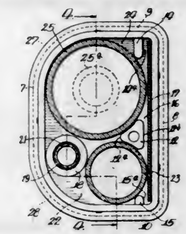
2,410,927
BEARING AND SEAL CONSTRUCTION
Thomas L. Callahan and Jay Weaver, Richmond, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application May 17, 1943, Serial No. 487,224
3 Claims. (Cl. 308—19)



1. In combination, a support having a bearing flange, a rotatable member of unyielding material rotatably bearing against the flange, a sealing ring of unyielding material having a face in sliding sealing contact with a face of the rotatable member, a sealing ring of yielding material having a face in sealing contact with the unyielding sealing ring and an inner peripheral surface in sealing contact with the support, the contacting faces of the rotatable member and the unyielding sealing ring being so shaped as to contact only at a radially outermost narrow region so as to provide radially inwardly thereof a wedge-shaped space between the faces for lubricant out to the actual region of contact to keep the contact region closed by lubricant and thus to prevent the entrance of foreign material from the exterior.

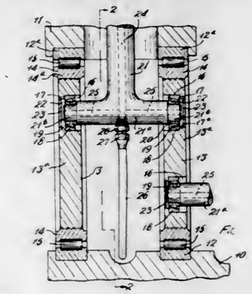
2,410,928
CONTAINER
Howard F. Christner, Frederick A. Lobley, and Charles Foster Miles, Elkhart, Ind., assignors to Ames Company, Inc., Elkhart, Ind., a corporation of Indiana
Application June 5, 1944, Serial No 538,802
6 Claims. (Cl. 206—12)

4. In a container of the class described, a base member, said base member being open at one end and comprising front and rear walls, a pair of side walls, and a bottom wall lying in a plane extending transversely of said side, front and rear walls substantially at right angles thereto, a standard extending vertically upwardly from said bottom wall adjacent but spaced inwardly of said rear wall, a second standard extending vertically upwardly from said bottom wall and disposed adjacent said front wall, a pair of partitions extending inwardly of each of said side walls in



alignment with the first standard to define a compartment between the same and said rear wall, and one of said pair of partitions together with the intersection of one of said side walls with said front wall and the first and second standard forming a compartment.

2,410,929
CRANK AND LUBRICATED MEANS FOR DRIVING THE SAME
Stephen S. Crause, Cleveland, Ohio
Application March 2, 1944, Serial No. 524,806
11 Claims. (Cl. 74—605)

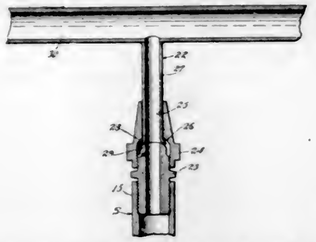


1. The combination, with a pair of crank members and means for supporting the same for rotation, of a connecting rod having a pin at one end thereof, and means for connecting the opposite ends of said pin with the said members, said means comprising a seat carried by each of said members, the said seats being opposed to each other, an outer race ring member fitted within each of said seats, an inner race ring member mounted on each end of the said pin, anti-friction members interposed between the said race ring members, and means for conducting lubricant under pressure to the bearings constituted by said race ring members and said anti-friction members.

2,410,930
LAWN SPRINKLER
Armand De Mott, Fords, N. J.
Application July 10, 1945, Serial No. 604,251
1 Claim. (Cl. 299—69)

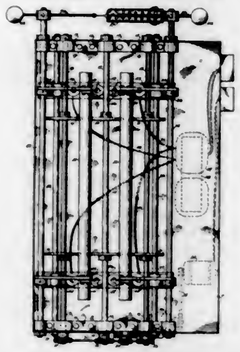
A lawn sprinkler comprising a base, tube means secured to and projecting from said base, said tube means having a dome-shaped end portion, a sprinkler head, a hollow stem on said head, said stem terminating in a flared portion, a coupling

nut engaging said tube means and stem to secure the stem thereon, said coupling nut having an internally apertured portion in which the stem is rotatably positioned, said apertured portion



terminating in an enlarged shouldered portion to freely receive the flared portion of the stem intermediate the shouldered portion of the nut and the dome-shaped portion of the tube means.

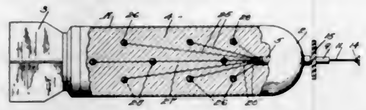
2,410,931
TUBE CRACKING MACHINE
Charles Eisler, South Orange, N. J.
Application March 30, 1944, Serial No. 528,812
4 Claims. (Cl. 49—50)



1. A tube cracking machine comprising a frame member, rollers rotatably supported in said frame in parallel, spaced relation, said rollers being adapted to rotatably, horizontally support the tube to be cracked, a heat-imparting wire member of generally semi-circular outline positioned in said frame in alignment with and spaced adjacent the position of said tube to encompass the lower portion of the tube, an arm pivotally mounted in said frame in alignment with said wire, said arm having a free end remote from its point of pivot, a knife on the free end of the arm, and means to pivotally move the arm, said arm being of such proportions and being so positioned in said machine that it may be pivoted to bring the knife into contact with the tube at a point in alignment with and above the position of the wire member.

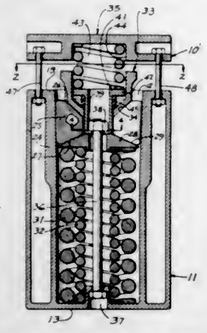
2,410,932
BOMB
Clyde B. Ferrel, San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev., a corporation of Nevada
Application May 28, 1943, Serial No. 488,909
1 Claim. (Cl. 102—2)

A bomb comprising an elongated body portion having a nose at one end and a tail portion at the other, an explosive charge filling the body portion, a primary detonator in the nose of the bomb and fired by impact with a target, a plurality of secondary detonators disposed at different points throughout the body of the explosive charge, a housing enclosing the primary detonator, said housing having sufficient strength to re-



main intact during firing of the primary detonator, and a plurality of rigid non-movable rods extending from said housing to the respective secondary detonators, whereby an impact detonating wave is transmitted through the housing and the rods to the respective secondary detonators to detonate the same when the primer detonator is fired.

2,410,933
CUSHIONING DEVICE
Lewis D. Freeman, Richmond, Va.
Application November 24, 1943, Serial No. 511,569
10 Claims. (Cl. 213—24)

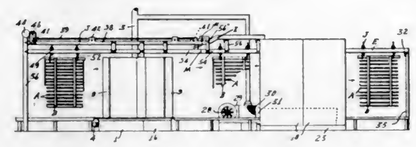


1. In a cushioning device, a casing having interior angular walls in cross-section and having an open and closed end, friction shoes each engaging two of said interior walls, each shoe having an inclined wedging face at its inner and at its outer end, a spring plate having inclined faces engaging the inclined inner faces of said shoes, resilient means under initial compression between said spring plate and the closed end of said casing, a wedge member having wedging faces engaging the outer wedging faces of said shoes and extending outward beyond the open end of said casing, a follower, and means including a resilient element between said follower and said spring plate whereby said last-named means initially resists the compression of said device.

2,410,934
WASHING MACHINE FOR WINDOW BLINDS
Ogle F. French, Wichita, Kans.
Application June 21, 1945, Serial No. 600,805
8 Claims. (Cl. 134—108)

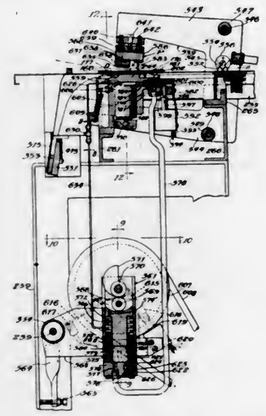
1. In a washing machine for window blinds, of the class described, a tank for containing washing fluid, a heating pipe positioned in the tank to be submerged by the fluid, means to circulate heat through the pipe to heat the washing fluid, a pair of hollow walls seated in spaced relation on the tank, a plurality of nozzles for each wall,

the nozzles being in spaced relation on the confronting sides of their respective walls, a motor-actuated pump, and pipe means to connect the pump to the tank and said hollow walls to circu-



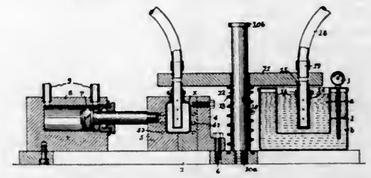
late fluid from the tank through the walls and outward through the nozzles as washing means for Venetian blinds pendantly carried between the hollow walls, there being conveying means for the blinds between said hollow walls.

2,410,935
PRINTING MACHINE
Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application October 25, 1941, Serial No. 416,548
22 Claims. (Cl. 101—58)



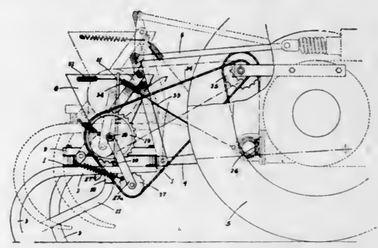
1. In a printing machine, the combination of a frame, an anvil stationarily mounted on said frame and defining a printing station upon which a printing plate may be supported with its character faces lying in a predetermined plane, a platen having an operative face lying in a plane, and adapted to face the printing plate in a printing operation, said platen being adapted to be pressed toward a printing plate located at said printing station, a carrying structure upon which said platen is mounted, and means for pivotally supporting said carrying structure comprising knife edge bearings mounted on said carrying structure with their knife edges located in the plane of said operative face of the platen, V-shaped support bearings stationarily mounted on said frame with the throats of said V-shapes located in said predetermined plane, and actuating means operable to force said platen to its printing position by retroactive forces applied between rigid parts of said anvil and said carrying structure.

2,410,936
MOLDING PLASTIC HOLLOW BODIES
Erich Gronemeyer, Pompton Plains, and Samuel Cherba, Totowa, N. J.
Application March 29, 1945, Serial No. 585,528
3 Claims. (Cl. 18—58)



1. The method of forming a hollow plastic body which consists in immersing an expansible hollow core in a mass of settable plastic in liquid state which, on such immersion, will adhere to said core, then withdrawing the core from said mass and incorporating in a hollow mold a portion of the core having such plastic adhering thereto and expanding said portion to the form of the mold all before the plastic adhering to the core substantially sets, and, when the molded part of the plastic adhering to the core has so substantially set, separating the core, such molded part and mold from each other.

2,410,937
FERTILIZER DISTRIBUTOR
Bernhard J. Harder, Delano, Calif.
Application May 30, 1944, Serial No. 538,005
5 Claims. (Cl. 275—2)



1. A fertilizer distributor comprising, with a tractor, a hopper, means to mount the hopper in supported draft relation to the tractor and for raising and lowering movement relative thereto, spouts depending from the hopper, normally open closure gates for the spouts, and means between the gates and tractor to close said gates upon lifting movement of the hopper a predetermined distance.

2,410,938
PYRIDINE DERIVATIVES AND PROCESS FOR THE MANUFACTURE OF SAME
Max Hoffer, Nutley, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Original application September 2, 1941, Serial No. 409,298. Divided and this application May 11, 1945, Serial No. 593,315. In Switzerland September 2, 1940
4 Claims. (Cl. 260—297.5)

1. In a process for the manufacture of 2-methyl-3-hydroxy-4,5-dihydroxymethyl pyridine (vitamin B_6) the steps comprising reacting 2-methyl-4-phenoxymethyl-5 - cyano - 6-hydroxy - pyri-

dine-3-carboxylic acid with phosphorus pentachloride and subsequently with hydrazine in the presence of alkali, transforming the 2-methyl-4-phenoxymethyl-5-cyano-6- chlorine - pyridine-3-carboxylic acid hydrazide formed into 2-methyl-4-phenoxymethyl-5-cyano-6- chloro - pyridine-3-carboxylic acid azide, boiling the said azide in the presence of alcohol, hydrogenating the 2-methyl-3-carbalkoxyamino-4-phenoxymethyl-5-cyano-6-chloro-pyridine formed to 2-methyl-3-carbalkoxyamino-4 - phenoxymethyl - 5 - aminomethylpyridine, reacting the said compound with a substance evolving nitrous acid, treating the 2-methyl-3-carbalkoxyamino-4 - phenoxymethyl - 5-hydroxymethyl - pyridine formed with hydrogen bromide and diazotizing and boiling the 2-methyl-3-amino-4,5-di-bromomethyl-pyridine to form 2-methyl-3-hydroxy-4,5- di-hydroxymethyl-pyridine.

2,410,939

PYRIDINE DERIVATIVES AND PROCESSES FOR THE MANUFACTURE OF SAME

Max Hoffer, Nutley, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Original application September 2, 1941, Serial No. 409,298. Divided and this application May 11, 1945, Serial No. 593,316. In Switzerland September 2, 1940

2 Claims. (Cl. 260—297)

1. The compound 2 - methyl-3-carbalkoxyamino - 4 - phenoxymethyl - 5-cyano-6-chloropyridine.

2,410,940

PYRIDINE DERIVATIVES AND PROCESS FOR THE MANUFACTURE OF SAME

Max Hoffer, Nutley, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Original application September 2, 1941, Serial No. 409,298. Divided and this application May 11, 1945, Serial No. 593,317. In Switzerland September 2, 1940

2 Claims. (Cl. 260—297)

1. The compound 2 - methyl - 3 - carbalkoxyamino - 4 - phenoxymethyl - 5 - hydroxy - methyl-pyridine.

2,410,941

PYRIDINE DERIVATIVE AND PROCESSES FOR THE MANUFACTURE OF SAME

Max Hoffer, Nutley, N. J., assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Original application September 2, 1941, Serial No. 409,298. Divided and this application May 11, 1945, Serial No. 593,318. In Switzerland September 2, 1940

2 Claims. (Cl. 260—297)

1. The compound 2-methyl-3-carbalkoxyamino-4-phenoxymethyl-5-aminomethylpyridine.

2,410,942

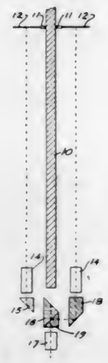
OPTICAL THICKNESS GAUGE

William R. Holman, Vallejo, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware

Application January 2, 1945, Serial No. 571,050

3 Claims. (Cl. 88—1)

1. A thickness gauge comprising a pair of target members engageable with opposite sides of a member to be gauged, and means for viewing said target members simultaneously in superimposed relation including a pair of objective lenses aligned with the target members, a single eyepiece lens and prismatic reflectors for directing the images from the objective lenses to the eyepiece lens, said targets having reference lines thereon positioned to be spaced apart in their



superimposed images a distance corresponding to the thickness of the members being gauged, means to adjust the spacing of the objective lenses to bring the images of the reference lines into registry, and means to indicate the extent of said adjustment.

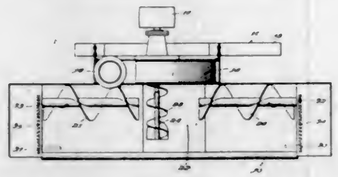
2,410,943

DOUBLE FEED ENSILAGE BLOWER

Edwin F. Huddle, Elmwood Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application December 18, 1944, Serial No. 568,613

4 Claims. (Cl. 302—37)



1. An ensilage blower comprising a hopper, and a housing enclosing a fan positioned parallel to the length of said hopper and at a point substantially midway of the ends of said hopper, said hopper and housing having a material passage opening therebetween, material conveying augers positioned longitudinally of said hopper and in each end of said hopper for feeding material to the central portion of said hopper, and another auger positioned transversely of and centrally of said first named augers and adapted to receive material from said first named augers and feed it into said fan housing.

2,410,944

SYSTEM FOR SINTERING

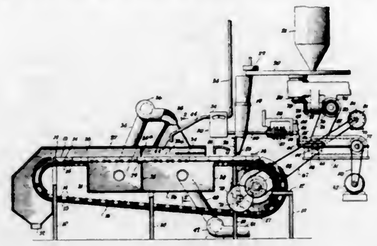
Walter F. Johnson, Berkeley, Calif., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application May 13, 1943, Serial No. 486,798

6 Claims. (Cl. 266—21)

1. Apparatus for sintering ore which comprises, in combination, a driven variable speed reducer

having a driving means and a means to change the driving speed of the said driving means; a sintering machine driven by said driving means, said sintering machine having a substantially closed hood, a windbox and a blower mechanism to draw air into the hood chamber, through the charge and through the windbox of said machine; and a controller mechanism connected to said



chamber and to said speed reducer, said controller being operative in response to a change of pressure in said chamber to increase the speed of said driving means upon a predetermined increase in the draft in said chamber and to decrease the speed of said driving means upon a predetermined decrease in the draft in said chamber.

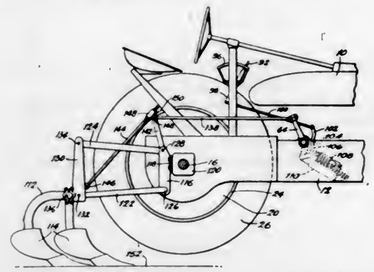
2,410,945

TRACTOR JACK

Arnold E. W. Johnson, Oak Park, and John R. Orelind, Wilmette, Ill.

Original application March 8, 1943, Serial No. 478,462. Divided and this application October 25, 1943, Serial No. 507,550

1 Claim. (Cl. 97—50)



In a tractor having an elongated body and a transverse axle at the rear thereof for carrying rear traction wheels, a housing for said transverse axle, said tractor containing a power source including a swingable work arm positioned on one side of the tractor at a forward point on the elongated body, a hydraulic device adapted to cause swinging movement of said work arm, a control lever, actuating means associated with said hydraulic device, linkage between said control lever and said actuating means, the tractor having a jack means at the rear of the tractor operated by said work arm, the said jack means comprising a cultivating implement, longitudinally extending and vertically joined parallel links connecting said cultivating implement to said axle housing, a radius rod pivotally attached to the upper parallel link at its point of connection to the axle housing and extending upwardly, said radius rod and said work arm substantially parallel one to the other and joined by a rigid connecting link, and another rigid link joining said radius rod and the other of said parallel links at the rear end thereof, whereby movement of the control lever to swing the work arm rearwardly will cause a downward swinging of said parallel links and an upward movement of the rear of said tractor.

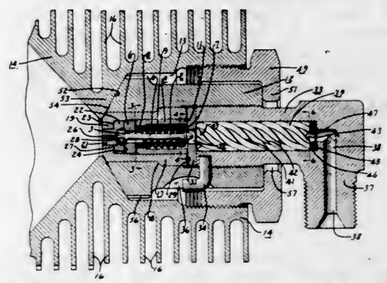
2,410,946

FUEL INJECTION MECHANISM

Lloyd E. Johnson, Fon du Lac Township, Tazewell County, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

Application April 10, 1943, Serial No. 482,577

2 Claims. (Cl. 251—145)



1. A fuel injection nozzle comprising an apertured valve seat, an apertured spring abutment member adjacent the seat, a valve stem passing with clearance through the seat and abutment members and having a head on one end engageable with the seat, a spring retainer loosely connected with the opposite end of the valve stem, a spring interposed between said retainer and said abutment member to urge the valve head toward the seat, and a separate sleeve member embracing the abutment member and a portion of the spring to center them relative to the seat but free of contact with the retainer member and the greater portion of the spring whereby the valve stem is unguided with relation to the seat.

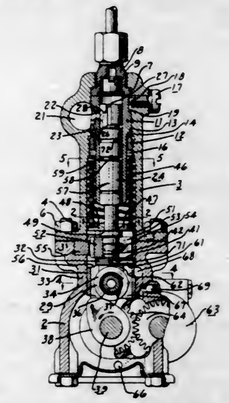
2,410,947

FUEL INJECTION PUMP MECHANISM

Lloyd E. Johnson, Fon du Lac Township, Tazewell County, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California

Application April 19, 1943, Serial No. 483,633

4 Claims. (Cl. 103—41)



1. Fuel injection mechanism comprising a pump cylinder, a pump plunger reciprocably

mounted therein, a reciprocable tappet member engageable with an end of the plunger, a bearing wall for guiding said tappet member, and lubricating means comprising passages through the plunger and tappet for supplying lubricant to said cylinder and bearing wall, said passages registering at the engageable surfaces of the plunger and tappet to permit the passage of lubricant and to effect lubrication of said surfaces.

2,410,948

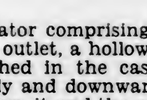
DERIVATIVES OF 3,4 - DIHYDROXY - THIOPHAN AND PROCESS FOR THE MANUFACTURE OF SAME

Paul Karrer, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application August 26, 1944, Serial No. 551,442. In Switzerland December 23, 1943

5 Claims. (Cl. 260—329)

3. Compounds of the general formula



wherein X represents $-(CH_2)_n-R$, n being an integer, and R being a member of the group consisting of alkoxy, carbalkoxy, and CN.

2,410,949

LIQUID PHARMACEUTICAL PREPARATION

Walter Karrer, Riehen, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application February 5, 1943, Serial No. 474,878. In Switzerland April 1, 1942

4 Claims. (Cl. 167—65)

1. An aqueous solution of a substance of the group consisting of flavon glucosides and agluclones thereof, said solution containing said substance in an amount greater than that soluble by itself in the aqueous solution, and sarcosin anhydride present in an amount effective to maintain said solubility.

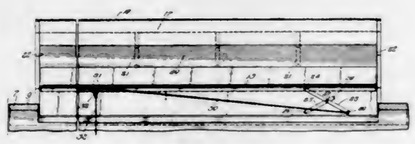
2,410,950

VENTILATOR

Harold Knutson, Chicago, Ill., assignor, by mesne assignments, to Paul Dickinson Company, Chicago, Ill., a corporation of Illinois

Application July 28, 1943, Serial No. 496,493

6 Claims. (Cl. 98—42)



1. In a ventilator comprising a casing having an inlet and an outlet, a hollow angular rib permanently attached in the casing having sides flaring outwardly and downwardly but leaving a free space between it and the casing sides at the outlet, a damper to close the inlet and means to move the damper vertically from the inlet against the sides of said rib, said means comprising a combined lever having one portion pivoted in the inlet of the casing, another portion thereof pivoted to the damper, the two portions being pivoted together intermediate the ends of one of the portions, and a pull chain connected to the free extremity of one of the lever portions for raising them together with the damper about the member which is pivoted to the inlet wall.

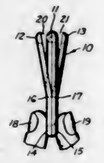
2,410,951

KEY RING AND THE LIKE

Leopold Kuhnl, Stratford, Conn., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York

Application February 8, 1945, Serial No. 576,839

4 Claims. (Cl. 70—458)



1. A key ring and the like comprising a body including approximately two turns of wire, said wire having its ends free for the threading of a key onto the ring and having said ends substantially opposite one another laterally of the ring and normally lying close to the ring body, and said ring having the portions of its turns diametrically opposite its free ends spread apart for a distance roughly the thickness of said wire whereby on said portions being squeezed toward one another the free ends of the ring are caused to spread outwardly from the ring body to facilitate the threading of a key onto the ring.

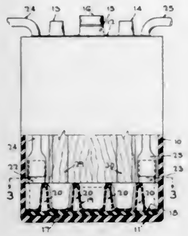
2,410,952

HEAT TRANSFER CONSTRUCTION FOR ELECTROLYTIC CELLS

Lester E. Lighton, Glenside, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey

Application December 28, 1942, Serial No. 470,391

7 Claims. (Cl. 136—161)



1. In a storage battery having plates, a container, a wall adjacent the bottom of said container having hollow ribs formed therein for supporting the plates within the container, a second wall secured in spaced relation to said first mentioned wall and located on the side thereof opposite to said plates to form with said hollow ribs a fluid path for the passage of a heat transfer medium, and fluid inlet and outlet means communicating with said fluid path and adapted to be connected to a source of supply of a heat transfer fluid.

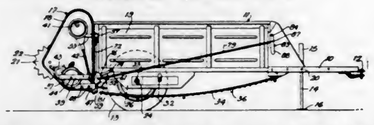
2,410,953

DETACHABLE MANURE SPREADER

Robert P. Messenger, Kenilworth, Arnold E. W. Johnson, Oak Park, and William F. Schmied, Blue Island, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application November 22, 1943, Serial No. 511,284

7 Claims. (Cl. 275—5)



1. In combination, a tiltable cart having a longitudinally shiftable wheel truck lockable in forward or rearward positions in relation to the cart, a spreader unit, and means for attaching the spreader unit to the rear of the cart by tilting said cart when the wheel truck is locked in its forward position and engaging the rear of the cart with the spreader unit, and means for locking said wheel truck in a rearward position when the spreader unit is attached.

2,410,954

SILICA MODIFIED CEMENT

James William Sharp, Los Altos, Calif., assignor to Permanente Cement Company, Oakland, Calif., a corporation of California

No Drawing. Application October 12, 1944, Serial No. 558,463

6 Claims. (Cl. 106—98)

1. Hydraulic cement modified by intermixture therewith of about three to five percent of highly reactive silica in very minute particles obtained by cooling material in the vapor phase which thereby forms silica in the solid phase, said silica being amorphous and consisting predominantly of spherical particles of less than one micron diameter.

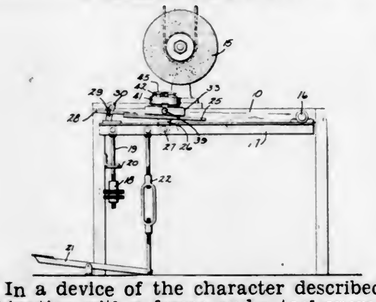
2,410,955

GRINDING MACHINE FOR SHAPING WORKPIECES

Joseph L. Torgerson, Milwaukee, Wis.

Application October 23, 1944, Serial No. 559,876

5 Claims. (Cl. 51—92)



1. In a device of the character described, the combination with a frame and a tool operatively supported therefrom, of a fulcrum bar projecting laterally from the frame, a subframe pivoted on said bar and having a portion pivotally movable to and from said tool, means for actuating said portion comprising a pedal and motion transmitting connections from the pedal to said subframe, stop means adjustable between the subframe and the frame for limiting the pivotal movement of the subframe, a table, pintle means pivotally connecting the table to the subframe whereby said table is tiltable respecting said subframe, clamping means for fixing the position of tilted adjustment of the table respecting the subframe, means providing a guideway transversely of the table, a slide reciprocable upon the guideway, handle means for reciprocating the slide, and a work carrier provided with an index mounted upon the slide.

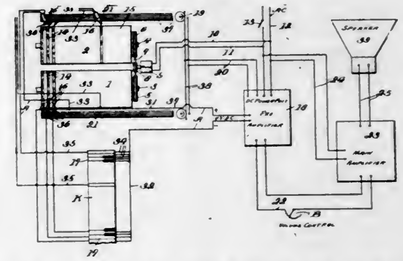
2,410,956

SYSTEM OF REPRODUCING SOUND

Theodore R. Benjamin, San Bernardino, Calif., assignor of one-half to Edward J. Burger, San Bernardino, Calif.

Application June 9, 1944, Serial No. 539,478

8 Claims. (Cl. 84—1.18)



1. In a device for reproducing the notes of a musical instrument consisting of an endless transparent surface having its inner surface mirrored to form an endless outwardly reflecting surface, a plurality of spaced sound tracks disposed on the outer face of said transparent surface each containing a note, an electric light disposed adjacent each sound track to direct a beam at an angle through said sound track against the reflecting surface, a Lucite rod disposed opposite the space between each of said sound tracks to collect and convey the same, and a photoelectric cell disposed at the end of said rod.

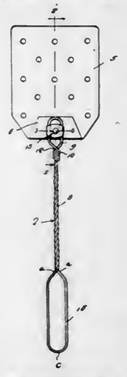
2,410,957

FLY SWATTER

Henry L. Briones, East Irvington, N. Y.

Application November 3, 1944, Serial No. 561,725

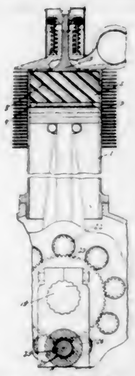
1 Claim. (Cl. 43—137)



A fly swatter comprising a flexible swatter sheet, an elongated handle structure, said handle structure comprising an elongated wire member bent to form a pair of leg members, said members being twisted together for a substantial distance to define a rigid stem and a handle, the free ends

of said leg members being formed to provide loops for engagement against opposite sides of one end portion of the swatter sheet, and fastener means for fastening the loops in clamped engagement with the sheet, the inner ends of the said loops being twisted about the innermost end of the twisted stem to rigidify this end of the stem.

2,410,958
ENGINES OPERATING COAXIAL SHAFTS
James B. Brockhurst, Red Bank, N. J.
Application August 2, 1943, Serial No. 496,984
10 Claims. (Cl. 123—197)



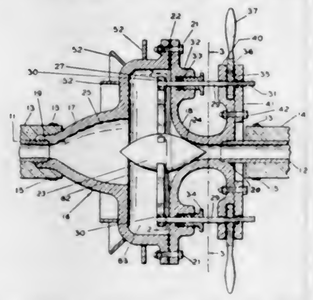
7. In an engine, a cylinder, a hollow piston of fixed cubical capacity therein, a crank shaft and a second shaft revoluble within said crank shaft, means whereby expansive power, developed from within said piston operates directly to both project and rotate said piston, means whereby the projecting movement of said piston serves to operate said crank shaft, and means whereby the rotating movement of said piston serves to operate said second shaft.

2,410,959
EARTH DRILL
Hugh S. Brown, Wauwatosa, Wis.
Continuation of application Serial No. 410,623, September 12, 1941. This application December 13, 1943, Serial No. 514,080
10 Claims. (Cl. 255—22)



1. Earth drilling apparatus including a drill spindle, means for rotating the drill spindle, and means for moving the drill spindle longitudinally including a chain forming an endless loop, a sprocket rotatably mounted and driving the chain by its rotation, a pinion rigid with the sprocket and of smaller diameter, a rack driving the pinion and through it driving the spindle a distance greater than the movement of the rack, a fluid-operated expansion cylinder for moving the rack in a direction to raise the spindle, a second cylinder, and means for connecting the second cylinder to the chain to drive the spindle downwardly with a movement slower compared to cylinder movement than its upward movement.

2,410,960
HIGH TEMPERATURE VALVE
George P. Bunn, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 23, 1943, Serial No. 511,441
17 Claims. (Cl. 251—20)

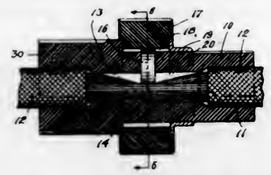


1. In a high temperature valve the combination comprising a housing having a fluid conduit and a non-fluid conducting portion therein, a seat in said conduit, a valve head mounted for sliding motion in said housing to close and open said seat, a plurality of stuffing boxes in said non-fluid conducting portion, a plurality of valve head operating means secured to said valve head and extending through said stuffing boxes to the exterior of said housing, and means to slide said valve head operating means in said stuffing boxes in unison, whereby any binding is obviated, comprising screw threads on the operating means, internally threaded pinions threaded on said screw threads, an annular gear having teeth meshing with all of the pinions simultaneously, and means to rotate said annular gear, each stuffing box having its respective axis parallel to the axis of movement of the valve head whereby the valve head operating means may slide therein to slide the valve head.

2,410,961
ELECTRICAL CONNECTOR
Charles Edgar Carson, Sharon, Mass.
Application March 24, 1945, Serial No. 584,615
2 Claims. (Cl. 287—78)

1. A connector comprising a sleeve having a longitudinally extending opening for the reception of cable ends to be interconnected and having an aperture extending from the exterior of said sleeve transversely into said opening, said sleeve having a raised shoulder portion with a transversely extending wall adjacent said aperture, a cam member having a wall in contact with said wall and having an internal cam surface around said aperture, a plunger in said aperture,

said plunger having an outer portion in contact with said surface whereby upon rotation of said member around said sleeve, said plunger is forced by said surface inwardly in said aperture for forcing wires in said opening intimately in contact, and a locking member around and in contact with said sleeve and in contact with said cam member for maintaining said cam member in position relative to said aperture.

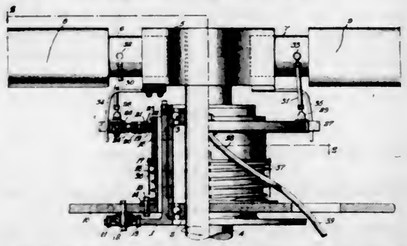


2,410,962
FILM-FEEDING MECHANISM
J Burgi Contner, New York, N. Y.
Application April 13, 1944, Serial No. 530,824
7 Claims. (Cl. 88—18.4)



1. In a motion picture apparatus, a film-feeding mechanism including a slidably mounted bar, film-retaining means extending from said bar, a rocking arm pivotally supported by said bar and presenting at its end a film-engaging and shifting portion, a cam and crank portion rotatably supported with reference to said bar and arm, means for coupling said bar with said cam portion to impart to the bar and film-retaining means a purely reciprocatory movement, and means for operatively coupling said rockingly mounted arm with respect to said crank portion to cause said film-engaging portion to move in substantial immediate proximity to said film-retaining means and whereby, as said film-engaging portion is retracted from a perforation of the film, the film-retaining means carried by said bar is caused to project into said perforation.

2,410,963
HELICOPTER ROTOR MOUNTING
Jean Olivier de Chappedelaine, Reading, Pa.
Application June 15, 1944, Serial No. 540,426
6 Claims. (Cl. 244—17)



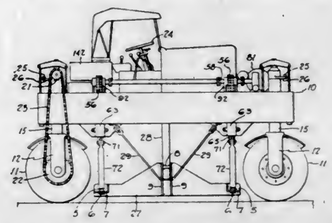
1. In a helicopter the combination of a fuselage, and a rotor, rigidly mounted blades journaled on the rotor for pitch change, a support for the rotor including a drive shaft and a shaft support resiliently and tiltably mounted on the fuselage in which the drive shaft is journaled, a pitch control including a support rigid with the fuselage, a stick controlled universally tiltable member on the support, a pitch control connection between the tiltable member and the blades for controlling the blade pitch movements, whereby aerodynamic unbalancing forces acting on the rotor affecting a tilting of the support produce corrective cyclic pitch control movements of the rotor blades.

2,410,964
DIGESTER UNIT
Joaquin J. de la Roza, Sr., New York, N. Y.
Application March 29, 1944, Serial No. 528,537
2 Claims. (Cl. 92—18)



1. A continuous multistage digester unit comprising substantially horizontal rotatable inner and stationary outer imperforate vessels having fluid-tight seals therebetween and means for circulating a fluid medium in the annular space between the vessels, the former of said vessels enclosing a digestion space, a perforated partition dividing the digestion space into separate sections, said perforated partition adapted for passing digested material therethrough, an open screw affixed to the inner wall of one section for advancing material, impacting objects within the other section of the digestion space, and inlet and discharge pipes at opposite ends of the digestion space.

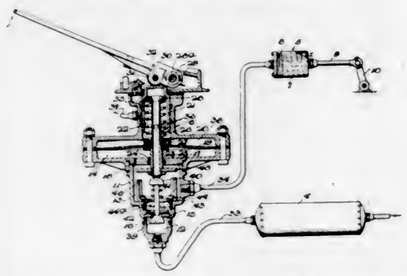
2,410,965
LOAD HOIST AND GRAPPLING CONTROL
Henry N. Dimick, Portland, Oreg., assignor to Willamette Hyster Company, Portland, Oreg., a corporation of Oregon
Application November 16, 1943, Serial No. 510,571
9 Claims. (Cl. 214—65)



1. In a straddle truck, a frame, a pair of grappling members mounted one on each side of said truck and movable inwardly into position to engage a load, toggle levers reacting between said frame and said grappling members in a manner to vary the lateral spacing of said grappling members, means for controlling the action of said toggle levers; a transmission mechanism for transmitting power for raising and lowering a load carried by said grappling members comprising a friction cone, a friction wheel engageable by said friction cone for being driven in either of opposite directions of rotation, means for moving said friction cone into engagement with said friction wheel, means for controlling the direction of movement of said last named means for determining the direction of rotation of said wheel; a lever mounted on said straddle truck,

means interconnecting said lever and the means controlling said grappling members, and means for interconnecting said lever and the means for controlling movement of said friction cone, said lever being movable in one direction to actuate said grappling means and being movable in another direction to actuate said friction cone moving means.

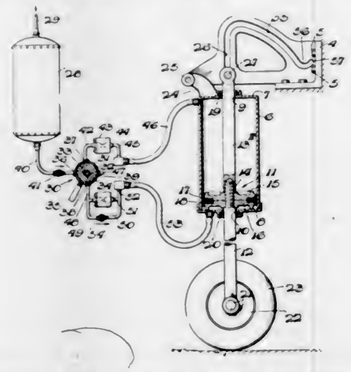
2,410,966
BRAKE MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application April 29, 1943, Serial No. 485,054
8 Claims. (Cl. 303—54)



8. In a control valve mechanism having a casing provided with an inlet chamber, an outlet chamber, a port connecting said chambers, and a valve for normally closing said port, means including a graduating spring for moving said valve in one direction to fully open position, means including a member responsive to the pressure in the outlet chamber for opposing the operation of the moving means and moving the valve in the opposite direction to closed position, and means including a part supported by the pressure responsive member and a part supported by the casing, and arranged to contact with each other only when the valve is moved to substantially fully open position, said parts being so constructed and arranged as to hold the valve in fully open position until the force exerted by the pressure responsive member to close the valve exceeds the force exerted by the moving means to open the valve by a predetermined value.

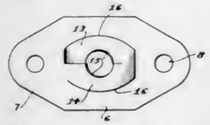
2,410,967
FLUID PRESSURE CONTROL MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application February 5, 1945, Serial No. 576,247
9 Claims. (Cl. 244—102)

1. A combined shock absorbing and retractible landing gear for a vehicle including a ground engaging device, a double acting fluid actuator including a casing member and a pressure responsive member movably mounted therein, means for connecting one of said members with said device, a source of fluid pressure, valve means for selectively controlling the flow of fluid pressure from the source to either end of the casing member and for controlling the exhaust of fluid pressure therefrom, and means for positioning said members and ground engaging device with respect to the vehicle including a pivotal connection between the other of said members and the vehicle, a guide on the vehicle spaced from said pivotal connection having a substantially straight portion and a curved portion, and means carried by the other of said members for engaging the guide, whereby said members are positioned substantially vertical with respect to the vehicle during



movement of the pressure responsive member in the casing during one portion of its travel and are moved to a substantially horizontal position with respect to the vehicle on movement of the pressure responsive member through the rest of its travel.

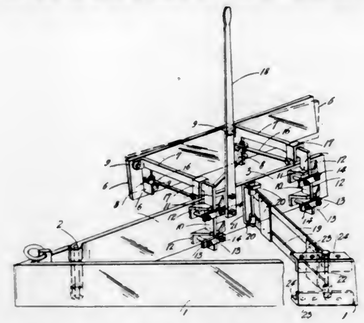
2,410,968
SHEET METAL NUT
Ronald Edgar Eggert, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application January 15, 1945, Serial No. 572,898
3 Claims. (Cl. 85—36)



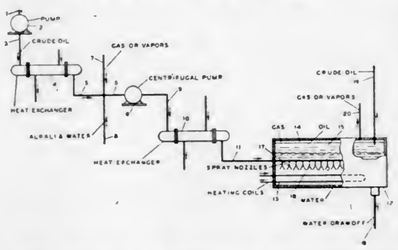
1. In a nut, a plate-like sheet metal body portion, and a pair of elongated laterally juxtaposed bridge portions struck out from the mid-portion of said body portion so as to lie in offset relation to one another and the body portion and having complementary edge portions at opposed inner edges thereof constructed and arranged to define an opening and to threadedly engage a screw threaded member turned in said opening, said bridge portions having their outer longitudinal edges curved outwardly from end to end thereof to provide a substantial width of said bridge portions at points adjacent said complementary edge portions.

2,410,969
DELVING MACHINE
Brian Farley, Coolabah, Yenda, New South Wales, Australia
Application September 19, 1944, Serial No. 554,819
2 Claims. (Cl. 37—98)

1. In an improved delver for forming ditches and channels the combination of a main beam guided by a furrow and a wing hinged thereto, with a supplementary wing for producing a high steep bank to the channel, said supplementary wing being spaced laterally outwardly from the hinged wing and being secured to a pair of brackets each having a limb with a lug, a bolt passing through the lug to secure the supplementary wing to the bracket, said brackets each also having a second limb and slotted angle pieces secured to the hinged wing engaged by the second limbs so that the supplementary wing is supported from the hinged wing.



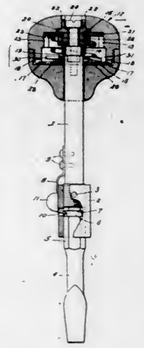
2,410,970
OIL DESALTING AND/OR DEWATERING
Jesse A. Guyer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 5, 1945, Serial No. 571,525
19 Claims. (Cl. 252—330)



3. The method of desalting and/or dewatering an oil comprising the steps of placing the oil under pressure, adding water and gas, mixing the oil, water and gas together, heating the mixture, ejecting the mixture into a region of sufficiently reduced pressure to permit formation of gas bubbles, and separating the oil from the water and gas.

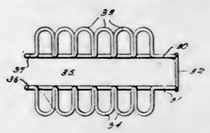
2,410,971
SCREW DRIVER
Emmett C. Hartley, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application December 10, 1943, Serial No. 513,770
1 Claim. (Cl. 145—50)

A hand tool comprising a shank, a tool carried by the shank for rotation in both directions, a knob loosely journaled on the shank and having a central chamber receiving the inner end of the shank, means to hold said shank against axial displacement with respect to said knob, a plate fixedly held within the chamber, a series of struck-out raised portions on said plate directed upwardly and all having the same inclination and abrupt end faces, a second plate within the chamber above said first-named plate and slidably keyed to the shank, said second plate having a series of struck-out raised portions directed downwardly and all having abrupt end faces and inclinations oppositely directed with respect to those of the raised portions on the first named plate, an externally threaded sleeve journaled in the knob, a flanged nut in said chamber threadedly engaging said sleeve, a compression spring be-



tween the flange of said nut and the second mentioned plate, and means on said threaded sleeve, accessible from the outside of the knob, to turn said sleeve, thereby axially displacing said flanged nut and regulating the tension of said compression spring.

2,410,972
BROOM HOLDER
Clarence C. Hickman, Lexington, Va.
Application November 11, 1944, Serial No. 563,009
1 Claim. (Cl. 211—65)

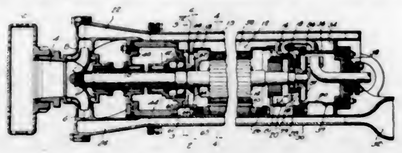


In a holder for a plurality of flat-headed brooms, a single piece of metal wire bent to a form including a U-member, each arm thereof having a plurality of U-members for supporting an equal number of brooms, said first-mentioned U-member having a central rectangular securing plate, the wire of the outer end of each arm being turned inwardly to form a knee bracket bent towards the plane of said flat plate and having a rectangular terminal providing a securing plate bent upon a common plane with said first securing plate to form supporting braces for said holder, said securing plate and said terminals adapted to be secured to a wall, whereby all the brooms may be supported with the flat faces of their heads facing said wall without turning.

2,410,973
COOLING OF DRIVING MOTORS OF SUBMERSIBLE PUMPS
Vaino A. Hoover, Los Angeles, Calif., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application November 6, 1943, Serial No. 509,299
2 Claims. (Cl. 172—36)

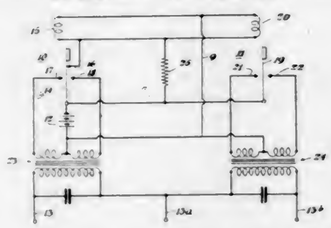
1. An electric motor and pump assembly comprising a cylindrical casing, a motor within said casing, a plurality of circumferentially spaced separated passages for cooling fluid extending

longitudinally of the casing and motor and disposed internally of the casing and externally of the motor, a fan mounted on each end of the motor shaft adjacent the one end of said passages, housing means for one of said fans having delivery ports therein which communicate with only one group of said passages whereby a uni-



directional flow of air therethrough is produced, and housing means for the second of said fans having ports which communicate with all of said passages whereby cooling air is delivered to said second fan through said one group of passages and is delivered by said second fan to the remaining passages.

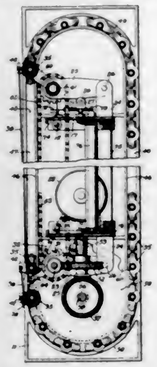
2,410,974
VIBRATOR CIRCUIT
Clarence Huetten, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application May 7, 1943, Serial No. 485,976
13 Claims. (Cl. 171—97)



1. A vibrator system comprising a driving vibrator, a driven vibrator, and a source of electric current, said driving vibrator comprising a vibratory reed and an electromagnet for driving said reed, contact means operated by said reed to control the energization of said electromagnet from said current source, whereby said electromagnet is periodically energized at the frequency of reed vibration to maintain said reed in vibration, said driven vibrator comprising a vibratory reed and an electromagnet for driving said reed, said contact means of said driving vibrator also controlling the energization of said driven vibrator electromagnet, the natural frequencies of said driving and driven vibrators each varying over a range of values, the maximum natural frequency of said driving vibrator being less than the minimum natural frequency of said driven vibrator but greater than the frequency at which the driven vibrator has an amplitude of response just sufficient to effect periodic contact closure.

2,410,975
DISPLAY DEVICE
Job Hutchinson, Great Neck, N. Y., assignor to Morris Pouzner, Boston, Mass.
Application May 8, 1943, Serial No. 486,197
5 Claims. (Cl. 40—84)

1. In a display sign, carriers having guided movement and each having a spring actuated sign sheet roller operatively mounted thereon, spaced lugs on each carrier between which the outer end of the sign sheet on the next succeeding carrier may be disposed, and means on said outer end to detachably engage the last men-



tioned sheet with said lugs, said means consisting of a pull rod on said outer end of the indicated sign sheet, and clamping members on said rod and engaged with said lugs.

2,410,976
OIL WELL PUMP PACKING
Harry F. Johns, Kansas City, Mo., assignor to Velma V. Johns
Application September 23, 1943, Serial No. 503,518
1 Claim. (Cl. 286—31)



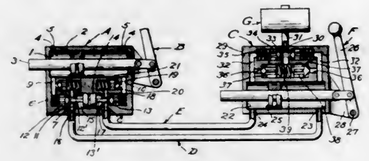
Packing structure comprising a fixed tubular cylinder; a barrel reciprocably disposed within the cylinder; spaced apart packing sleeves between the cylinder and said barrel; a spring between said sleeves for urging the same against the inner face of the cylinder and the outer face of the barrel; an adjusting sleeve surrounding a portion of the length of the barrel, said adjusting sleeve having a series of annular ratchet teeth on the outer face thereof; a lateral projection on the barrel for engaging one end of the sleeve to urge the latter in a direction toward said spring to compress the latter; and a series of pawls pivotally attached to the cylinder for radial movement for engaging the said teeth to lock the adjusting sleeve against movement in a direction from said spring when the pawls are engaged with any of the teeth, said pawls being so attached to the cylinder as to have their lower

ends free to swing radially toward and from the teeth on said adjusting sleeve, said pawls having a split annular spring circumscribing the series thereof for drawing the same against the teeth of the adjusting sleeve.

2,410,977
PROCESS FOR PREPARING NORMAL LEAD SALICYLATE
Leonard M. Kebrich, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 20, 1942, Serial No. 462,769
1 Claim. (Cl. 260—435)

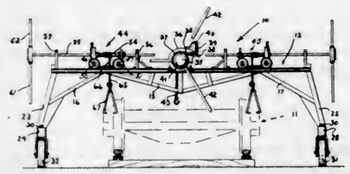
A process for preparing normal lead salicylate which comprises forming an aqueous suspension of lead oxide and while agitating the same gradually adding thereto powdered salicylic acid until the pH of the suspension is lowered to a value about 4.4.

2,410,978
HYDRAULIC SYSTEM
John William Kelly, La Canada, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application February 9, 1943, Serial No. 475,301
9 Claims. (Cl. 60—54.5)



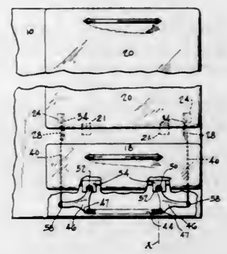
6. In a closed hydraulic system of the kind described, a hydraulic motor unit comprising a double acting piston, a hydraulic pump unit comprising a double acting piston, conduit lines for transmitting fluid under pressure from the pump unit to the motor unit to operate the piston of the latter in either direction, a closed fluid pressure supply reservoir in fluid communication with said system, a set of two-way thermal relief valves between said reservoir and both ends of one of said cylinders and a set of two way thermal relief valves between both ends of the other of said cylinders and the conduits connected thereto.

2,410,979
GANTRY
Wilford W. Kirton, Salt Lake City, Utah
Application April 7, 1945, Serial No. 587,137
2 Claims. (Cl. 212—13)



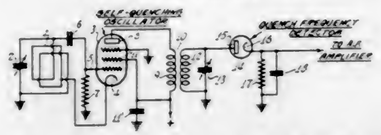
1. A gantry comprising a longitudinally extending frame including a pair of spaced parallel extending tracks, frame supporting members secured to the opposite ends of said frame, casters supported on the lower ends of said frame supporting members, bracing trusses for said frame and its supporting members, a crane fixed to the central portion of said frame extending transversely thereof, means for operating said crane, spaced upright bearing members extending between said tracks fixed to the outer ends of said tracks and at points adjacent said centrally disposed crane, wheel supported cranes mounted on said tracks between said bearing members for longitudinal movement, combined guiding and crane operating shafts extending axially through said bearing members and said last named cranes, and shaft operating means on the outer ends of said shafts positioned beyond the lateral limits of said gantry.

2,410,980
DOOR MOUNTING FOR COOKING STOVES OR THE LIKE
Gustav Klein, Melrose Park, Pa., assignor to Caloric Gas Stove Works, Philadelphia, Pa.
Application June 8, 1945, Serial No. 598,221
2 Claims. (Cl. 126—191)



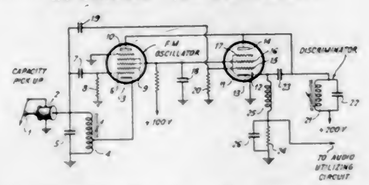
1. The combination with a range structure defining an oven compartment having a front access opening, a door for closing said opening, and hinge means for mounting said door for rotation about a horizontal axis in closing or opening direction, of means for urging said door in closing direction when said door is moved in opening direction to a predetermined point, and for retaining said door in any position to which it is moved beyond said point, said means including bent links pivotally connected, at their upper ends, to said door, rigid hangers disposed parallel to and adjacent the sides of said door with the upper ends of said hangers connected to the lower ends of said bent links and with the lower ends of said hangers disposed below said oven compartment in all positions of said door, a pair of levers, said levers having upper relatively short arms pivoted to said structure at points below said oven compartment and inwardly spaced from the vertical planes of said hangers, whereby said levers are rotatable about horizontal axes normal to the axis of rotation of said door, said levers further including lower relatively short arms disposed in substantially the vertical planes of said upper arms, and horizontal arms disposed substantially midway between the ends of said upper and lower arms and extending outwardly to the vertical planes of said hangers, the outer ends of said horizontal arms being connected to the lower ends of said hangers, and a horizontally-disposed spring connected to the ends of said lower arms for resisting rotation of said levers.

2,410,981
SUPERREGENERATIVE RECEIVER CIRCUITS
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1942, Serial No. 448,340
16 Claims. (Cl. 250—20)



1. A method of receiving modulated carrier wave energy which comprises regenerating the energy to a high degree, interrupting the regeneration at a predetermined frequency thereby to provide interruption current whose frequency is a function of the amplitude modulation of said carrier energy, transforming the interruption current frequency variations by frequency discrimination into corresponding amplitude variations, and deriving signal voltages from the resulting amplitude variable interruption current corresponding to the modulation on the received carrier.

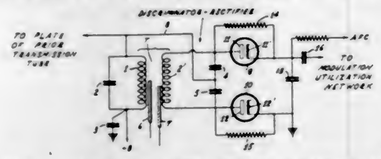
2,410,982
RECORD REPRODUCTION CIRCUIT
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application October 6, 1942, Serial No. 460,940, now Patent No. 2,361,634, dated October 31, 1944. Divided and this application September 16, 1943, Serial No. 502,589
12 Claims. (Cl. 179—100.4)



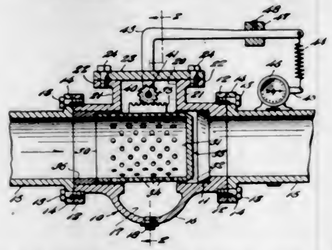
1. In combination, a tube provided with an oscillator section and a postive output electrode, means connected to said oscillator section to provide angular velocity-modulated oscillations which have a predetermined mean frequency, electron coupling between said oscillator section and said output electrode developing said angular velocity-modulated oscillations in the output electrode circuit, a resonant circuit connected to said output electrode, said resonant circuit being tuned to a frequency sufficiently different from said mean frequency to permit the resonant circuit to function as a discriminator circuit, an electron discharge device having an input electrode coupled to said oscillator section, said device having an output electrode coupled to said discriminator circuit.

2,410,983
DISCRIMINATOR-RECTIFIER CIRCUIT
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1944, Serial No. 529,074
6 Claims. (Cl. 250—27)

1. In a discriminator-rectifier circuit, a first resonant circuit comprising a coil and a pair of series-connected condensers arranged in shunt with the said coil, a second resonant circuit having a normal frequency equal to the normal frequency of the first resonant circuit, means magnetically coupling said two resonant circuits, conductive means free of reactance components connecting one side of said second circuit to the junction of said pair of condensers, said coil being free of any tapping point along the length thereof, a first diode rectifier having its anode connected to one end of said coil, a second diode rectifier having its anode connected to the opposite end of said coil, a first load resistor connected in shunt to one of said rectifiers and directly between its anode and cathode, a second load resistor connected in shunt with the second rectifier and directly between its anode and cathode, means for establishing the cathode end of one of said load resistors at a relatively fixed potential, solely a single condenser connecting the cathodes of said rectifiers, and voltage utilizing means connected to the cathode end of the other load resistor.



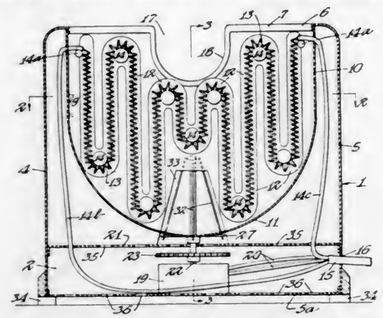
2,410,984
SAFETY DEVICE
Timothy E. Lawless, Marcellus Falls, N. Y.
Application July 5, 1944, Serial No. 543,575
6 Claims. (Cl. 137—152)



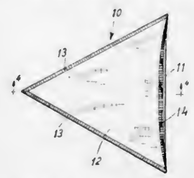
1. In a safety device for steam lines, in combination, a body having an inlet and an outlet positioned in said line, a valve seat in said body at said outlet, a valve comprised of a hollow sleeve having a relatively large number of perforations therein normally to permit unrestricted flow of steam therethrough closed at one end to form a valve disk adjacent said valve seat slidably mounted in said body, means forming a trap for liquids in said body adjacent said valve, said sleeve being open at its other end, and of a diameter substantially equal to that of said inlet, a rack on said sleeve, a pinion associated with said rack, and means associated with said pinion normally biasing said valve to open position, but adapted upon the surge of liquid into said sleeve to permit closure of said valve under the impetus of pressure of said liquid.

2,410,985
TOASTER
Oscar V. Malmquist, Minneapolis, Minn.
Application January 22, 1945, Serial No. 573,903
11 Claims. (Cl. 99—341)

1. In a bread toaster, a casing providing a narrow toasting chamber adapted to support a slice of bread in vertical position and having a rounded bottom permitting rotation of the bread slice thereon, electrical heating means within said toasting chamber, and a power driven rotary impelling device positioned to engage a marginal edge of a bread slice and impart rotary movement thereto on its marginal edge within the toasting chamber.



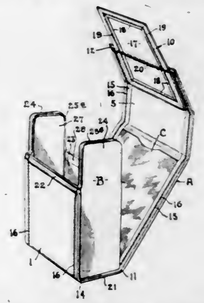
2,410,986
SHOULDER PAD FOR GARMENTS
Berthold Mechur, New York, N. Y.
Application July 17, 1945, Serial No. 605,476
1 Claim. (Cl. 2—268)



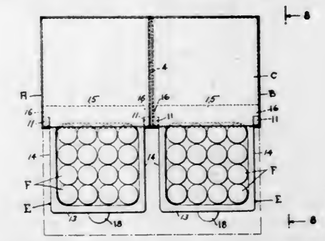
A shoulder pad for garments comprising a substantially triangular pocket formation having one open side and embodying an arcuate flexible top wall forming a mouth at said open side, a plurality of superimposable padding units of decreasing area insertable into said pocket formation from said mouth thereof and adapted to fill substantially the said pocket formation, a resilient element secured to said arcuate top wall and having a free edge, said resilient element extending in juxtaposition to said mouth to form a closure wall therefor yieldable to permit insertion of the padding units, and means for separably connecting said free edge of the resilient element to the body of the pocket formation to maintain the same in its closing position, the resilient element when maintained in closing position being substantially vertically stretched to urge the arcuate flexible top wall into contact with the uppermost padding unit inserted into the pocket formation.

2,410,987
COMBINATION CIGARETTE AND CARD CASE
George G. Mevi, New York, N. Y.
Application November 29, 1943, Serial No. 512,101
1 Claim. (Cl. 150—34)

A carrying case of the type described, comprising a receptacle and a foldable cover member, the receptacle consisting of an open-top box fixed in position on the cover member and having front, back, side and bottom panels, the front and back panels being shorter than the side panels, the cover member consisting of a strip of approximately the same width as the box member, arranged to bend into five sections to enclose the box front, back, bottom and top, said strip comprising, one, an end section of a length approximately equal to the height of the box front panel and secured thereto, two, an adjacent section of a length for covering and attachment to the box bottom, three, an adjacent section equal in length to the height of the box sides and having an inner panel secured thereto at the longitudinal margins, four, an adjacent section adapted to fold over and serve as a cover for the open top of the box, and five, a section adapted to fold down and cover the open space above the front panel of the box, a pocket formed between the cover and box front panel having a transverse opening adjacent the top edge of the panel, a broad closure tongue extending approximately the width of said pocket secured to the inner side of the last named cover section to serve as reinforcement for said cover section and adapted to enter said transverse opening and hold the abutting cover edges flush across the width of the cover, a lining strip attached along its longitudinal margins to the cover section adjacent the box front panel and projecting beyond the end of said cover section, and which lining strip is attached to the box front panel and the projecting end lapped over and secured to the upper margin of said box front panel, thereby forming the closure tongue pocket between the lining strip and said cover section, and a lining strip attached transversely to the cover member at the bend between the second and third cover sections and secured to the rear panel of the box member.



2,410,988
GAME BOARD
George G. Mevi, New York, N. Y.
Application April 13, 1945, Serial No. 588,142
3 Claims. (Cl. 273—136)



1. A game board of the class described, comprising a pair of cover-boards, a pair of individual tray housings secured to the cover-boards, a slid-

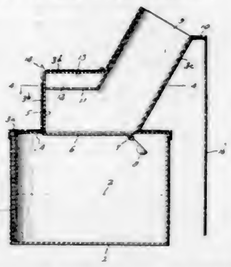
able tray in each housing, said trays having less width than the housings and a folding playing board mounted upon and secured to said housings, said cover-boards, tray housings and playing board being adapted to fold into book form, each tray housing being composed of a single sheet of material cut to form sections for folding into box-like shape open at one end and adapted to be secured to the cover-boards, a pair of stops fixed at the open end of each housing serving as closures for the spaces between tray and housing sides, and a pair of laterally projecting stops at the inner end of each tray adapted to engage the housing stops to limit withdrawal of the tray and said housing and tray stops having sliding contact with the tray and housing sides, respectively, serving as guides for the sliding trays.

2,410,989
PICTURE HOLDER
George G. Mevi, New York, N. Y.
Application April 13, 1945, Serial No. 588,143
3 Claims. (Cl. 40—152)



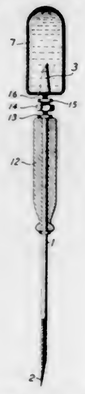
1. A holder for pictures composed of a backboard, a locking bead extending across the rear top margin of said board, a slotted base piece on the lower front margin of said board for retaining a picture at its lower horizontal margin, a sliding locking piece having a slot extending lengthwise thereof for engaging the front and rear upper margins of said board, said slot extending laterally at the top to form a mortise for engaging the locking bead, and extending laterally in the opposite direction at the bottom to form a mortise for retaining a picture at its upper horizontal margin.

2,410,990
RAT TRAP
Richard Allen Miller, Milford, Va.
Application December 8, 1942, Serial No. 468,267
2 Claims. (Cl. 43—69)



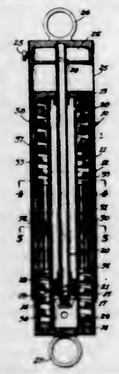
1. A rat trap of the character described comprising a water container having a removable top lid provided with a central opening, a chamber rigid with and rising from the lid in surrounding relation to said opening, an entrance tube rigid with and extending upwardly from said chamber at one side of the latter, said tube being inclined upwardly and outwardly beyond one side of the container and having an outwardly projecting lip at its upper end, bait-holding means in the upper portion of said chamber at the opposite side thereof from said tube, a platform hinged to the lid at the side remote from the bait holding means and weighted at its hinged side to swing upwardly for normally closing said opening, and a flexible cloth ladder vertically suspended from said lip, said lid, chamber and tube being removable as a unit from the water container.

2,410,991
HYPODERMIC INJECTION APPLYING DEVICE
Enrique Müller, Chihuahua, Mexico
Application February 12, 1945, Serial No. 577,506
In Mexico March 8, 1944
4 Claims. (Cl. 128—215)



1. A hypodermic instrument comprising a tubular needle having an injecting point at one end and an enlargement at the other end, said enlargement tapering to a capsule-puncturing point at the end of the needle and terminating in a shoulder spaced axially inward from said point.

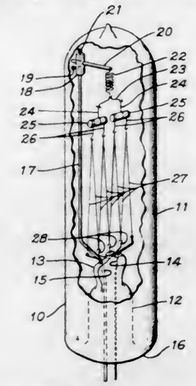
2,410,992
FLOATING SHOCK ABSORBER
Nils O. Myklestad, Pasadena, Calif.
Application November 27, 1944, Serial No. 565,313
6 Claims. (Cl. 188—88)



1. A shock absorber comprising means providing two concentric cylinders communicating with

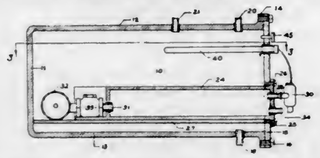
each other at their ends, a piston reciprocable within the inner cylinder, a sleeve movably fitting in the outer cylinder, strictures formed in the sleeve restricting flow therethrough, and means for retarding movements of the sleeve.

2,410,993
SUPPORT FOR FILAMENT ASSEMBLIES
Reuben A. Nelson, Sligo Park Hills, and William O. Smith, Silver Spring, Md.
Application September 4, 1944, Serial No. 552,664
2 Claims. (Cl. 176—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



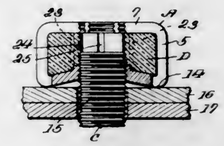
1. A support for filament assemblies having a plurality of segments of the type which are mounted in sealed envelopes, which comprises a standard mounted in said envelope, a crossarm yieldably supported on said standard and rotatable about an axis through its point of support perpendicular to the plane of the filament segments, insulating members supported from each end of and lying in the same plane as said crossarm and universally movable with respect to said crossarm, said members being rotatable in said plane in the manner of a singletree, hook members arranged on said insulating members for supporting one end of said segments, said crossarm, insulating members and hook members being assembled all in one plane after the manner of singletrees attached to a multiple tree, and hook members mounted in said envelope to support the other end of said segments.

2,410,994
WATER HEATER
William J. O'Brien, Syracuse, N. Y.
Application March 30, 1943, Serial No. 481,164
1 Claim. (Cl. 257—2)



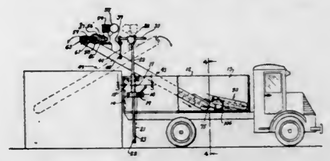
A water heater comprising a casing, a closed steam chamber arranged within the casing, said casing being provided with a cold water inlet and a hot water outlet, said inlet and outlet being arranged to cause the flow of water from the inlet to the outlet to pass in heat exchanging relation to said steam chamber, said steam chamber being formed with a steam inlet and a steam outlet, a steam diffusing member arranged in the casing and positioned in the water flow intermediate said water inlet and outlet and connected to said steam outlet through a check valve, said steam inlet being connected through a thermostatically controlled regulator operable to control the flow of steam to said steam chamber to maintain the water in the casing at all times within a predetermined temperature range, said check valve being operable to permit steam to discharge from said steam chamber through said diffusing member when the steam pressure in said chamber exceeds the water pressure in the casing, whereby the steam is diffused in the water through the diffusing member.

2,410,995
SHEET METAL LOCK NUT
Raymond G. Olson, Jr., Chevy Chase, Md.
Application July 22, 1944, Serial No. 546,116
4 Claims. (Cl. 151—7)



4. A device of the character described comprising, a deformable hollow sheet metal nut having a bottom, side walls and a top, said bottom being provided with a threaded opening, said top comprising a plurality of jaws forming a threaded opening in axial alignment with said bottom opening, said openings being for the reception of a threaded bolt, the bottom of said nut being concaved, an insert composed of elastic material positioned within said nut and held against rotation therein, said insert being provided with an opening of like diameter to that of the opening in the nut bottom, the opening of the insert being positioned in axial alignment with both of the nut openings, said insert having a plurality of side walls, cut-out portions forming slots alternate of said side walls, and a plurality of slots cut in said insert and extending radially from its opening and being positioned intermediate the slots of said side walls.

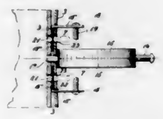
2,410,996
GRAIN UNLOADING AND LOADING MECHANISM
Roy I. Patterson, Golden Valley, Minn.
Application March 15, 1944, Serial No. 526,831
4 Claims. (Cl. 214—83)



2. A device for transferring grain from one container to another, comprising an elevating leg, means for supporting the leg so that it may be moved to many different positions extending an-

gularly into and to rest upon the bottom of the grain holding container and to overlie with its discharge end the other container, a main conveyor in said leg, means including a motor on the leg for driving the conveyor, a supplemental leg formed with open ends, an endless chain conveyor therein, adjustable supporting means for holding the supplemental leg at any desired angle and so that it can not be tilted laterally, the sides of said supplemental leg being curved where they contact the floor and so aiding in preventing tilting, said leg being adapted to be readily positioned manually on any part of the floor of the container and at any angle so as to deliver to and upon the lower end of the main conveyor, and means for effecting driving connection between the main conveyor and the supplemental conveyor for driving the latter in any of its said positions.

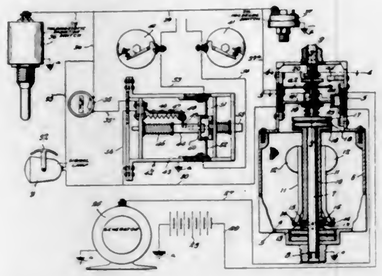
2,410,997
SOCKET FOR FLUORESCENT LAMPS
Daniel Pesin, Wilde, Argentina
Application February 25, 1944, Serial No. 523,797
In Brazil August 25, 1943
1 Claim. (Cl. 173—328)



In a mounting for fluorescent lamps, a capsular cap enclosing an insulating block consisting of two superposed discs of insulating material provided with aligned plug holes for the plugs of a lamp base, means for supporting said insulating block in said capsular cap, and two contact elements, each comprising an angle plate having two wings at substantially right angles to each other, one of said wings being provided with an axial slit and with two intermediate opposite notches to form a plug receiving opening, said slitted wing being inserted between the two discs constituting said block with its plug receiving opening in register with the corresponding plug holes in said discs, the other wing of each angle plate passing through a slot in one of said discs and carrying means for attaching a lead terminal thereto.

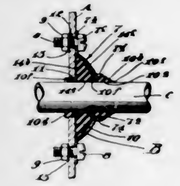
2,410,998
ELECTRIC SPEED CONTROL AND MOTOR PROTECTOR
Charles N. Reavis, Raleigh, N. C., assignor of two-thirds to Silas B. Coley, Raleigh, N. C.
Application September 11, 1943, Serial No. 502,012
4 Claims. (Cl. 180—82.1)

1. A protective system for a motor vehicle having an engine, comprising a generator, a battery, an electrical engine stopping device including a time delay switch, said switch including a heating coil and means including a thermo-sensitive element under the influence of said heating coil for closing the circuit of said device when said element is heated by said coil, a second switch automatically rendered operative to close the circuit of said heating coil by an undesired operating condition of the engine, and a centrifugal switch responsive to the speed of travel of the vehicle for automatically connecting the generator with said heating coil until the vehicle attains a predetermined speed of travel and for automatically disconnecting said generator from and connecting the battery to the heating coil



when the vehicle exceeds said predetermined speed.

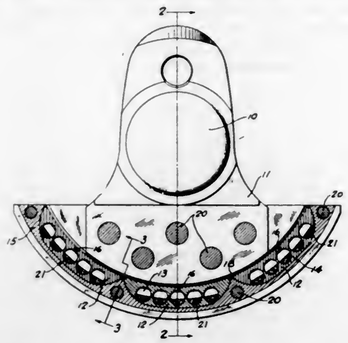
2,410,999
BULKHEAD CONDUIT SUPPORT AND SEAL
Joseph Henry Reisner, Hagerstown, Md., assignor to Adel Precision Products Corp., a corporation of California
Application November 16, 1942, Serial No. 465,777
5 Claims. (Cl. 285—30)



1. In a support for a conduit which is passed through an opening in a member in which it is desired to seal said opening, a cushion of compressible material having a sealing surface for engaging said member around the opening therein, and a conduit seating surface for embracing and forming a seal around the conduit, a tubular extension of said cushion projecting through and lining the opening in said member, and means for supporting said cushion on said member and holding the cushion and said tubular extension thereof under compression against said member and the conduit, said tubular extension of said cushion forming a permanent part thereof.

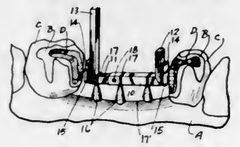
2,411,000
LIQUID TYPE VIBRATION DAMPER
Albert M. Rockwell, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 30, 1944, Serial No. 528,707
2 Claims. (Cl. 74—604)

1. A vibration damper of the liquid pendulum type comprising, a rotatable member, a container mounted thereon having a plurality of pockets, a liquid partially filling each of said pockets, means to restrict but not prevent liquid flowing from one pocket to another, said container having a filling opening extending from the inner surface of said container, a cap member secured to and enclosing the outer and side portions of said container for retaining said liquid within said pockets and retaining said pockets in an arcuate series, said container and cap member being permanently secured together along the periphery of said cap member, and means to secure said



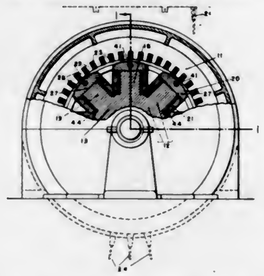
container in fixed position to said rotatable member.

2,411,001
DENTAL PRECISION BRIDGE DEVICE
William C. Rothkranz, Bronx, N. Y.
Application September 30, 1943, Serial No. 504,346
10 Claims. (Cl. 32—5)



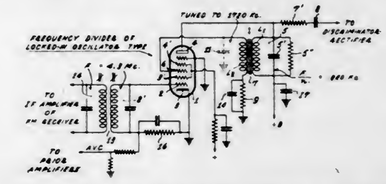
1. A dental precision bridge or denture device, comprising a non-rotative telescoping tube and bar, right angle members mounted on the outer ends of said tube and bar for holding male attachments and jackets in parallelism, and male attachments mounted on said right angle members and in parallelism, said right angle members extending above said male attachments to act as handles.

2,411,002
DAMPER SYSTEM FOR SYNCHRONOUS GENERATORS
Reinhold Rudenberg, Belmont, Mass.
Application December 31, 1942, Serial No. 470,867
16 Claims. (Cl. 172—120)



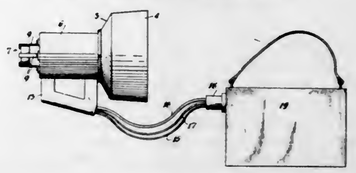
1. In a synchronous generator, a rotor having a field system including poles and field windings surrounding said poles for producing a magnetic field in the direct axis of said field system; said rotor further having damper circuits about the direct axis and damper circuits about the quadrature axis of said field system; said damper circuits about the direct axis, to the exclusion of any direct axis damper system near the peripheral faces of said poles, disposed in spaced relation to said peripheral pole faces and substantially within the rotor space surrounded by the peripheral zone comprising the bypaths which close the magnetic leakage fields on said rotor respectively between and transversely of said field poles.

2,411,003
LOCKED-IN OSCILLATOR CIRCUIT
William F. Sands, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 14, 1944, Serial No. 518,252
3 Claims. (Cl. 250—36)



3. In a frequency dividing locked-in oscillator circuit, an electron discharge tube having at least a cathode, a grid and an anode, a resonant circuit connected to said anode, means for controlling the electron stream of said tube at a frequency which is to be divided, said resonant circuit being tuned to the fifth subharmonic frequency of the controlling frequency, an oscillation transformer including the coil of said resonant circuit as one of the windings thereof, a second winding of the transformer being connected to the grid of said tube, the second winding being tuned to the second harmonic of the frequency of said resonant circuit, the oscillator grid voltage-anode current characteristic being non-linear, said transformer comprising an insulation form provided with an adjustable iron core, said windings each consisting of a plurality of series-connected sections, and the sections of said second winding being adjustable relative to the sections of the first winding.

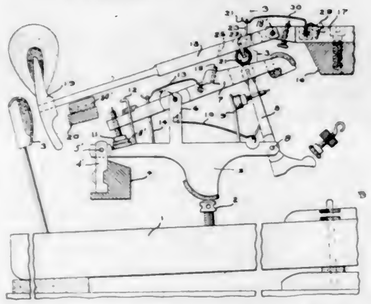
2,411,004
SOUND AMPLIFYING APPARATUS
Arthur J. Sanial, Flushing, N. Y.
Application September 1, 1943, Serial No. 500,785
13 Claims. (Cl. 179—1)



1. An electronic megaphone comprising in combination a loudspeaker; and, a microphone located out of the direct soundpath of the loudspeaker, the microphone having openings for the entry of sound waves on opposite sides of its diaphragm so that sound waves emanating from a source relatively remote therefrom will strike opposite sides of said diaphragm substantially simulta-

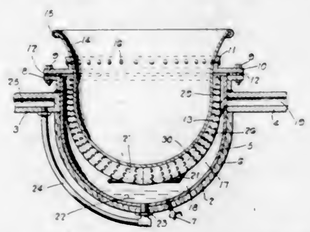
neously and effect substantially no energizing of said diaphragm whereas sound waves emanating from a source closely adjacent to one side of said diaphragm will strike opposite sides of said diaphragm successively and energize said diaphragm.

2,411,005
ESCAPEMENT ACTION FOR GRAND PIANOS
Reinhard Schulze, Baltimore, Md.
Application April 7, 1945, Serial No. 587,091
4 Claims. (Cl. 84—239)



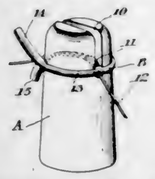
1. A grand piano action comprising a hammer rail having a hammer flange fixed thereon, a hammer stem with a hammer thereon, the stem being pivoted to said flange, a knuckle on the underside of said stem near the pivoted end thereof, a pivot extending transversely of said flange, a piece of resilient wire having its intermediate portion coiled about said pivot, said wire having one end secured to said flange and the other end secured to said stem adjacent the knuckle, to exert a lifting action on the hammer stem.

2,411,006
STEAM KETTLE
Renwick J. Sharp, Guatemala, Guatemala
Application January 18, 1945, Serial No. 573,429
1 Claim. (Cl. 126—378)



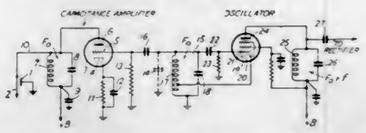
The combination with a steam kettle having inner and outer spaced shells forming a steam chamber and a steam inlet and a condensation outlet; of a plurality of reinforcing and heat transferring ribs provided in closely spaced relationship extending upwardly over the outer surface of the inner shell from a common radiating point at its bottom and in vertical planes extending radially of the inner shell said ribs extending into the steam chamber and having a plurality of vanes punched laterally from said ribs and thereby forming a plurality of closely spaced openings therein and said vanes extending angularly and upwardly at about 45 degrees from the body of ribs, and insulation about the outer shell.

2,411,007
MEANS FOR FASTENING CONDUCTORS TO INSULATORS
Douglas Thomas Shaw, Montreal, Quebec, Canada
Application March 9, 1943, Serial No. 478,537
In Canada February 27, 1943
2 Claims. (Cl. 174—172)



1. The combination with an insulating member having a peripheral end groove and a transverse slot in which a wire is adapted to be inserted, of a fastening member comprising an open-ended retaining ring adapted to fit in the groove and to be retained therein by the spring of the metal, at least one end of the spring being bent away from the plane of the ring at an angle and adapted to ride over a wire inserted in the slot.

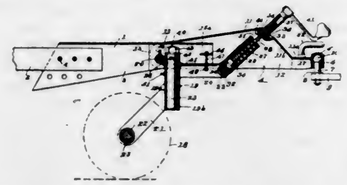
2,411,008
TRANSDUCER SYSTEM
Chester M. Sinnett, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1944, Serial No. 565,462
7 Claims. (Cl. 179—100.4)



1. In combination, an oscillator having a resonant tank circuit tuned to a desired frequency, a reactance device having a displaceable element responsive to a physical force for varying the reactance of said device, and the improvement which comprises an electron discharge tube having at least a cathode, control grid and plate, a second resonant circuit connected beween the cathode and plate tuned substantially to said desired frequency, means electrically connecting the grid to cathode capacity of said tube across said tank circuit, means connecting the reactance device across said second resonant circuit for providing frequency variations of the latter in response to displacements of said element thereby to cause corresponding variations of said grid to cathode capacity, and means for deriving from oscillations variable in frequency, due to said capacity variations, a voltage representative of said physical force.

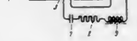
2,411,009
TRAILER COUPLER
William L. Slimp, Los Angeles, Calif.
Application March 19, 1945, Serial No. 583,576
9 Claims. (Cl. 280—33.44)

1. In a trailer coupler for connecting a trailer to a towing vehicle, the combination of a trailer coupling member and a towing coupling member attached respectively to the trailer and to the towing vehicle, said members having a coordinated construction enabling the same to be coupled together by a relative movement in a general vertical direction, a ground-wheel, a bracket including a body pivotally connected to the trailer coupling member to swing in a substantially vertical plane, and having a forwardly projecting extension, said bracket including a wheel arm located below said forwardly projecting extension, and having a bearing for the ground-wheel, means connecting said bracket to the said body to swing on a substantially vertical



axis, said wheel arm extending rearwardly from said axis, and resilient means connected with said forward extension of said bracket and exerting pressure upon said forward extension that resists the pressure of the road surface against the ground-wheel, and in a direction inclined to said extension so that as the downward movement of the forward extension increases, the leverage arm of the resilient means increases.

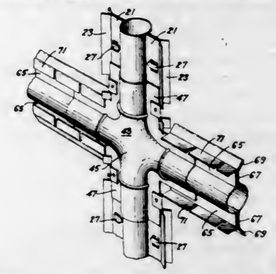
2,411,010
ELECTRICAL MEASURING INSTRUMENT
Allen G. Stimson, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 9, 1944, Serial No. 539,546
1 Claim. (Cl. 172—245)



An alternating current electrical measuring instrument comprising a magnetic field core structure and energizing coil therefor, a moving coil armature within the field produced by the field core structure, said armature having a tuned circuit and the instrument operation being due to changes in the phase angle of the fluxes produced by the field and armature by reason of a shift in the phase angle of the armature flux in response to a variable to be measured, and a secondary coil on the field core from which said armature circuit is energized by transformer action from the field coil acting as a primary in order to maintain a substantially fixed phase relation between the field flux of the instrument and the excitation voltage of said tuned armature circuit.

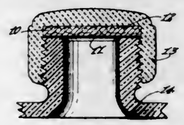
2,411,011
MEANS AND METHOD OF GROUTING
Arthur E. Troiel, Berkeley, Calif.
Application January 26, 1942, Serial No. 428,148
5 Claims. (Cl. 138—66)

2. A grouting system including vertical pipes, each pipe comprising a pair of longitudinal half pipe sections, one of said half pipe sections having a plurality of longitudinally spaced laterally directed tabs associated therewith, while said other half pipe section has a plurality of correspondingly located tabs, bent over adjacent tabs of the first half pipe section in interlocking asso-



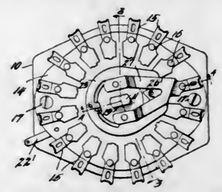
ciation with each other to weakly hold said half pipe sections in pipe forming assembly.

2,411,012
CONTAINER CLOSURE
Roger N. Wallach, Briarcliff Manor, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 30, 1941, Serial No. 424,849
10 Claims. (Cl. 215—40)



2. A liquid-container closure having therein a sealing gasket comprising a mixture of artificial fibers, said fibers comprising fibers which will swell in the liquid held in the container and other fibers which are inert to said liquid, said other fibers adhering to swellable fibers to bind them and fix them in position in a resilient, compressible fibrous structure which does not suffer loss of form as a result of swelling of the swellable fibers.

2,411,013
ROTARY SELECTOR SWITCH
Herbert R. Warnke, East Orange, N. J., assignor to United States Instrument Corporation, East Orange, N. J., a corporation of New Jersey
Application May 24, 1944, Serial No. 537,088
8 Claims. (Cl. 200—11)



1. In a multi-position switch, a base plate, a plurality of generally annular terminal plates supported from said base plate in spaced, aligned relation, a plurality of terminal members supported in circular, spaced relation on each said terminal plate, each said terminal member having a contact portion, a shaft rotatably mounted in said base plate and extending through the central openings of said terminal plates, a plurality of contact supports carried by said shaft, one said contact support being substantially in

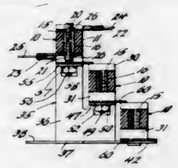
the plane of each said terminal plate, a contact arm mounted on each said contact support, a common terminal mounted on each said terminal plate and having an annular contact portion surrounding the central opening therein, contact means carried on each said contact arm for slidably engaging the contact portion of the adjacent common terminal, and contact means carried on each said contact arm for successively engaging the contact portions of the adjacent terminal members as said shaft is rotated.

2,411,014

TERMINAL BLOCK

Herbert R. Warnke, East Orange, N. J., assignor to United States Instrument Corporation, East Orange, N. J., a corporation of New Jersey

Application June 21, 1944, Serial No. 541,369
6 Claims. (Cl. 173—324)



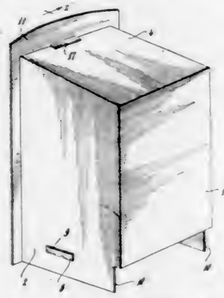
1. A terminal block assembly comprising a plurality of substantially rectangular terminal blocks arranged in echelon whereby no plane containing a surface of any one of said blocks intersects a surface of any other block, brackets supporting said blocks in such relationship, and opposite pairs of faces on each block which are parallel with the corresponding faces of all other blocks being provided with conductor terminal attaching means.

2,411,015

RECEPTACLE FOR WASTE DISPOSAL

Barry S. Wolff, Millington, and Herman Gottesman, Park Ridge, N. J.

Application May 11, 1944, Serial No. 535,144
1 Claim. (Cl. 229—23)



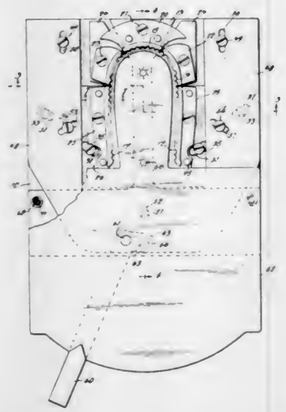
A receptacle of the character described comprising a blank of sheet material having upper and lower portions and side extensions between the upper and lower portions, said blank being folded across inner ends of the upper and lower portions and along inner ends of the side extensions to form a front wall and a top and a bottom for the receptacle and side walls having front ends integral with side edges of the front wall, the side walls having lower end portions projecting downwardly from the bottom at opposite sides thereof, tongues extending laterally from opposite side edges of the bottom and passing outwardly through slits formed transversely of the side walls in alignment with the lower end of the front wall and bent flat against the outer surfaces of the side walls to secure the bottom at its side edges to the side walls, a rear wall formed of sheet material and having its upper end portion and its side edge portions projecting beyond the rear edges of the top and the side walls, the bottom having a tongue extending from its rear end and passing through a slit formed transversely of the lower end portion of the rear wall and bent flat against the rear face of the rear wall, the side walls having tongues extending from their rear edges and passed through vertical slits in side edge portions of the rear wall and formed with depending fingers engaging the rear face of the rear wall to hold rear edges of the side walls in close contacting engagement with the rear wall, and a tongue struck from the upper portion of the rear wall and free along its sides and lower end and bent forwardly across its upper end for engaging over the rear end of the top and securing the top in closing relation to the upper end of the receptacle.

2,411,016

CUTTING DIE WITH VARIABLE CONTOUR

Santo Azzara, New York, N. Y., assignor of fifty per cent to Andrew Geller Shoe Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York

Application May 3, 1945, Serial No. 591,801
4 Claims. (Cl. 164—29)



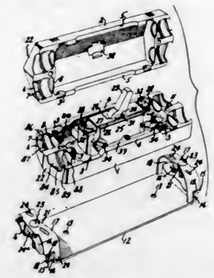
1. A cutting die provided with a variable cutting edge, the cutting die being of generally U shaped contour and formed in a plurality of sections providing a substantially unbroken cutting edge, and including an intermediate, fixed section, a movable section pivotally mounted at each end of the fixed section, and a movable terminal section adjoining each end of the first movable sections, means for limiting movement of the terminal sections to substantially straight-line movement generally toward and away from each other, an operating lever for causing simultaneous movement of the terminal sections toward and away from each other, and drag-link means connecting the inner ends of the terminal sections with the free ends of the pivoted sections to cause movement toward and away from each other during similar movement of the terminal sections.

2,411,017

OUTLET BOX AND GROUND STRAP PROVIDED WITH CABLE CLAMPS

George B. Benander, Oaklawn, R. I., assignor to Monowatt Electrical Corporation, a corporation of Connecticut

Original application April 11, 1942, Serial No. 438,545. Divided and this application April 19, 1944, Serial No. 531,797
5 Claims. (Cl. 174—51)



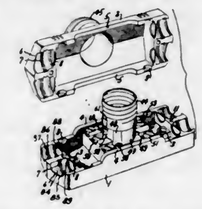
1. A metallic ground strap for use with a wiring device, said device comprising a housing of insulating material enclosing connector members, said housing comprising a base having a flat bottom adapted to rest on a supporting surface and a cover, and having cable admission openings and associated clamps for non-metallic armored cable, said ground strap comprising a flat strip of metal having upturned flanges integrally formed therewith at the ends of said strip, said flanges being spaced to receive between them said housing, said flanges having inwardly curved top surfaces on which the metallic armor of a metallic armored cable may lie, top clamp members having downwardly facing surfaces complementary to said first named surfaces, and screws for positioning the top clamp members with respect to said flanges, the spaces between said flanges and clamp members being so positioned that they are adapted to stand in line with the cable admission openings of said wiring device.

2,411,018

WIRING DEVICE

George B. Benander, Oaklawn, R. I., assignor to Monowatt Electrical Corporation, a corporation of Connecticut

Original application April 11, 1942, Serial No. 438,545. Divided and this application April 19, 1944, Serial No. 531,798
3 Claims. (Cl. 173—338)



1. In a combined outlet and outlet box, a box having openings for power conductors leading into and out of the box, said box having a base for attachment to a support, a projection on the base having a screw shell and center contact mounted on top of said projection, terminals on opposite sides of the box connected respectively to the screw shell and center contact, a bus bar extending over the projection intermediate the terminals and beneath and insulated from the screw shell and center contact, and a cover enclosing the parts on the base and having a part surrounding the screw shell and defining an opening in line with the screw shell.

2,411,019

METHOD OF FORMING CARBOXYLIC ACID SUBSTITUTED AMINES

Frederick C. Bersworth, Verona, N. J.

No Drawing. Application May 1, 1943, Serial No. 485,343
5 Claims. (Cl. 260—112)

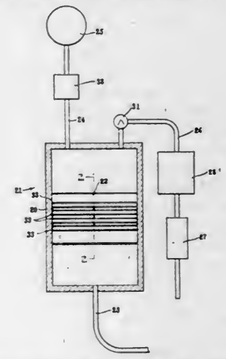
1. The method of treating protein materials to convert the alpha amino acid content of the protein into metal salts of carboxylic acid substituted amines having a desired mono to poly molecular chain length protein hydrolysate substituent group therein, which comprises suspending the protein in water and hydrolyzing the alpha amina acid content of the protein in the presence of an inorganic base and an organic base consisting of an aliphatic amine having at least one amino nitrogen group containing at least one displaceable amino hydrogen therein, by heating the suspension to a refluxing temperature under a positive pressure of the uncondensed gases evolved from said suspension sufficient only to prevent the entry of atmospheric gases to the reacting compounds of said suspension, the excess pressure of said uncondensed gases being vented to the atmosphere, the amount of said inorganic base being at least sufficient to provide sufficient metal ions to neutralize all carboxylic acid groups of the alpha amino acids reconstituted during hydrolysis and the amount of said organic base being in large excess of that amount providing at least one displaceable amino hydrogen for each alpha amino nitrogen group of the neutralized reconstituted alpha amino acids, the time interval of heating being selected to provide the said desired chain length in the neutralized alpha amino acid hydrolysate product for substitution reaction with said organic base.

2,411,020

FLUID COMPRESSING APPARATUS

Victor V. Blasutta, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio

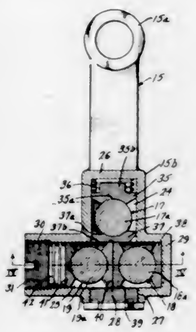
Application October 27, 1943, Serial No. 507,862
7 Claims. (Cl. 309—7)



2. Fluid compressing apparatus comprising, in combination, a cylinder; a piston movable in said

cylinder, said piston having a plurality of annular grooves in the outer side wall thereof; sealing means in the outermost grooves and engaging the inner wall of said cylinder; wiping means in an intermediate groove for engaging the inner wall of said cylinder; said piston having passages extending to the side wall between adjacent grooves and a common passage connected with the first-mentioned passages and leading to one end of the cylinder; and valve means in the common passage between the end of the piston and the point of connection of the first passage therewith.

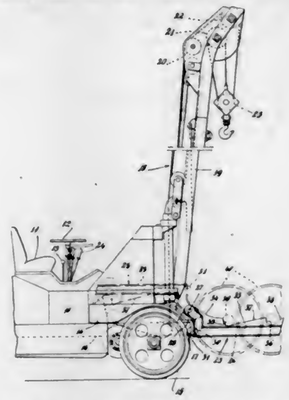
2,411,021
STEERING JOINT ASSEMBLY
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 8, 1944, Serial No. 567,269
8 Claims. (Cl. 287—90)



1. A center steering arm for an independent wheel suspension steering assembly which comprises an arm member having an eye on one end thereof and a housing on the other end thereof, said housing having a first bore longitudinally of said arm and a second bore intersecting said first bore transversely of said arm, each of said bores having an open end, a drag link joint assembly mounted in said longitudinal bore, a pair of tie rod joint assemblies mounted in said transverse bore, a spring in each bore maintaining said joint assemblies in operative relation, and closure plugs closing the open ends of said bores.

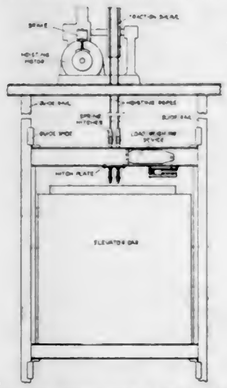
2,411,022
RETRACTABLE FRONT CARRIER ATTACHMENT FOR MOBILE CRANES
Maurice M. Botnick, Brooklyn, N. Y., assignor to Silent Hoist & Crane Co., Brooklyn, N. Y., a partnership
Application October 15, 1945, Serial No. 622,383
6 Claims. (Cl. 214—65)

1. In combination, a mobile vehicle having a rigid bumper extending transversely of the vehicle forwardly of the traction means thereof and rigidly mounted on the chassis of the vehicle, a pair of article supporting members pivotally mounted in spaced apart relation on the bumper and movable in transverse relation thereto, said members when in article supporting position extending substantially horizontally forwardly of the bumper and being buttressed thereby, and being movable about their pivots to an inoperative position in which they extend toward the rear of the vehicle and means on the



vehicle for supporting the members in such inoperative position.

2,411,023
LOAD WEIGHING DEVICE
William Henry Bruns, Lincolndale, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application April 28, 1945, Serial No. 590,880
7 Claims. (Cl. 265—27)

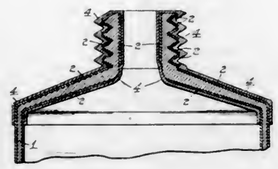


1. A device for weighing the load in an elevator car the supporting cross beam of the framework for which is formed of spaced cross members, said device comprising; a stiff cantilever having a welded connection at one end to the cross beam in such position that the deflection of the cross beam with respect to the other end of the cantilever is the average deflection of said members; mechanism connected to said cantilever for amplifying said deflection of said cross beam; and load responsive means carried by said cross beam in position to be operated by said amplifying mechanism.

2,411,024
METHOD OF PRODUCING COLLAPSIBLE TIN COATED METAL TUBE CONTAINERS
Otto Johannes Bruun, Stoke Poges, England
Application February 27, 1943, Serial No. 477,429
In Great Britain July 31, 1942
1 Claim. (Cl. 29—148.2)

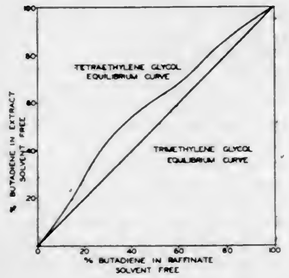
The method of producing a collapsible tin

coated metal tube container with an integral spout, which comprises extruding the container and spout from a tin coated lead blank so that a tin coating is formed on both the inside and



the outside, and subsequently superimposing a further layer of substantially non-toxic and non-corrodible metal on the inside and outside of only the spout region by electro deposition.

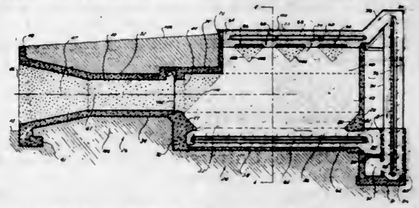
2,411,025
SOLVENT EXTRACTION OF UNSATURATED HYDROCARBON MIXTURES
Charles A. Coghlan, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 9, 1944, Serial No. 521,628
5 Claims. (Cl. 260—681.5)



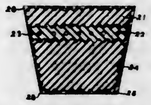
1. The process for separating butadiene from hydrocarbon mixtures containing it and C_4 mono-olefins which comprises subjecting a C_4 hydrocarbon mixture of said olefins to contact with a polyethylene glycol having a molecular weight in the range from that for tetraethylene glycol up to 1000, selectively dissolving butadiene in said glycol during said contact, withdrawing said solution from undissolved mono-olefin hydrocarbons, and recovering dissolved butadiene from the glycol solvent.

2,411,026
FIRING RANGE BUTT
William S. Conner, Long Beach, and Charles B. Wilkie, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application February 21, 1944, Serial No. 523,376
11 Claims. (Cl. 273—102.4)

1. In a butt for a firing range, the combination of: a retaining wall structure; a mass of relatively movable granules confined by said structure, said structure being formed with an opening to permit projectiles to be fired into said mass without striking said structure; and means mounted within said structure outside of the path of said projectiles for moving said mass transversely of the path of the projectiles through said mass.

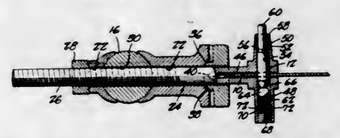


2,411,027
DUAL INTERSECTING WIRE TUBE BELT
Melvin A. Crosby, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application March 8, 1943, Serial No. 478,433
11 Claims. (Cl. 74—233)



1. As a new article of manufacture, a belt comprising tension, neutral axis and compression sections of rubber composition having a woven wire cloth wrapper therearound and woven wire cloth completely surrounding the neutral axis section, said neutral axis section including a plurality of parallelly laid cords lying along the longitudinal axis of the belt.

2,411,028
SAW HANDLE
Aaron Davies and Elmer Smith, Baker, Oreg.; Grace Davies administratrix of said Aaron Davies, deceased
Application November 17, 1943, Serial No. 510,688
2 Claims. (Cl. 145—111)



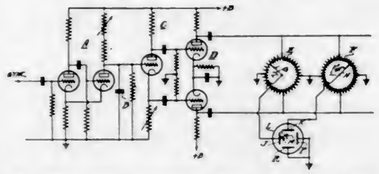
1. In combination with a crosscut saw blade having an opening adjacent one end thereof, a handle structure comprising a shaft having a slot to receive the end of the saw blade, a hand grip having an opening loosely receiving said shaft, first and second bodies bored to loosely receive said shaft and positioned on opposite sides of said hand grip, said first body having means engaging the end of the saw blade, said shaft having lateral extensions provided with a bore intersected by said slot, a latch pin slidably guided in said last mentioned bore at one end thereof to pass through the slot for insertion through the opening in the saw blade, a spring pressed ball located at the other end of the bore, said ball engaging one end of the latch pin to normally position said end adjacent one side of the slot with the ball projecting partly through the slot to be engaged by the saw blade and fall into the opening therein to align the latch pin with said opening, said latch pin being projectable through the opening against the tension of said spring and being frictionally held to the saw blade to resist retraction by said spring, by

a nut threadably connected with the shaft adapted to engage said second body to clamp the hand grip between the first and second bodies and the saw blade between the first body and said latch pin, and means limiting the retractable movement of the latch pin.

2,411,029
SUBRESINOUS POLYESTERS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 3, 1943, Serial No. 478,597. Divided and this application September 2, 1943, Serial No. 501,031
6 Claims. (Cl. 260—404.8)

1. Sub-resinous polyesters having at least one free carboxyl radical, in which the radical derived from the alcohol of said sub-resinous polyester is that of a di-(polyalkylene glycoxy) alkane in which the ankenyl radical is selected from the group consisting of the aliphatic alkenyl radicals containing from 8 to 18 carbon atoms and the dicyclohexenyl dialkyl methanes in which each alkyl radical contains less than 3 carbon atoms, each polyalkylene glycoxy chain contains from 5 to 20 alkylene glycol radicals, and the alkylene radical is selected from the group consisting of ethylene and propylene, and the polycarboxy acid radical of said sub-resinous polyester is that of a polycarboxy acidic fractional ester of a ricinoleic acid glyceride and has a plurality of free carboxyl radicals.

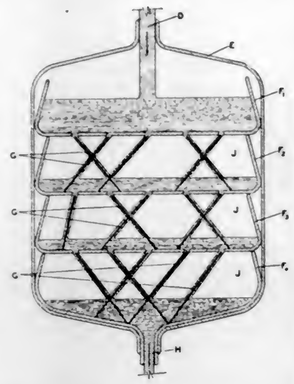
2,411,030
CATHODE-RAY TUBE SYSTEM
Herbert De Ryder, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,183
3 Claims. (Cl. 315—24)



1. A deflection system for cathode ray tubes comprising a source of voltage pulses, a plurality of variable voltage dividers connected to said source and mechanically connected to a common control shaft, said voltage dividers being so constructed and arranged that the amplitudes of the voltages appearing at the output terminals of one group of said voltage dividers are proportional to the cosine of the angle of position of said control shaft, and the amplitudes of the voltages appearing at the output terminals of another group of said voltage dividers are proportional to the sine of the angle of position of said control shaft.

2,411,031
MANUFACTURE OF OPTICAL GLASS
Alden J. Deyrup, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 10, 1943, Serial No. 478,649
2 Claims. (Cl. 49—77)

1. The method for homogenizing glass which comprises melting a glass mass, simultaneously withdrawing contiguous portions of said mass in adjacent separate streams, interspersing said adjacent streams and uniting them to form a second glass mass in which some contiguous portions were non-contiguous portions in said first-named glass mass.



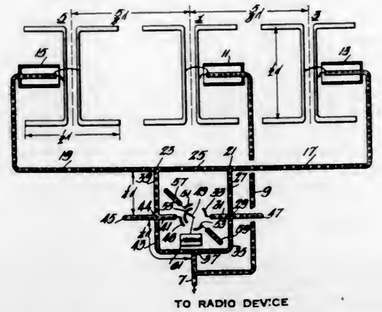
2,411,032
LUBRICANT
Ernest F. Engelke and William W. Odell, El Dorado, Ark., assignors to Lion Oil Company, a corporation of Delaware
No Drawing. Application January 11, 1944, Serial No. 517,840
9 Claims. (Cl. 252—33.6)

1. A lubricant suitable for use in an internal combustion engine, comprising a major proportion of an oil having lubricating characteristics and a minor proportion of an additive sufficient in quantity to prevent oxidation of the lubricant, the sticking of piston rings and the corrosion of bearings, said additive comprising a phosphorized mixture of a soap and a higher molecular monohydric alcohol, said soap being derived from a heavy metal and a member of a group consisting of natural waxes and artificial wax mixtures obtained in the catalytic oxidation of high molecular hydrocarbons of paraffinic crudes, the mixture being phosphorized by the use of a member of a group consisting of elemental phosphorus and phosphorous pentoxide.

2,411,033
PROCESS FOR THE COAGULATION OF CASTILLOA LATEX
Tirey Foster Ford, Arlington, Va., assignor to United States of America, as represented by the Secretary of Agriculture
No Drawing. Original application August 31, 1943, Serial No. 500,649. Divided and this application November 23, 1945, Serial No. 630,517
3 Claims. (Cl. 260—821)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

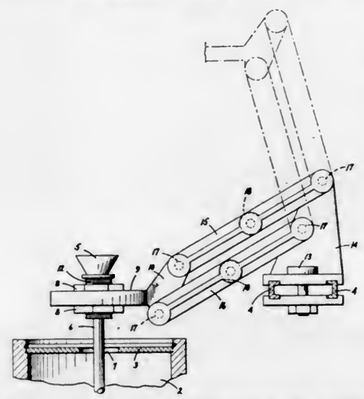
1. A process for coagulation of Castilloa latex comprising treating untreated Castilloa latex with dilute NaOH in the ratio of about 15 parts of the latex to one part of the NaOH, and then with an acid substance in sufficient quantity to neutralize the NaOH and coagulate the rubber, and heating to facilitate coagulation of the rubber.

2,411,034
LOBE SWITCHING ANTENNA
Thomas M. Gluyas, Jr., Collingswood, and Lester J. Wolf, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application February 24, 1943, Serial No. 476,888
5 Claims. (Cl. 250—11)



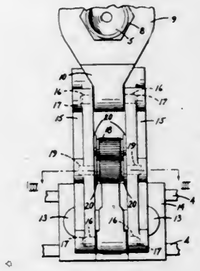
4. A radio frequency distribution circuit including a main supply line, two branch lines, two transmission line sections ½ wave length long, each connecting one of said branch lines respectively to said main line, and a transmission line section of predetermined length connecting said half wave transmission line sections to each other, switching means arranged to alternately short circuit said half wave length sections at their midpoints, said switching means comprising cyclically variable capacitor means connected to said midpoints and stub lines connecting said variable capacitor means to ground, said stub lines being of such lengths that said stub lines, together with the maximum capacitance of said variable capacitor, comprise series resonant circuits.

2,411,035
FUNNEL GUIDE MOUNTING
Hugh D. Haley, Drexel Hill, and Hiram D. Schaffer, Boothwyn, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 31, 1945, Serial No. 575,448
8 Claims. (Cl. 57—76)



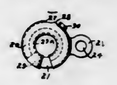
1. A guide mounting comprising means for holding the guide, a support, and two pairs of arms arranged therebetween in parallel relation one pair above the other, pivotal means connecting adjacent ends of the arms with the support, pivotal means connecting the other adjacent ends of the arms with the guide holding means and means independent of the pivotal connections disposed intermediately of each pair of arms for adjustably joining the arms together.

2,411,036
FUNNEL GUIDE MOUNTING
Hobart O. Davidson, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 16, 1945, Serial No. 594,096
6 Claims. (Cl. 57—76)



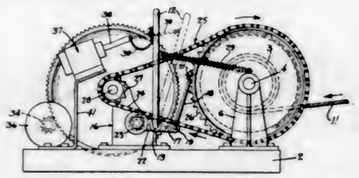
1. A guide mounting comprising means for holding the guide, a support, and at least one pair of arms arranged therebetween in parallel relation, pivotal means connecting adjacent ends of the arms with the support and additional pivotal means connecting the other adjacent ends of the arms with the guide holding means, each of said pivotal means comprising a pin extending into a bore and having a bearing surface comprising a surface of revolution whose generatrix is inclined to the axis of the pin in engagement with a corresponding bearing surface within the bore and clearances around the pins and disposed between the support and the adjacent ends of the arms and between the guide holding means and the adjacent ends of the arms, and means independent of the pivotal connections disposed intermediately of each pair of arms for adjustably joining the arms of a pair together.

2,411,037
LOCK RING
William F. Hess, Pawtucket, R. I.
Application April 21, 1943, Serial No. 483,900
3 Claims. (Cl. 24—232)



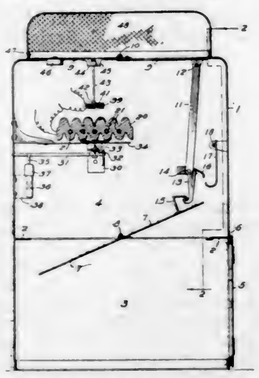
2. A lock ring comprising a base member having rounded ends, said member having an opening adjacent each end, a gap in one edge communicating with one of said openings, a lock member mounted on said base member over said gapped opening with free coaxial movement between said lock and base members, said lock member having a central opening aligning with the gapped opening in said base and having a gap adapted to align with said base gap, a node on said base member and a finger tab on said lock member engageable with said node to releasably retain said members with the gap openings in open or closed position.

2,411,038
POWER UNIT
Edgar E. Hetteen, Roseau, Minn.
Application July 20, 1944, Serial No. 545,842
3 Claims. (Cl. 254—186)



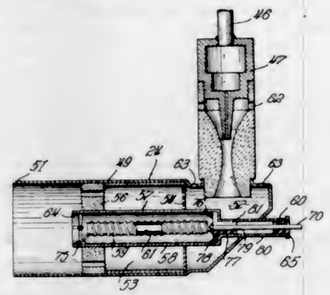
3. A power unit comprising a support, a hoisting drum mounted thereon and provided with a brake drum, a brake band partially encircling the brake drum and having one end anchored to a fixed support, a counter shaft, a chain drive for transmitting power from the counter shaft to the hoisting drum, an automobile starter motor for driving the counter shaft, a rock shaft, a brake lever fixedly mounted on the rock shaft, an arm secured to the rock shaft and having a connection with the brake band, a second arm secured to the rock shaft, a roller mounted at the outer end of said second arm and having a running connection with a run of the drive chain whereby when said chain run is taut, the roller is actuated to partially rotate the rock shaft whereby the brake band is expanded to release the hoisting drum, a spring constantly urging the roller into contact with the run of said drive element whereby when said run is slack the spring will rotate the rock shaft in the opposite direction and thereby automatically set the brake, said brake lever providing means whereby an operator may manually manipulate the brake to control the rotation of the winding drum, and electric means associated with the brake lever for electrically moving said lever into brake releasing position.

2,411,039
DRYING APPARATUS WITH AIR DESICCATING MEANS AND AUTOMATIC REGENERATING MEANS THEREFOR
Ralph V. Heuser, Weaverville, N. C.
Application October 12, 1943, Serial No. 505,931
4 Claims. (Cl. 34—50)



1. A drying apparatus comprising the combination of a drying chamber adapted to receive materials to be dried and an adsorbing chamber, said chambers having a common wall, a movable door in the wall, a moisture adsorbing unit and a heating element therefor within the adsorbing chamber, means for movably supporting said adsorbing unit, and means actuated by said supporting means when a predetermined weight of moisture has been adsorbed by said unit to energize said heating element, a second door separating the adsorbing chamber from the outer atmosphere to permit vapors liberated from the adsorbing unit, upon application of heat thereto to escape into the outer atmosphere, thermostatic means to open said second door and simultaneously effect the closing of the door between the chambers, said thermostatic means being heated simultaneously with the energizing of the heating element, and means for de-energizing said heating element when a desired weight of water has been removed from the adsorbing unit.

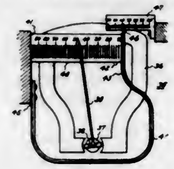
2,411,040
LIQUID FUEL PREPARING APPARATUS
Harry B. Holthouse, Jr., Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application April 7, 1943, Serial No. 482,100
5 Claims. (Cl. 158—28)



1. In internal combustion heating apparatus which is provided with means defining a combustion chamber, a fuel and air mixing unit opening into said combustion chamber and means operative to pass fuel and air through said unit to said chamber, electrical heating means open to said combustion chamber but removed from the combustion zone therewithin and positioned to preheat the fuel and air during its passage through said unit into said combustion chamber, and means for circulating air about said heating means out of contact with said air and fuel mixture and for discharging the air into the mixture adjacent the point of delivery of the mixture to said combustion chamber whereby the circulated air is heated to a temperature above the ignition temperature of the mixture and effects ignition of the mixture upon contacting said mixture at a point removed from said heating means.

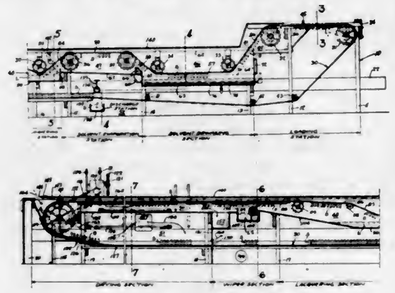
2,411,041
RELATIVE HUMIDITY METER
Frank Kahn, Philadelphia, Pa.
Application August 7, 1942, Serial No. 454,009
12 Claims. (Cl. 73—338)

1. In a direct reading relative humidity meter, a deflecting element responsive to the difference between the wet-air and dry-air temperatures of the air to be measured, a scale adapted to be varied in length, a pointer adjacent to said scale and constructed and arranged to be deflected over said scale proportionally to the deflection of said element, and means to vary the length of the scale such that the sensitivity of indication of said



pointer relative to said scale is in inverse proportion to the dry-air temperature in degrees F. less approximately 8° F.

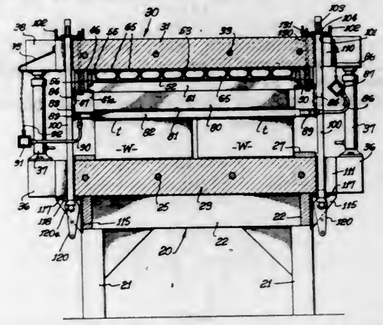
2,411,042
MACHINE FOR DEWAXING AND LACQUERING PAPER SHOTGUN SHELL CARTRIDGES
William N. King, Nicholas A. Romanchuk, and Wilbert H. Ward, Anoka, Minn., assignors to Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
Application September 16, 1944, Serial No. 554,508
10 Claims. (Cl. 91—13)



9. An apparatus for the automatic surface finishing of wax impregnated paper articles such as the tubular paper portions of shotgun shells comprising an elongated vessel having a depression along a portion thereof for containing a solvent and a drain sheet extending outwardly from one end of said depression, connected to the vat so as to drain thereinto, heating means for said vat, upwardly extending walls around the vat and drain sheet, cooling means for said walls, a conveyor having means thereon for holding the articles being treated, means for guiding the conveyor past a loading station and then downwardly into the vessel and over the depression through hot solvent vapors arising from solvent in said depression, then over the drain sheet and then out from between said walls, a lacquer vat and means for guiding the conveyor downwardly to a position to bring the articles being treated, while still hot from the solvent vapors, into lacquer in said vat and then out of said lacquer for drainage and drying.

2,411,043
THERMOPRESSURE GLUING PRESS
Edward J. Klassen, Los Angeles, Calif.
Application November 24, 1943, Serial No. 511,541
8 Claims. (Cl. 144—281)

1. In a gluing press, the combination of a support for the article to be glued, a cover over said support, means for elevating and lowering said cover relative to said support, a plurality of heating elements adapted to engage said article on said support, flexible supporting means flexibly suspending said heating elements directly from said cover, a flexible partition carried by said heating elements and suspended with said heating elements by said flexible supporting means, a chamber in said cover for a pneumatic expansion means, pneumatic expansion means in said



chamber, said chamber including a flexible bottom wall through which the pressure from said pneumatic means may be exerted downwardly, said flexible bottom wall coming against said flexible partition and said flexible partition and heating elements coming to rest against said article to be glued when said cover is lowered, and means for clamping said cover down in lowered position.

2,411,044
PARAFFIN REMOVAL
Harvey Benjaman Landrum and Clayton A. Husted, Pampa, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 11, 1942, Serial No. 446,642
7 Claims. (Cl. 134—8)



1. The method of removing paraffin adhering to the inner surface of an oil conducting conduit which comprises forcing through said conduit with the oil a solid body of naphthalene slightly smaller than the inner diameter of said conduit, said body of naphthalene being gradually dissolved during its passage through the conduit.

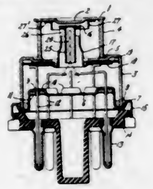
2,411,045
SKIP BAR
Charles W. Lapha, Florham Park, N. J.
Application August 17, 1945, Serial No. 611,055
6 Claims. (Cl. 164—111)



1. A skip bar for multiplying punch or like machines, comprising an elongated bar member having an upper edge located at "low" level and provided with a longitudinal groove of a length corresponding to the number of columns on a

punch card used in the machine, and a set of inserts adapted for selective snug removable reception in said groove, the inserts of said set differing in length and being of a height corresponding to "X" level.

2,411,046
ELECTRIC DISCHARGE DEVICE
Toivo M. Liimatainen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 21, 1945, Serial No. 589,487
4 Claims. (Cl. 250—27.5)



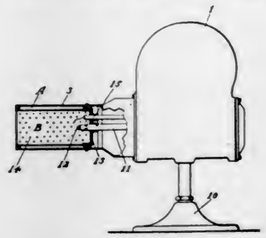
1. An electric discharge device comprising a planar cathode and at least one other planar electrode, means providing a metal support and a high frequency terminal for said cathode, a metal support for said other electrode, an envelope for said device comprising at least a portion of said means, and a generally cylindrical insulator sealed between said support and said means, a cylindrical member secured to one of said metal supports within said envelope in concentric relation with said cylindrical insulator and extending from said support in a direction to intercept material vaporized from said cathode and thereby prevent said material from depositing on said insulator.

2,411,047
ALKYLATION OF AROMATICS
Carl B. Linn, Riverside, and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 20, 1944, Serial No. 569,098
14 Claims. (Cl. 260—671)

1. A process for the synthesis of organic compounds which comprises reacting an alkylatable aromatic compound with an alkylating agent under alkylating conditions in the presence of boron trifluoride and an acid fluoride.

2,411,048
PRESSURE ATOMIZING OIL BURNER
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application October 4, 1944, Serial No. 557,119
2 Claims. (Cl. 158—28)

1. In an oil pressure atomizing burner of the kind having an oil pressure atomizing nozzle, adjacent ignition means, power mechanism to pump the oil through the nozzle at a predetermined constant pressure, a fan to supply air, means to hold back the oil supply automatically unless the air supply fan is in substantially full operation, an air tube to direct air from the supply fan to meet the oil adjacent the nozzle, the combination of a tubular cylinder, provided with many perforations closely spaced both circumferentially and axially and generally distributed over substantially the whole cylindrical surface, said cylinder being positioned inside and spaced from the air tube to form a jacket, the jacket being connected to the fan, for receiving substantially all of the air supply to be directed through the cylinder perforations in many small pressure jets, said nozzle being positioned axially to dis-



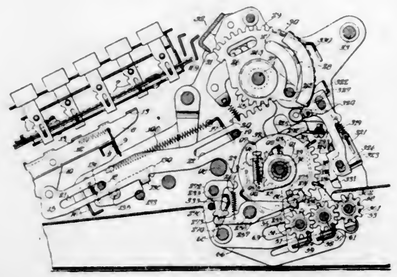
charge directly into the rear portion and generally lengthwise of the cylinder across such jets, the perforated part of said cylinder extending from the place of oil discharge and far enough inside the air tube to substantially complete oil and air mixture inside the cylinder for both starting and continuing a substantial part of the fuel combustion in said cylinder before the mixture leaves the cylinder.

2,411,049
FUNNEL
Leo J. Madden, Whitesboro, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware
Application September 17, 1945, Serial No. 616,933
7 Claims. (Cl. 57—76)



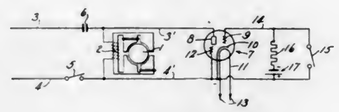
1. A funnel for spinning rayon, comprising an outer tubular member formed of at least two portions mating longitudinally, each of said portions having a plurality of similarly disposed annular recesses, a plurality of thread-guiding inserts positioned in and spaced by said recesses in the assembled relation of the parts, a substantially conical mouthpiece having a depending sleeve for containing and holding together the upper ends of said portions, a tip insert having an external flange, an annular recess adjacent to the lower ends of said portions for receiving said external flange to hold said tip insert rigidly in a predetermined position at the lower end of said funnel, and means for holding the lower ends of said portions and all said inserts in assembled relation.

2,411,050
CALCULATING MACHINE
Thomas O. Mehan, Chicago, Ill., assignor, to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1940, Serial No. 371,366
1 Claim. (Cl. 235—60)



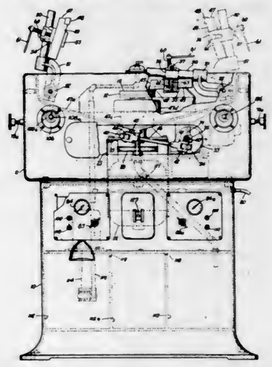
In a calculating machine, a pair of parallel shafts one above the other, type wheels on the upper shaft, accumulator driving gears on the lower shaft, numeral key-controlled means reciprocating between said shafts for driving the type wheels and said gears, sets of three pinion gears intermeshed on three adjacent shafts, one of each set being selectively engageable with the driving gears for addition, a second of each set being engageable with the driving gears for subtraction, and means co-acting with the third of each set of gears in total-taking operations for preventing the printing of zeros to the left of the highest order digit in the total, said pinion gears being arranged for reciprocation in the plane of their axes and in a direction perpendicular to their axes.

2,411,051
CONTROL APPARATUS FOR ALTERNATING CURRENT MOTORS
Theodore J. Mesh, Easthampton, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application June 19, 1944, Serial No. 540,930
3 Claims. (Cl. 172—274)



1. The combination with a single phase alternating current motor having a main field winding and a shaded pole winding for starting purposes, of a circuit including said main field winding and adapted for connection to a supply of alternating current, a grid-controlled electronic rectifier tube having its plate-cathode circuit coupled to said first-named circuit in parallel with said main field winding, an impedance in said first-named circuit in series with the plate-cathode circuit of said tube and with said main field winding and of such value as to limit the current flow through said plate-cathode circuit to a safe value, and control means operable by changing the grid potential of said tube to directly control its action and to place the same into or out of action to respectively stop the motor or enable it to operate.

2,411,052
GRINDING APPARATUS
Sterling A. Oakley, Lincolnwood, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, a corporation of Michigan
Application September 21, 1943, Serial No. 503,215
7 Claims. (Cl. 51—55)



1. In a tool grinding machine for grinding a metallic tool, a tool holder for the tool, a grinding wheel having a grinding surface, means for rotating said grinding wheel, mounting means for supporting said tool holder for movement from a non-working position remote from said wheel to a working position with reference to said wheel, said holder when in said working position holding the tool in abutting grinding contact with said grinding surface, an aeriform fluid motor connected to said tool holder for operating it to and holding it in said working position, means for conducting aeriform fluid under pressure to said motor to operate it to move said tool holder to said working position and for holding it therein, pressure regulating means controlling said fluid under pressure so that said motor gradually builds up the pressure forcing said tool against said grinding surface to a full grinding valve thereby obviating mechanical and thermal shocks to said tool, means for shutting off the supply of said fluid to said motor, means for returning said tool holder to said non-working position, and pressure release means controlling the exhaust of the fluid from said motor to gradually release the pressure between said tool and said wheel so as to give said wheel a final polishing treatment.

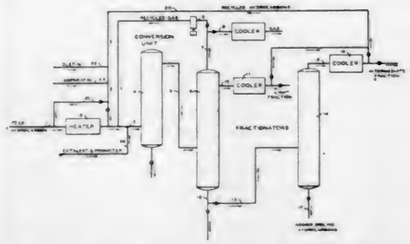
2,411,053
MONEY HOLDER
Miriam Lampl Ornsteen, New Rochelle, N. Y.
Application September 9, 1944, Serial No. 553,413
6 Claims. (Cl. 206—38)



1. A money holder comprising a body of sheet material, a jaw cooperating with said body for gripping paper money and holding the same between the jaw and the body, and coin-engaging jaws carried by said body at the opposite side thereof from the jaw for gripping paper money, one coin-engaging jaw being stationary and the other being slidable towards and away from the stationary jaw, the movable jaw being formed

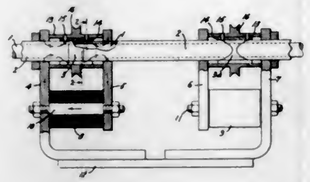
with a threaded opening and said body with a slot extending longitudinally of the jaws, and a fastener for the movable jaw including a disc disposed between the body and the paper money engaging jaw with edge portions exposed at opposite side edges thereof and a threaded stem extending from the disc and passing through said slot and engaged through the threaded opening to slidably mount the movable jaw when the fastener is loosened and hold the movable jaw stationary by frictional binding contact with the body when the disc is turned in a direction to tighten the fastener.

2,411,054
CATALYTIC CONVERSION OF HYDROCARBONS
Ernest F. Pevere, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 15, 1942, Serial No. 439,048
2 Claims. (Cl. 260—683.5)



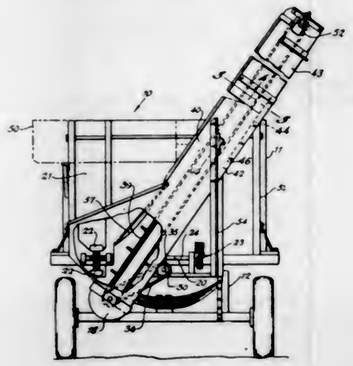
1. The method for catalytically converting normal butane to more valuable saturated hydrocarbons, which comprises forming a hydrocarbon feed mixture consisting mainly of normal butane and containing minor proportions of isobutane and a normally gaseous olefin, the olefin being present in about 0.5 to not in excess of about 10 volume per cent of the total hydrocarbon feed mixture, and the isobutane being present in from 1 to 10 mols per mol of olefin but not exceeding an amount which provides about 50% by volume on the basis of the normal butane undergoing conversion in the reaction zone, passing the said hydrocarbon feed mixture to said reaction zone and contacting the same therein in liquid phase with an aluminum halide catalyst and a hydrogen halide promoter under conditions including a temperature within the range of about 100 to 175° F., whereby isomerization of normal butane to isobutane constitutes the principal reaction and the production of normally liquid branched-chain paraffin hydrocarbons higher boiling than n-butane constitutes a substantial but minor reaction, removing hydrocarbon reaction products from said reaction zone, separating isobutane from said removed products as a principal final product of the process, separating a normally liquid fraction consisting essentially of said higher boiling branched-chain paraffin hydrocarbons as a substantial but minor final product, also separating from said products an intermediate fraction consisting essentially of unconverted normal butane with a minor proportion of isobutane, and recycling said intermediate fraction to the reaction zone, the amount of normal butane thereby converted into isobutane and recovered as such in the final product being substantially greater than when the conversion is effected under the same conditions with a feed consisting of normal butane and free from said isobutane and olefin.

2,411,055
MAGNETIC CLUTCH
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 11, 1945, Serial No. 604,399
6 Claims. (Cl. 192—84)



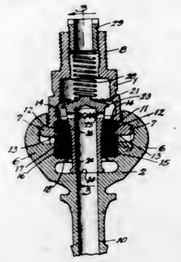
1. A magnetic clutch comprising two magnetic shaft sections rotatively supported in axial alignment and magnetically spaced apart, a plurality of magnetic plates of sector-shaped cross section grouped about said shaft sections in axially overlapping relation therewith and providing a magnetic connection between said shaft sections, the inner surfaces of said plates having a bearing fit on said shaft sections, means for supporting said plates as thus grouped while permitting limited free radial movement of the plates toward and away from the shaft sections, and means for producing at will a flux from one magnetic shaft section to the other through said plates to thereby cause the plates to clutch the shaft sections with a force proportional to such flux.

2,411,056
GRAIN HOUSING WAGON BODY
Joseph L. Ricketts, Frankfort, Ind.
Application April 25, 1945, Serial No. 590,173
2 Claims. (Cl. 214—83)



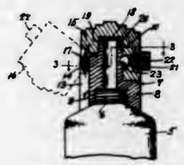
1. The described device comprising a wagon body the bottom wall of which uniformly inclines to one side thereof, a drag operating along said side within the body, a boxed in elevator having a grain receiving sump into which the drag empties, said elevator being inclined transversely of said body, said elevator being in two sections one section of which folds down upon the other section, said elevator being fixed to the rear end of said body, and means at the front of the body through which the drag and elevator are operated.

2,411,057
HOSE COUPLING
James S. Robbins, Highland Park, Ill.
Application July 2, 1945, Serial No. 602,739
1 Claim. (Cl. 284—19)



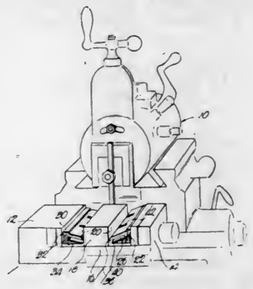
A hose coupling, comprising a pair of tubular members having detachably interlocking end to end engagement with each other, a pair of coacting packing rings respectively mounted at the abutting ends of said members, each of said rings having an annular peripheral groove intermediate its ends, each of said members having an annular shoulder abutting the inner end of its respective said packing ring and having an annular rib for engaging the peripheral groove of the packing ring, a valve in one of said members comprising a tubular stem adapted to extend through said packing rings, an enlarged closed head at the inner end of said stem, an externally tapered shank adjacent said head and converging away from said head, radial ports in said shank adjacent said head, the other said member having means for engaging the adjacent end of said stem to shift said valve and cause said ports to move inward clear of the packing ring of said one member, said one member being formed to provide a fluid passage around said valve head, means normally urging said valve to a closed position, said tapered shank being adapted in such closed position of the valve to wedgingly engage the adjacent packing ring to close said ports and simultaneously compress the ring radially against the adjacent wall of said one member when said members are separated to release said valve.

2,411,058
COLLAPSIBLE TUBE CLOSURE
John Calvin Rockwell, Mobile, Ala.
Application January 17, 1944, Serial No. 518,605
1 Claim. (Cl. 220—32)



A closure adapter comprising a body having a threaded socket for receiving the threaded neck of a collapsible tube and having a discharge opening, a closure for said discharge opening, a hinge pivoting said closure to said body, detent means for securing said closure in closed position, said discharge opening consisting of an upstanding portion of said body and defining a nipple, and recess means in said closure for receiving, seating and closing said nipple, said closure having an upper portion entirely surrounding the upper periphery of said nipple and a lower portion, U-shaped in cross section, which is cut away on the hinged side of the closure to embrace the lower portion of said nipple and said base on three sides thereof, said base being cut away within the cut away portion of said closure, said hinge means engaging said closure and said base and positioned in said cut away portions.

2,411,059
WORK HOLD-DOWN DEVICE
Charles Rubenstein, Kansas City, Mo.
Application December 26, 1944, Serial No. 569,752
3 Claims. (Cl. 90—61)

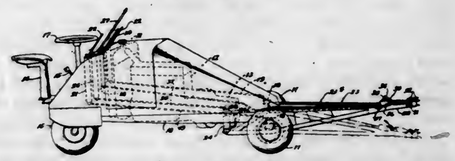


1. A hold down of the character described for use in material shaping machines having a work supporting bed and a clamp for exerting pressure against the work in a direction substantially parallel to the top of the bed, said hold down comprising a body adapted for positioning between the work and said clamp, said body having a flexible, downwardly inclined, transversely archable portion formed to convert a portion of the pressure exerted in said direction into force holding the work against the bed of the machine, said resilient portion being divided into a plurality of independent sections all engaging the work and all receiving pressure from the clamp.

2,411,060
CONTACT ELEMENT
Robert H. Savage, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 13, 1943, Serial No. 486,855
16 Claims. (Cl. 171—325)

1. An electrical sliding contact element including a graphitic material, and at least 5 per cent zinc oxide.

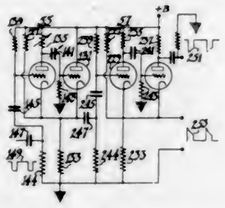
2,411,061
TRACTOR
Warren T. Saxon, Cedar Rapids, Iowa
Application October 5, 1944, Serial No. 557,252
8 Claims. (Cl. 214—65)



1. A tractor for handling aircraft or the like comprising a tractor unit supported on wheels,

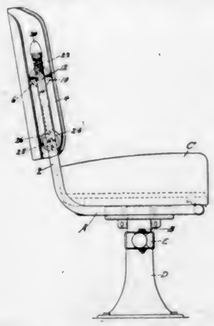
an arm pivoted on the tractor unit and projecting beyond one end thereof, means on the tractor unit to move the arm about its pivot to raise the outer end thereof, a cupped member carried by the arm at its outer end to receive an aircraft wheel, and clamping means on the member to engage a wheel at a point substantially diametrically opposite the cupped member and hold it in place in the member.

2,411,062
BLOCKING IMPULSE GENERATOR
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 24, 1942, Serial No. 448,210
4 Claims. (Cl. 250—36)



2. A pulse delay circuit comprising two normally blocked oscillator devices; means for applying a control signal to one of said oscillator devices, and high frequency pass filter means connected to the first of said oscillator devices for applying the output of the first of said oscillator devices to the second of said devices.

2,411,063
ADJUSTABLE BACK SEAT
Louis F. Scott, Philadelphia, Pa., assignor to ACF-Brill Motors Company, New York, N. Y., a corporation of Delaware
Application May 23, 1942, Serial No. 444,239
2 Claims. (Cl. 155—158)



2. In a seat, the combination of a seat back, tubular back supporting frame members arranged at each side of said seat back and having elongated slots formed therein, means fixed to the seat back for pivotally and slidably supporting the same in the slots of said frame members, said means comprising projecting studs formed with enlarged end portions for arrangement within the tubular members, and reduced intermediate portions for sliding movement in said slots, spring means in said tubular members normally engaging said enlarged end portions and urging said seat back downwardly in said frame, and means for angularly adjusting the lower portion of said seat back on said studs including plate like elements fixed to the lower portion of the sides of the seat back and formed with a series of upwardly facing communicating notches, the walls of said plate and adjacent seat back portions being configured to provide a space therebetween, and headed projections extending from the tubular frame members and selectively engaging in said notches, the heads of said projections being freely movable in the space between said plate and seat back and the neck of said projections being held in engagement in the selected notches by said springs.

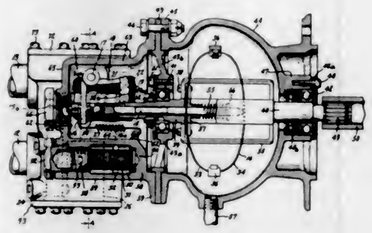
2,411,064
2-CHLOROALKYLIMIDE CHLORIDES
Edwin W. Shand, Munster, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 1, 1945, Serial No. 608,372
3 Claims. (Cl. 260—566)

1. Compounds of the formula

$$R-\underset{Cl}{CH}-\underset{Cl}{C}=NH$$

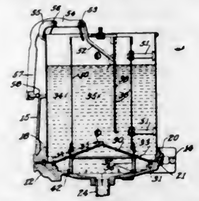
in which R is selected from the group consisting of ethyl and methyl radicals.

2,411,065
SPEED GOVERNING MECHANISM
Austin G. Silvester, Muroc, Calif., assignor to General Electric Company, a corporation of New York
Application August 7, 1944, Serial No. 548,441
5 Claims. (Cl. 137—140)



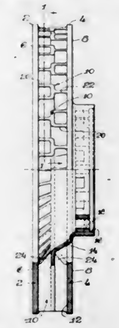
4. In combination, a governor housing, a second housing connected to the governor housing, a governor mounted in the governor housing having a spindle which projects into said second housing, walls defining in said second housing a pocket having an open side, inlet and outlet passages connected by a transverse passage, a valve casing extending transversely of said transverse passage, and piston and pilot valve cylinders having open ends which face outwardly, a valve in said valve casing having a shaft the end of which projects into said pocket, a lever arm with which the end of said governor spindle engages, a shaft for said lever arm an end of which projects into said pocket, a piston and a pilot valve in said piston and pilot valve cylinders respectively having shaft ends which project into said pocket, leverage mechanism in said pocket which connects together the shaft ends therein, and cover plates for said pocket, said cylinders and said valve casing.

2,411,066
MANUFACTURE OF DEPOSITED PAPER PRODUCTS
Leslie Stevens, Glen Ridge, N. J.
Application September 26, 1939, Serial No. 296,555
2 Claims. (Cl. 92—57)



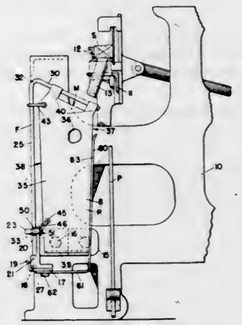
1. Apparatus for forming one-piece cone-shaped articles having an annular outer section thinner than the center inner section, a vertically sustained cylindrical container having a centrally located drainage opening in the bottom thereof and an annular shoulder in the side wall thereof at a horizontal level above the bottom with a fluid permeable conically shaped former member seated by its periphery on said shoulder, an annular partition member seated on the bottom of said container and concentrically disposed about the said drainage opening, the upper edge of said partition member being knife edged and contacting the under surface of the said former member, said partition member being provided with a plurality of openings therethrough, the number and diameter thereof being selected to provide a determined rate of flow of fluid through the partition member to the drainage opening less than that through the central portion of the former member to the drainage opening, means to fill the cylindrical container to a determined horizontal level with water and to suspend a measured quantity of pulp suspension in the water above the former member and means regulating the rate of flow of said water through the said drainage opening.

2,411,067
BRAKE ROTOR
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 17, 1944, Serial No. 518,496
11 Claims. (Cl. 188—218)



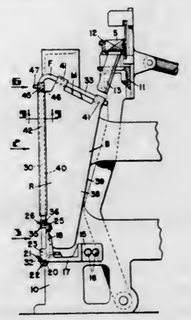
1. In a brake rotor, a brake ring comprising a pair of spaced annular plates defining a fluid chamber therebetween, and Y-shaped blades extending between said plates, and a hub member connected to the radially inner extremities of said blades at the juncture of the fork of each Y with the leg thereof, each blade extending radially inwardly with respect to the inner perimeters of said plates to form gussets merging with said hub member to reinforce its connection with said blades.

2,411,068
BOBBIN RECEIVER FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,944
26 Claims. (Cl. 139—255)



1. In a weft replenishing loom from which depleted bobbins are discharged, a bobbin receiver for said bobbins, a support secured to the loom, a frame mounted on the support and extending upwardly therefrom, a bobbin receiving bag suspended from the upper part of said frame and hanging downwardly therealong, and means to resist swaying of the lower part of the bag during loom operation.

2,411,069
FLEXIBLE BOBBIN RECEIVER AND SUPPORT THEREFOR
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,945
6 Claims. (Cl. 139—255)

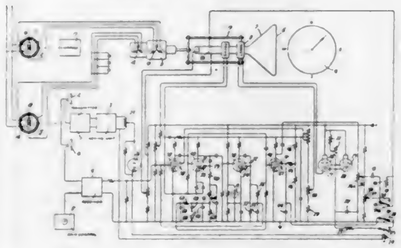


1. In a weft replenishing loom, a support fixed with respect to the loom, a cloth bobbin receiving bag having vertically extending hems, a frame to which the bag is attached mounted on said support, and spaced vertical side members on said frame extending through said hems to reinforce the bag.

2,411,070
SMOKE-PRODUCING COMPOSITION
Joseph W. Van Karner, New York, N. Y.
No Drawing. Application December 17, 1943, Serial No. 514,654
7 Claims. (Cl. 252—305)

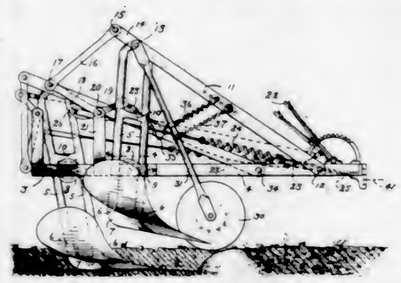
1. A smoke producing composition comprising from about 50% to about 70% of oil-orange color, from about 14% to about 24% of an inorganic salt which liberates oxygen on heating, from about 14% to about 24% of a carbon-containing combustible material, and from about 0.5% to about 5% ammonium sulfate, said amounts being by weight.

2,411,071
LOCATING EQUIPMENT
Elmer J. Wade, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 13, 1943, Serial No. 494,569
6 Claims. (Cl. 177—352)



2. A pulse sharpening amplifier having a sharp cut-off stage and an automatic volume control having a time constant faster than the pulse width for controlling the gain of said stage to cut off the trailing ends of the pulses.

2,411,072
AUTOMATIC IMPLEMENT LIFT FOR PLOWS
Selden G. Washburn, Goodwin, S. Dak.
Application May 27, 1944, Serial No. 537,686
3 Claims. (Cl. 97—74)



1. In automatic release means for a plow; a supporting chassis for said plow, a vertically reciprocal rockable beam for said plow carried by said chassis and supporting said plow dependingly therefrom, a roller bearing within and for said beam, carried by said chassis, a colter carried by said chassis and beam and operable with said plow, and means associated with said plow and colter to cause the colter, when engaging an obstruction in advance of said plow, to lift the latter over said obstruction.

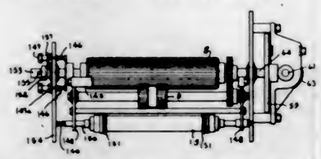
2,411,073
MAKING PRODUCTS OF IRON OR IRON ALLOYS
Lyman Fiske Whitney, Cambridge, Mass., assignor to Isthmian Metals, Inc., Boston, Mass., a corporation of Massachusetts
No Drawing. Application August 16, 1944, Serial No. 549,807
9 Claims. (Cl. 75—22)

6. The method of making a body with iron powder which comprises first shaping the body by compressing the powder to form a compact, sintering the compact, pressing the compact at higher pressure, and then sintering the compact again, characterized in that the first compression is great enough to produce a unitary self-sustaining compact and does not substantially exceed 40 tons per square inch and the second compression is at least about 60 tons per square inch.

2,411,074
SCALE-PEPTIZING COMPOSITION
Samuel A. Winkelmann, West Columbia, Tex., and John Cox Wright, Abbeville, La., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 25, 1943, Serial No. 488,440
5 Claims. (Cl. 252—83)

1. A scale-peptizing composition comprising a solid comminuted quebracho extract of at least 60% tannin content, the particles of said extract having an adsorbed film of castor oil in an amount of 0.4 to 0.6 part by weight of oil per part of extract.

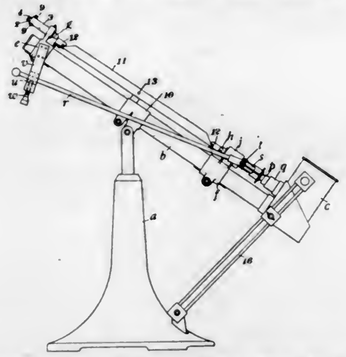
2,411,075
WEB-FEEDING DEVICE
Clayton E. Wyrick, Miami, Fla., assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Original application April 27, 1939, Serial No. 270,396. Divided and this application July 20, 1942, Serial No. 451,646
1 Claim. (Cl. 271—2.3)



A web feed roll mechanism including in combination; a feed roll having shaft means for supporting the same, a web aligning roll laterally spaced from said feed roll and having shaft means for supporting the same, a pressure roll having a supporting arm adjacent each end thereof, said arms being pivotally connected to said aligning roll shaft means, said pressure roll when in operative position cooperating with said feed roll to exert pressure upon the web and capable of being pivoted to inoperative position away from said feed roll to facilitate threading of the web between said feed roll and said pressure roll and over said aligning roll.

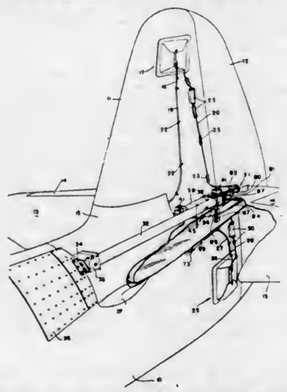
2,411,076
MEANS FOR INSPECTING GUN BARRELS
Arthur Cyril Webb Aldis and John West, Sparkhill, Birmingham, England, assignors to Aldis Brothers Limited, Birmingham, England
Application November 16, 1943, Serial No. 510,514
In Great Britain June 30, 1942
2 Claims. (Cl. 88—14)

1. Means for inspecting the bore of a rifle or other gun barrel, comprising the combination of a pair of hollow centres which are shaped to enter the ends of the barrel and between which the barrel can be rotatably mounted, a support on which the centres are mounted at the required distance apart to permit the barrel to be supported by the centres, a screen having a substantially straight edge and arranged on the support at the outer side of one of the centres, said



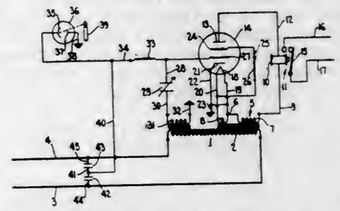
straight edge being disposed in the path of light passing through the centres, a projecting lens situated between the screen and the adjacent centre, means for adjusting the screen to move said straight edge toward or away from the axis of the gun barrel, and a telescope arranged on the support at the outer side of the centre remote from the screen so that shadows produced by the screen in the bore of the barrel can be inspected.

2,411,077
SPIN CHUTE INSTALLATION
Theodore C. Andreopoulos, Buffalo, and Peter J. Papadakos, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application July 10, 1945, Serial No. 604,222
8 Claims. (Cl. 244—147)



1. A spin chute assembly for attachment to the empennage structure of an aircraft, said assembly comprising a plurality of chute load carrying members arranged in substantial parallel relation each with the other and with the longitudinal axis of the aircraft, means for securing each of said members to the empennage structure, and a chute attaching mechanism carried by one of said members.

2,411,078
ELECTRON TUBE CIRCUIT
Fred B. Aubert, Grosse Pointe, Mich.
Application March 16, 1944, Serial No. 526,769
4 Claims. (Cl. 250—41.5)



3. A control apparatus comprising a pentode type gas filled electron tube having an anode, a cathode, a screen grid, a control grid and a filament for heating said cathode, a transformer, a main circuit for supplying alternating current to the primary of said transformer, a secondary coil having end terminals and an intermediate tap, a tube circuit connecting said tap to said cathode and connecting one of said terminals to said anode, load means in and to be energized by current flow in said tube circuit, a circuit for said filament connected to said tap and to the other of said terminals, a circuit having a resistor therein and connecting said screen grid to said other terminal, a photo-electric cell having an anode and a cathode and having its anode connected to ground, a control circuit connecting said cell cathode to said control grid, a resistor in said control circuit, a secondary below ground coil for said transformer and having one terminal connected to ground and having a biasing circuit connecting its other terminal to said control circuit on the control grid side of said control circuit resistance, said other terminal of said below ground coil being negative when said anode is positive so as to bias said control grid negatively in phase with current flow to said tube anode, balancing condensers connected across said main circuit and having a balancing circuit connected to said control circuit on the cell side of said control circuit resistance thereby to bias said control grid in opposite phase to said biasing circuit, and a condenser in said biasing circuit determining the amplitude of the negative potential on said control grid.

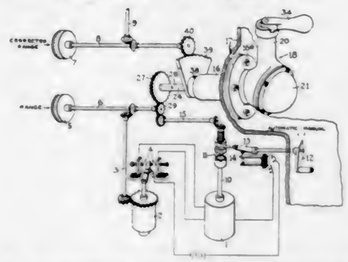
2,411,079
METHOD OF ATTACHING SUTURES TO SHANKS OF SURGEONS' NEEDLES
Gerhard H. J. Baule, Salina, N. Y.
Application September 9, 1944, Serial No. 553,394
1 Claim. (Cl. 128—339)



The method of attaching sutures to the shanks of surgeons' needles including expanding the outer butt end cylindrical portion only of the needle shank radially to a larger diameter than the remaining portion, boring a blind axial cylindrical recess in said outer end portion of the shank through the expanded portion and into the adjacent unexpanded portion of the shank, the recess being of substantially the same diameter as the suture, whereby the cylindrical wall of the portion of the recess in the unexpanded portion of the shank adjacent the expanded portion is of less thickness than the wall of the recess

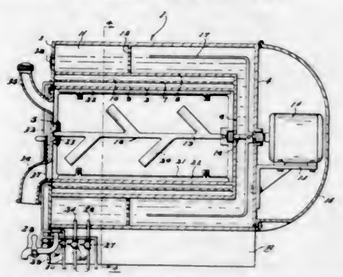
in the expanded portion, placing the suture in the recess approximately to the inner end wall of the recess and contracting the expanded portion radially onto the suture, so that the inner diameter of the contracted portion is less than that of the normal diameter of the suture and so that the outer face of the now contracted portion is flush with the outer face of the adjacent unexpanded portion of the shank, whereby the portion of the suture in the inner end portion of the recess provides an anchoring head for the suture and the wall of the contracted portion is thicker than the wall of the inner end portion of the recess, and provides an internal collar against which the head pulls.

2,411,080
RANGE SETTING MECHANISM
Charles W. Buckley, Mount Vernon, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application June 15, 1943, Serial No. 490,860
12 Claims. (Cl. 74—395)



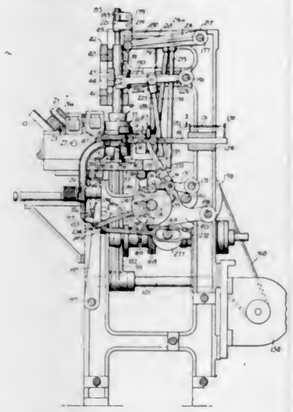
12. A differential mechanism comprising an input gear, an intermediate gear meshing with the input gear and an output gear operatively related to the intermediate gear, resilient means connecting two of the gears and biasing the gears in predetermined angular relation, manual means for adjusting the intermediate gear, a driving shaft, a relief coupling between the shaft and the input gear, and power means for positioning the driving shaft.

2,411,081
FREEZING AND CARBONATING DEVICE
Jean C. Carothers, Sidney, Ohio
Application December 2, 1943, Serial No. 512,642
4 Claims. (Cl. 62—114)



4. A freezing and carbonating unit comprising a cylindrical horizontal shell, a motor mounted on one end of said shell, a cylindrical freezing chamber mounted longitudinally in the shell in spaced, concentric relation thereto, the other end of the shell having an opening therein communicating with the freezing chamber, a closure for the opening, one end of the freezing chamber being closed and being spaced from said one end of the shell, means including said freezing chamber defining a carbonating chamber in the shell, a shaft journaled at one end in the closed end of the freezing chamber and at its other end in said one end of the shell and operatively connected to the motor, an agitator mounted on said shaft and operable in the carbonating chamber, and a dasher operable in the freezing chamber and operatively connected to the shaft.

2,411,082
CUP FORMING MACHINE
Eugene Conti, Jackson Heights, N. Y., assignor to Herz Manufacturing Corporation, a corporation of New York
Application February 27, 1943, Serial No. 477,381
23 Claims. (Cl. 93—60)



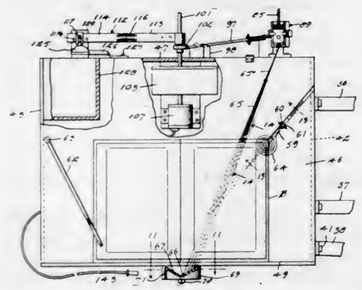
1. In a cup-forming machine, in combination, a primary male die assembly, a primary female die assembly in fixed co-axial relation thereto a secondary male die assembly, means for actuating said die assemblies, a secondary female die assembly movable to and from operative co-axial relation to said primary and said secondary male die assemblies, means for moving said secondary female die assembly to alternately position it beneath said primary and secondary male die assemblies, and means for feeding blanks to said primary male and female die assemblies, said primary male die assembly having portions coacting with said primary female die assembly to shape certain portions of a blank, and other portions movable to convey said partly shaped blank from said primary male and female die assemblies into operative position in relation to said secondary female die assembly said secondary female die assembly then moving said partly shaped blank into operative position in relation to said secondary male die assembly which then coacts with said secondary female die assembly to complete the formation of the cup.

12. The method of forming paper cups which includes the steps of: feeding a blank between a primary male die assembly and a female die assembly, forming portions of the blank between said primary male die assembly and said female die assembly, shifting the partly formed blank in said female die assembly beneath a secondary male die assembly, completing the formation of said blank between said secondary male die assembly and said female die assembly, feeding another blank beneath said primary die assembly as said first female die assembly is shifted, forming portions of this blank between said primary die assembly and a second female die assembly as said first blank is being formed between said secondary male die assembly and said first female die assembly, and shifting said second female die assembly with the partly formed blank therein beneath another secondary male die assembly as said first female die assembly is shifting back under said primary die assembly and completing the formation of said second blank between said second female die assembly and said second male die assembly.

2,411,083
PROCESS FOR TREATING HYDROCARBONS
Orris L. Davis and Alan C. Nixon, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 27, 1943, Serial No. 508,089
13 Claims. (Cl. 196—30)

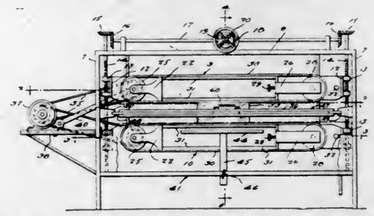
1. In a process for treating a mixture comprising hydrocarbons with an aqueous alkaline treating solution of a compound selected from the group consisting of alkaline alkali metal compounds and alkaline ammonia compounds whereby two phases are produced, in which process a relatively stable dispersion of one phase in the other is produced by the action of impurities formed as a result of reactions of components of said mixture, the method of reducing the stability of such a dispersion which comprises effecting said treating in the presence of a relatively small amount not more than about 1% by volume of said mixture of an organic surface-active agent having at least 8 carbon atoms per molecule and a molecular weight below about 1000, said agent being soluble or spontaneously dispersible colloidally in said aqueous treating solution and substantially insoluble in said mixture, and being an organic amine having at least one alkyl radical of more than 4 carbon atoms.

2,411,084
PAGE TURNING DEVICE FOR INVALIDS
Telesphore C. Demers, Lebanon, N. H.
Application June 14, 1945, Serial No. 599,401
10 Claims. (Cl. 40—104)



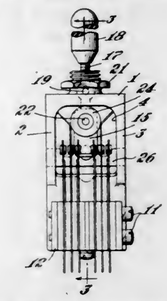
1. A page turning device comprising a book supporting rack, a plurality of flexible page turning members, means holding the lower ends of said members substantially centrally of the book and below the lower edge thereof, an oscillatable arm carried by said rack, means for oscillating said arm, an apertured member carried by the upper end of each flexible member, means supporting said apertured members in side by side relation, and means carried by said arm for gripping the foremost of said apertured members whereby the flexible member attached thereto will be swung to the opposite side of the rack and a page engaged thereby will be turned.

2,411,085
DOUBLE BELT SANDER
Daniel Doherty, Los Angeles, Calif.
Application June 8, 1944, Serial No. 539,247
7 Claims. (Cl. 51—140)



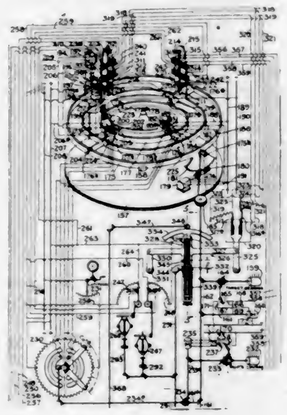
1. In a work sander of the class described, a relatively stationary main frame having a pair of feed screws vertically mounted for rotation therein, an adjusting shaft mounted for rotation atop said frame, operating means for said shaft and operating connections between the ends of said shaft and said feed screws, an auxiliary substantially U-shaped frame having a longitudinal connective portion and transverse ends within the limits of the first-named main frame having means adjustably mounted on said feed screws whereby to raise and lower said U-shaped frame, drums mounted in said U-shaped frame, an endless belt trained over said drums, and a water spraying nozzle mounted in said frame to coact with one end of the belt, in the manner and for the purposes described.

2,411,086
ELECTRIC SWITCH
Edward B. Farmer, Newton, and Edwin L. Lawson, Allston, Mass., assignors to General Control Company, Boston, Mass., a corporation of Massachusetts
Application January 13, 1945, Serial No. 572,603
5 Claims. (Cl. 179—176)



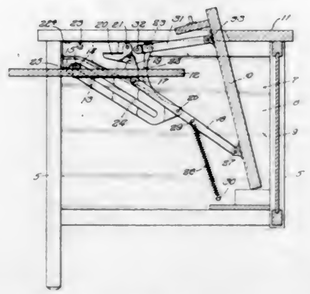
1. An electric switch comprising a frame including two side portions with a space therebetween, a switch actuator movable back and forth in said space, a detent bar bridging the space with one or more notches therein, and a spring-pressed detent mounted on said actuator for engagement in said notches to hold the actuator in position, whereby the switch may be adapted to hold the actuator in any one of various positions by using a detent bar having the notches positioned as desired.

2,411,087
STABLE VERTICAL
Hannibal C. Ford, Great Neck, and Elliott P. Ross, Forest Hills, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application July 7, 1937, Serial No. 152,358
21 Claims. (Cl. 74—5)



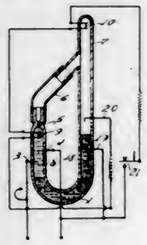
1. In a gyro vertical for use on a moving craft, the combination comprising a gyroscope support, a gyroscope mounted in the support for movement about mutually perpendicular axes, a pendulum mounted to swing about an axis parallel to one of said mutually perpendicular axes, means controlled by movement of the pendulum about its axis relative to the support for exerting a precessing force about the other of said mutually perpendicular axes, means for generating forces proportional to the changes in movement of the craft at right angles to the axis about which the pendulum swings, and means for applying the generated forces to the pendulum to annul in the pendulum the effect of the changes in the course and speed of the craft.

2,411,088
TYPEWRITER DESK FIXTURE
Martin Fox, Chicago, Ill., assignor to The Seng Company, a corporation of Illinois
Application November 15, 1943, Serial No. 510,360
2 Claims. (Cl. 312—24)



1. In a desk comprising a compartment having side walls and a movable cover member, a pair of fixed, spaced, metal, supporting plates, each of said plates having a downwardly and rearwardly directed guide slot; a typewriter platform provided at each lateral edge with a metal bracket having at its front end a grooved wheel to travel in one of said guide slots, the rear ends of said brackets being supported by a pair of levers, each of said levers having one end pivoted to said bracket and the other end pivoted to said cover member and having an intermediate pivotal connection with the rear portion of one of said fixed, supporting plates; a pair of links pivotally connecting the front portion of the cover member to the upper rear portions of the supporting plates so that movement of said cover member backwardly into said compartment will project the typewriter platform upwardly and forwardly into a horizontal position; and a catch on one of said brackets to be engaged by a manually releasable latch provided on the adjacent supporting plate.

2,411,089
ELECTROLYTIC TYPE OF PERIODIC CIRCUIT INTERRUPTER
George E. Fredericks, Bethayres, and Jens Sivertsen, Philadelphia, Pa., assignors to George E. Fredericks Co., Bethayres, Pa., a corporation of Pennsylvania
Application February 1, 1946, Serial No. 644,878
10 Claims. (Cl. 175—320)

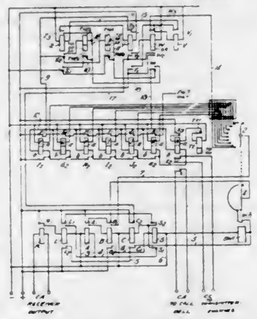


1. In an electrolytic timer, a receptacle containing an electrolyte and having a gas trapping chamber in free communication at its lower end with said electrolyte, the upper end of said chamber being closed except for a restricted passage opening therefrom, electrical means to decompose said electrolyte, and means to ignite the gases of decomposition and explode them when their product of volume and pressure reaches a predetermined amount, and said passage being closed under normal pressure in said chamber but opening for higher pressures created by the explosion of said gases of decomposition.

2,411,090
PROCESS OF PREPARING A DETERGENT COMPOSITION
Edwin S. Garverich, Upper Darby, and William L. Martin, Philadelphia, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 4, 1942, Serial No. 468,168
2 Claims. (Cl. 252—116)

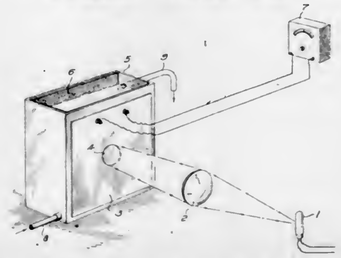
1. The process of preparing a detergent composition containing by weight 5%–25% tall oil, 25%–45% of an alkali metal subsilicate capable of saponifying said oil, at least 5% of an alkali metal phosphate and 25%–75% of bentonite which comprises mixing the oil and clay to cause absorption of the oil by the clay and then admixing the alkali metal subsilicate; and wherein at least the admixing of the subsilicate is effected during cooling; and further cooling the product formed.

2,411,091
SELECTIVE SIGNAL RECEIVING CIRCUIT
Bryan James Henderson, London, England, assignor of one-half to John G. Murdock & Company Limited, London, England, a company of the United Kingdom of Great Britain and Northern Ireland
Application May 30, 1944, Serial No. 538,003
In Great Britain May 24, 1943
3 Claims. (Cl. 177—353)



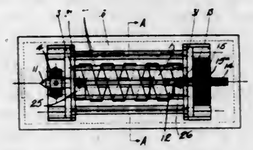
1. In a signal system, a signal receiving station including a plurality of code relays, means responsive to impulses representing an incomplete or a complete code signal for energizing one or more of said relays, a first and a second time-limit relay each having contacts connected to de-energize said code relays after a predetermined time in the event said code relays are energized by an incomplete code signal, means for energizing the first of said time-limit relays, and means operable by a second code signal for energizing the second and de-energizing the first of said time-limit relays should the time-limit of said first relay be partially exhausted.

2,411,092
PHOTOELECTRIC TURBIDIMETER
Robert L. Hood, Stamford, and John W. Berry, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 7, 1945, Serial No. 581,454
2 Claims. (Cl. 250—41.5)



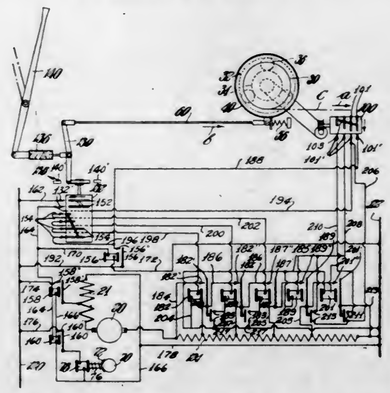
1. A turbidimeter comprising a cell having a transparent front wall and a light absorbing back wall adapted to contain a suspension, the turbidity of which is to be measured, means for projecting a beam of light through the front wall of the cell, and a photocell provided with an aperture and mounted on the front wall of the cell with its sensitive side in contact therewith and positioned so that the beam shines through the aperture.

2,411,093
FIRE DETECTING THERMOSTAT
Ronald Purvis Jameson, Christchurch, New Zealand
Application September 13, 1944, Serial No. 553,932
In New Zealand September 16, 1943
10 Claims. (Cl. 200—139)



1. A fire detecting thermostat comprising a support having conical recesses, a rod, a first bi-metallic coil open to the atmosphere and tending to rotate the rod in one direction on being subjected to heat, an enclosure, a second bi-metallic coil encased from the atmosphere within said enclosure and tending to rotate said rod in the opposite direction on being subjected to heat, a normally closed circuit contact normally engaged by the free end of the second coil, a normally opened circuit contact, both ends of the rod being conical and mounted in said conical recesses so that on the movement of the first mentioned coil by a sudden increase of temperature the free end of the second coil will break away from engagement with said normally closed circuit contact and engage with said normally open circuit contact and thereby give an alarm of fire.

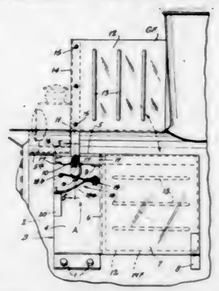
2,411,094
WINCH FOR TOWING AND THE LIKE
Almon A. Johnson, Forest Hills, N. Y.
Application September 9, 1941, Serial No. 410,121
5 Claims. (Cl. 254—172)



5. A full automatic towing winch apparatus comprising in combination, a motor and an electric motor brake to hold the motor against rotation when de-energized, a cable-drum having a cable thereon and rotatable in opposite paying-out and reclaiming directions, connections between said motor and cable-drum whereby either may rotate the other, a brake drum associated

with said connections, a brake band frictionally engaging and movable by said brake drum, tension means resisting movements of the brake band in one direction as the cable tends to rotate the cable drum in paying out direction under a certain pull on the cable and yieldable to permit the brake band to move in said one direction when said certain pull is exceeded as by a surge to demand paying out of cable, a source of electrical energy, a tension controller and a reclaiming controller, resistance means, interconnected circuit means connecting said motor and motor brake and said controllers and resistance means, and mechanical connections between said tension controller and brake band and driving connections between said cable drum and reclaiming controller whereby as the certain pull on the cable is exceeded by a surge to bring about movement of the brake band in said one direction said motor and electric brake and controllers are connected in said circuits so that said surge initially overcomes the torque of the motor and the paying out of cable through said resistance means brings about counter torque of the motor to oppose paying out of cable and snub the same when the peak of the surge has passed and to rotate the cable drum in reclaiming direction, slip clutch means in the driving connections between the cable drum and reclaiming controller whereby the operation of the former relative to the latter may be limited, and means associated with said mechanical connections for controlling the point at which a surge in excess of said certain pull to bring about movement of the brake band will operate said tension controller.

2,411,095
RAILWAY SIGNAL DEVICE
Edward L. Kiser, St. Louis, Mo., assignor of one-fourth to Howard L. Kiser, one-fourth to Archie E. Kiser, and one-fourth to William E. Kiser
Application June 24, 1944, Serial No. 541,878
5 Claims. (Cl. 116—175)

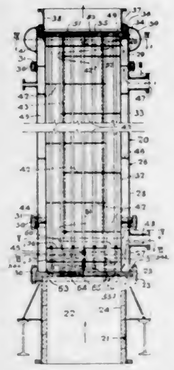


4. In a railway signal device adapted for mounting on a locomotive by means of a bracket and including at least two spaced signal members each comprising a rigid pivotally mounted staff and a relatively inflexible flag portion secured thereto, a plurality of elongated laterally protruding ribs formed in each flag portion on one side thereof, an integral flange portion constituting the leading edge extending beyond the opposite side thereof, an integral reduced depending extension forming the lower extremity of each staff when in display position, shoulders provided by said reduced depending extension, a compound leaf spring assembly pivotally mounted on the bracket including a first or lower component in engagement with a stationary abutment on said bracket, and a second or upper component provided with a pair of spaced slots in alinement with said staffs, each of a size to encompass said reduced extension of the staff in alinement therewith, the region of said upper component adjacent each of said slots being adapted to bear against said shoulders to releasably maintain a selected flag in signal position.

2,411,096
PHOTOGRAPHIC MATERIALS
Edward Bowes Knott, Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 7, 1943, Serial No. 482,195. In Great Britain April 21, 1942
10 Claims. (Cl. 95—7)

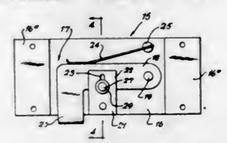
1. A process for reducing the tendency of a sensitizing dye to wander from a dye-sensitized photographic silver halide emulsion (1) to another photographic silver halide emulsion (2) in contact with the emulsion (1) comprising incorporating finely-divided silver halide grains of a size and photographic speed substantially no greater than the size and photographic speed of the silver halide grains of a Lippmann type emulsion in a fluid dye-sensitized photographic silver halide emulsion (1) containing silver halide grains which are of a size and photographic speed substantially greater than the size and photographic speed of the said finely-divided silver halide grains, and then bringing the so-treated dye-sensitized emulsion (1) into contact with another photographic silver halide emulsion (2) containing silver halide grains which are of a size and photographic speed substantially greater than the size and photographic speed of the said finely-divided silver halide grains, while at least one of the emulsions (1) and (2) is fluid.

2,411,097
HEAT EXCHANGER
Sigmund Kopp, Glen Rock, N. J., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application March 16, 1944, Serial No. 526,682
1 Claim. (Cl. 257—224)



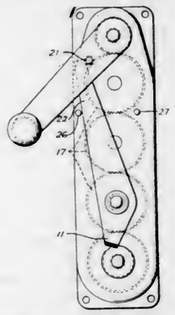
A vertical heat exchanger comprising a shell; a horizontal tube sheet closing one end of said shell; tubes in said shell secured in said tube sheet; a header secured to said tube sheet at the side thereof remote from said tubes; and a device for minimizing the extent that the temperature in said header affects the temperature of said tube sheet including two vertical walls crossing at right angles to each other in said shell and engaging said tube sheet and shell wall, providing four compartments, said shell having a port opening to one of said compartments, said device further having a horizontal wall parallel to and adjacent and spaced from said tube sheet and engaging said vertical walls and shell wall, said horizontal wall having a port opening another of said compartments to said shell, said other compartment being adjacent said one compartment, one of said vertical walls having a port opening said other compartment to a third compartment adjacent thereto, the other of said vertical walls having a port opening said third compartment to the fourth compartment, and said one of said vertical walls having another port opening said fourth compartment to said one compartment for a circular series flow between said shell and horizontal wall ports whereby shell fluid washes over the entire adjacent surface of said tube sheet, thereby effecting said temperature minimizing of said tube sheet.

2,411,098
SWINGABLE CLOSURE FASTENER
Charles E. Leiss, Meriden, Conn.
Application March 1, 1945, Serial No. 580,295
2 Claims. (Cl. 292—124)



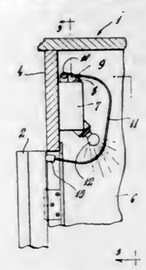
1. In a latch construction of the class described, a flat plate, an L-shaped latch superimposed and pivotally mounted on said plate, a flat spring anchored at one end on said plate and engageable at its free end with one arm of the latch, an adapter block mounted on said plate at right angles to a coacting portion of said latch, said block having a slotted end extension overlying said portion of the latch, a push button comprising a cylindrical rod, said rod having a head, and said head being provided with an extension formed with a cam, the extension and cam movable in said slot and engageable with an edge of the latch.

2,411,099
CAN OPENER
Thomas A. Long, Hammond, Ind.
Application September 4, 1944, Serial No. 552,585
7 Claims. (Cl. 30—15)



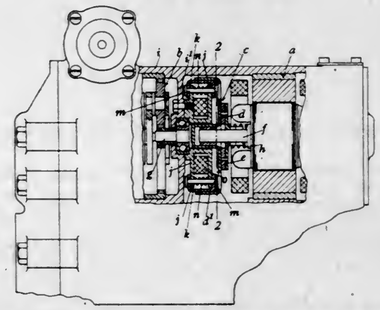
2. A can opener including a base plate, a crank pivotably carried thereby on one side thereof, a cutter blade carried on the same side of the base plate, and a drive wheel rotatably carried by the base plate and on the same side thereof, adapted to turn a can against the cutter blade and driven by said crank.

2,411,100
CLOSET LIGHT
Roderick A. [illegible]onald, Peaks Island, Maine
Application [illegible]er 11, 1944, Serial No. 558,151
[illegible]im. (Cl. 240—2)



An illuminating arrangement for a compartment with a hinged door for access thereto comprising a casing mounted within said compartment and secured thereto, a battery within said casing, a lamp bulb mounted on the lower portion of said casing, a push button switch attached to the top of said casing and adapted to close an electric circuit between said battery and said lamp bulb when the push button is depressed, and a thin U-shaped arm the upper flange portion of which is pivoted to the top of said casing above said push button, said arm being arranged around said casing in such a manner that its lower flange portion tends to be moved by means of gravity toward the door of the compartment and that said arm is in spaced relation to the casing when said door is closed, but that its upper flange portion rests against and depresses said push button when the door of the compartment is open, all substantially as described.

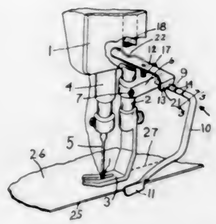
2,411,101
POWER TRANSMISSION MECHANISM
Terence William Millns, Willesden Junction, London, England, assignor to Rotax Limited, London, England
Application January 16, 1945, Serial No. 573,065
In Great Britain December 6, 1943
2 Claims. (Cl. 192—.02)



1. A power transmission mechanism comprising an electric motor, an epicyclic reduction gear having a driving spindle, a friction clutch situ-

ated between the motor and reduction gear, and an electromagnetically controlled brake which is adapted to arrest the motion of the gear automatically when the motor circuit is opened, and which comprises in combination a drum provided on the driving spindle of the reduction gear and forming a part of the friction clutch, a stationary magnetisable member, spring-loaded shoes carried by the magnetisable member and adapted to act on the drum, and an annular winding adapted to magnetise the said member and to be connected to the motor circuit.

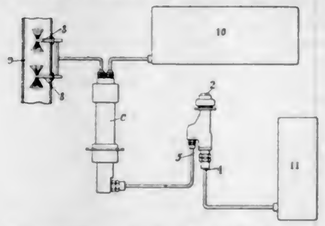
2,411,102
CLOTH GUIDE FOR SEWING MACHINES
Joseph A. Morabito, Chelsea, Mass.
Application May 30, 1945, Serial No. 596,639
2 Claims. (Cl. 112—151)



1. A cloth guide for sewing machine comprising a supporting block adapted to be mounted on the presser foot bar of the sewing machine, a cloth guiding member having a stem portion extending transversely through said block and provided with a plurality of notches, and also having an arm portion extending laterally from the stem portion and terminating in a cloth-guiding portion, a locking arm pivoted to the block and having a nose portion adapted to engage in any one of the notches and thereby hold the cloth guiding member in adjusted position, and a spring acting on the locking arm and yieldingly holding the nose portion thereof in operative position, said nose portion having a straight edge and each notch being formed so that its bottom presents a straight portion and a shorter curved portion, said straight and curved portions being so disposed that when the cloth guiding member is in its operative position, the nose of the locking arm rests on the curved portion of the notch bottom, while when the stem is turned to place the cloth guiding member in its raised inoperative position, the straight edge of the nose portion rests on the straight portion of the notch bottom and thereby holds the cloth guiding member in such raised position.

2,411,103
PRIMING OF INTERNAL-COMBUSTION ENGINES
Albert Edmund Moreillon and Joseph Anthony Hunt, Redditch, England, assignors to The Heywood Compressor Company Limited, Redditch, England, a British company
Application February 15, 1945, Serial No. 578,098
In Great Britain September 1, 1944
4 Claims. (Cl. (123—180)

1. A priming system for an internal combustion engine comprising a pneumatically operated fuel pump with a spring return for the suction stroke, and a control device so arranged that the pump must perform one complete delivery and return stroke at each operation and cannot be



caused to commence a second delivery stroke until the return stroke is completed.

2,411,104
THREE-PHASE TRANSFORMER
Rolland D. Nelson, Hales Corners, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Original application May 17, 1943, Serial No. 487,202. Divided and this application April 1, 1944, Serial No. 529,101
4 Claims. (Cl. 175—356)



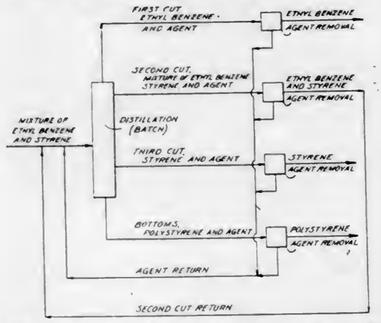
1. A core construction for a three phase transformer comprising three separate and identical core sections each having a main portion adapted to receive a conducting winding assembly and having outwardly projecting end portions at opposite ends of the main portion, the side faces of the end portions of the core sections being in close juxtaposition, said core sections being formed of laminations with the side edges of the laminations of the end portions of a core section arranged in substantial parallelism with the side edges of the laminations of the end portions of the next adjacent core section and with the side edges of the laminations in the said one core section in substantial edge-to-edge contact with the side edges of the laminations of the end portions of adjacent core sections.

2,411,105
PROCESS FOR TREATING HYDROCARBONS
Alan C. Nixon, Oakland, and David Louis Yabroff, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 16, 1943, Serial No. 506,612
10 Claims. (Cl. 196—30)

1. In a process for treating a mixture comprising predominately hydrocarbons with an aqueous alkaline treating liquid to effect the separation of components of said mixture which are soluble in the treating liquid from components which are not soluble therein, in which process two phases are produced, a first phase comprising predominately hydrocarbons and a second phase comprising predominately aqueous alkaline treating liquid and at least a substantial portion of components of said mixture which are soluble therein, in which process a relatively stable dispersion of one phase in the other is produced, the improvement comprising the method of reducing the stability of such a dispersion

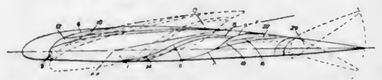
which comprises effecting said treatment in the presence of from about 0.001% to about 1% by volume of said treating liquid of an organic surface-active agent which forms a dispersion itself of particles at least as small as of colloidal dimensions in said aqueous treating liquid, which is substantially insoluble in said mixture and which is a salt of a naphthenic acid having a molecular weight between about 250 and 500.

2,411,106
SEPARATION OF STYRENE FROM ETHYL BENZENE BY AZEOTROPIC DISTILLATION
Theodor A. Petry, Wenonah, and Grady L. Payne, Clarksboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 1, 1942, Serial No. 449,358
5 Claims. (Cl. 202—42)



5. The process of recovering a concentrated styrene fraction from a mixture thereof primarily with ethyl benzene which comprises subjecting such mixture to azeotropic distillation in the presence of ethylene glycol mono-ethyl ether, removing as the overhead from such distillation, a binary azeotrope primarily of ethyl benzene and the ethylene glycol mono-ethyl ether and recovering the concentrated styrene fraction from such distillation.

2,411,107
AIRCRAFT CONTROL SURFACE
Hubert Lewellen Pitt, Bromley, England
Application August 27, 1943, Serial No. 500,195
In Great Britain July 3, 1942
20 Claims. (Cl. 244—42)

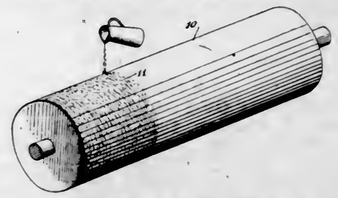


1. Means for controlling an aeroplane in flight, comprising in combination, wing delineating structure, control stabilisers for said wing each of which is not greater in area than half the area of the wing including the stabilizer at one side of the aeroplane and is mounted in an orifice formed in the wing between the leading and trailing edges of the latter, the control stabiliser being solid in construction and adapted to be turned relatively to said orifice on an axis which is directed forwardly and inclined to the longitudinal axis of the aircraft at an angle which is less than 90° to the last said axis, said turning axis being arranged between the leading and trailing edges of the stabiliser so that when the latter is turned from its inoperative position, in which it is faired with the upper and lower surfaces of the wing, into operative positions, its leading edge projects downwards below the lower surface and forwards towards the leading edge of the wing whilst its trailing edge projects upwards above the upper surface of the wing and rearwards whereby air from the underside of the wing is caused to flow both over the top surface and over the underside of the stabiliser at least mainly rearwards and upwards through the orifice in the wing, the structure comprising the wings and the stabilisers being provided with at least one slot therethrough of small size as compared with the size of the stabiliser and arranged so that in the inoperative position of the stabiliser the slot is closed by the stabilizer and that when the stabiliser is turned to its operative position one end of said slot is unmasked so that a jet of air can flow through said slot from beneath said wing to a position above said wing, said slot being sufficiently small that less air can flow through the slot than through said orifice around said stabiliser.

2,411,108
DEVELOPING COLLOID RESISTS WITH SUBSTANTIVE DYES
Frank T. Powers, Glen Cove, N. Y.
No Drawing. Application February 26, 1944, Serial No. 524,074
8 Claims. (Cl. 95—5.6)

7. The process of photoengraving which includes developing an exposed photosensitive resist including a gelatinous colloid sensitized by a chromic acid salt in a solution of substantive dye having a detergent action on the resist.

2,411,109
ETCHING ROTOGRAVURE PRINTING MEMBERS
Frank T. Powers, Glen Cove, N. Y.
Application February 26, 1944, Serial No. 524,075
2 Claims. (Cl. 95—5.7)

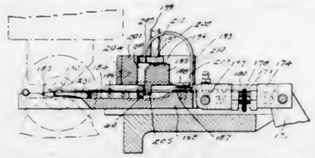


2. The process of photoengraving a cylinder which comprises coating the surface of the cylinder with a layer of photosensitive gelatin resist, exposing the resist to the desired image and developing the exposed resist by treatment with water substantially warmer than the body of the cylinder to wash away the not fully exposed gelatin resists, dyeing the resist with a substantive dye, hardening the resist by a chromic acid solution, and etching the cylinder.

2,411,110
METALWORKING MACHINE
Harvey E. Pruitt, Greenville, Mich., assignor of one-twentieth to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan and nineteen-twentieths to Emery M. Rice, Hanna, Ind.
Application December 3, 1942, Serial No. 467,757
12 Claims. (Cl. 90—11)

1. In a metal working machine, a pair of confronting rotary cutter members, means recipro-

cating said members during rotation thereof, a pair of opposed clamping members between the confronting ends of said members, means fixedly supporting one of said clamping members, means reciprocating the other of said clamping members, a reciprocal carriage, means reciprocating said carriage, said carriage having a bifurcated forward delivery end engageable on opposite sides



of said clamping members when said carriage is in a forward work piece delivery position, and means yieldably holding a work piece on the upper side of said bifurcated end, said carriage being so positioned with respect to said clamping members that movement of said other clamping member toward clamping position will lift the work piece from said carriage.

2,411,111
TREATMENT OF POLYENE COMPOUNDS
Anderson W. Ralston, Chicago, and Otto Turinsky, Palatine, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 22, 1942, Serial No. 427,832
6 Claims. (Cl. 260—405.6)

1. The process of conjugating a polyene compound chosen from the group consisting of unconjugated polyene fats and fatty acids which comprises heating said polyene compound in the presence of an iodide chosen from the group consisting of ammonium iodide, aliphatic amine hydroiodides and aromatic amine hydroiodides, and discontinuing the heating after substantial conjugation has been effected, but before the thus conjugated polyene compound becomes substantially heat-bodied.

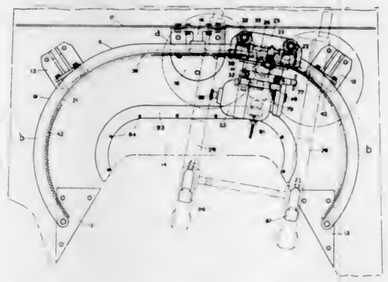
2,411,112
TREATMENT OF POLYENE COMPOUNDS
Anderson W. Ralston, Chicago, and Otto Turinsky, Palatine, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 22, 1942, Serial No. 427,833
5 Claims. (Cl. 260—405.6)

1. The process of conjugating a polyene compound chosen from the group consisting of unconjugated polyene fats and fatty acids which comprises heating said polyene compound in the presence of an aliphatic iodide having iodine linked to a carbon atom, and discontinuing the heating after substantial conjugation has been effected, but before the thus conjugated polyene compound becomes substantially heat bodied.

2,411,113
TREATMENT OF POLYENE COMPOUNDS
Anderson W. Ralston, Chicago, and Otto Turinsky, Palatine, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 22, 1942, Serial No. 427,834
6 Claims. (Cl. 260—405.6)

1. The process of conjugating a polyene compound chosen from the group consisting of unconjugated polyene fats and fatty acids which comprises heating said polyene compound in the presence of an inorganic iodide chosen from the group consisting of iodides of elements of the third, fourth and fifth groups of the periodic system, and discontinuing said heating after substantial conjugation of said polyene compound has been effected, but before the thus conjugated polyene compound becomes substantially heat bodied.

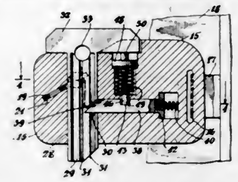
2,411,114
GUN MOUNTING
Edward Arthur Beckton Rice, Newton Abbot, and Alfred German Rose and Sidney Curtis, Gainsborough, England; said Rose and said Curtis assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a company of Great Britain
Application October 15, 1941, Serial No. 415,028
In Great Britain October 24, 1940
7 Claims. (Cl. 89—37.5)



1. A gun mounting comprising a track, a gun carriage movably supported on the track and arranged to carry a pair of guns, means on said carriage for guiding it along the track, the track being formed with a rack extending along its length, a rotatable pinion mounted in said carriage and arranged to engage the rack, a reversible electric motor mounted on said carriage in driving connection with said pinion, said motor being carried on a bracket pivoted on said carriage, spring means tending to cause said bracket to swing away from said carriage so as to disconnect said motor from said pinion, a spring-loaded locking pin arranged to pass through said bracket into said carriage so as to lock said bracket in its operative position against the action of said spring means, and a pair of switches arranged to connect said motor with a source of electric power, e. g., a battery, in such a manner that one switch is capable of bringing about rotation of said motor in one direction and the other is capable of bringing about rotation of said motor in the opposite direction, said switches being adapted for attachment one to the hand grip of each of said guns.

2,411,115
SEAL LOCK
Jacob Rifkin, Wilkes-Barre, Pa.
Application March 29, 1944, Serial No. 528,567
22 Claims. (Cl. 292—325)

3. A lock utilizing a destructible key having a notch therein and the lock being adapted to receive a locking element having at least one enlarged portion comprising a lock body having a locking slot to receive and retain the locking element therein and a key slot to receive the destructible key and located in the lock body so that the key obstructs the locking slot, a bolt movable in the body and engaging the notch in



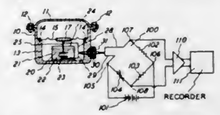
the key, and means operated by the destructible portion of the key when inserted in the key slot to lock the bolt against movement and thereby lock the key in the key slot.

2,411,116
SELF-HEALING CONTAINER FORMING MATERIAL
Manuel Sanz, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application March 21, 1942, Serial No. 435,689
4 Claims. (Cl. 154—43.5)



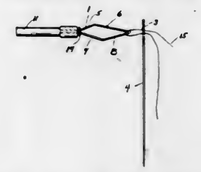
1. A container forming material comprising a self healing intermediate layer formed of masticated partially cured rubber having an extremely high degree of cohesiveness but substantially no tackiness or adhesive tendency, and a uniformly dispersed admixture of a synthetic resin selected from the group composed of glycol-sebacate and glycerol phthalate and in such amount that it serves as a plasticizer for, and to increase the strength of, the masticated partially cured rubber without inhibiting swelling of said rubber when the latter is contacted by hydrocarbons, an outer layer of tough highly elastic vulcanized rubber bonded to the outer face of, and serving to reenforce, the self healing layer and adapted in connection with puncture of the material to have its punctured portion contract and draw together the punctured portion of the self healing layer, and an inner layer bonded to the inner face of the intermediate layer and formed of vulcanized synthetic rubber that is insoluble in, and unaffected by, hydrocarbons.

2,411,117
SEISMOMETER
Serge A. Scherbatskoy, Tulsa, Okla., assignor to Seismic Engineering Company, Dallas, Tex.
Application June 10, 1943, Serial No. 490,373
1 Claim. (Cl. 177—352)



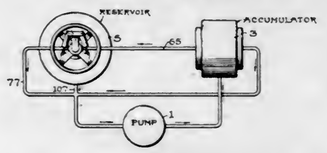
A geophone for translating the earth vibrations into corresponding electrical oscillations, said geophone comprising an outer casing adapted to be subjected to the earth vibrations, an inertia member within said casing, a ring-like elastic membrane having its outer periphery secured to the inner walls of said casing and having its inner periphery secured to said inertia member, a flexible bellows-like container located within said casing and below said membrane, a conductive liquid within said container, electrodes immersed in said liquid and suitably positioned within said container in a definite spacial relationship one to another, connecting elements between said electrodes and said outer casing and said inertia member, respectively, whereby variation in the spacing between said electrodes is produced in response to said vibration and the resistance of said liquid between said electrodes varies in accordance with the variation in said spacing.

2,411,118
NEEDLE THREADING DEVICE
Carl J. Schuster, Milwaukee, Wis.
Application March 7, 1945, Serial No. 581,374
2 Claims. (Cl. 223—99)



1. A needle threader as described and of the type known as wire loop threaders, comprising a suitable handle having affixed to same a fine spring metal flexible wire loop said loop consisting of a single piece of wire and formed as a polygon providing when permanently attached to the handle a closed loop with a centrally disposed open area, various length members forming laterally two obtuse angles of unequal size but whose apices are not situated directly opposite each other so that upon entering and again leaving a needle eye the apices will smoothly follow one another and not attempt to pass through the eyes simultaneously, thusly producing a device which will be more efficient in use, being stronger and allowing the use of finer threads in the finer needle eyes.

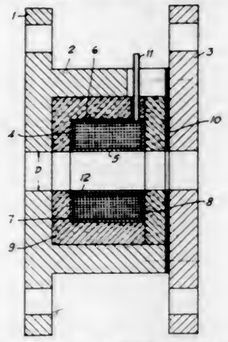
2,411,119
STEERING MECHANISM
William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application May 18, 1943, Serial No. 487,518
10 Claims. (Cl. 121—41)



3. A hydraulic steering gear comprising a tubular fluid reservoir, bearings fixed in the ends of said reservoir for supporting a rotary steering shaft extending therethrough, a hand wheel connected through a lost motion connection to one end of said shaft and a steering arm on the opposite end thereof, a fluid motor having a rotary piston encompassing said shaft secured to said reservoir adjacent the said hand wheel, a valved sleeve overlying the said shaft and rotatable with the said hand wheel, cooperating fluid

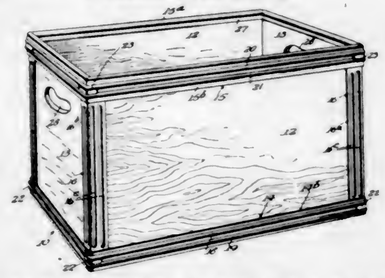
passages formed in said shaft and sleeve whereby fluid under pressure is introduced into said motor for positively rotating said motor piston when said hand wheel is rotated.

2,411,120
TEMPERATURE MEASURING DEVICE
Hans von Hortenaü, Stockholm, Sweden, assignor to Stig K. M. Billman, Stockholm, Sweden
Application September 6, 1944, Serial No. 552,879
In Sweden October 19, 1943
2 Claims. (Cl. 201—63)



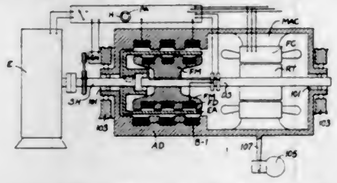
1. A temperature measuring device adapted to be inserted in a fluid conduit and comprising a casing constituting part of said conduit, an annular measuring member located in said casing and including a material the specific electric resistance of which is responsive to variations of temperature, the diameter of the inner cylindrical face of said measuring member being substantially equal to the inner diameter of said conduit, and heat insulating means disposed between said casing and the outer cylindrical face of said measuring member.

2,411,121
METAL FRAMED WOOD CONTAINER
James E. Wilson, Detroit, Mich., assignor, by direct and mesne assignments, of one-fourth to George C. Knight, Detroit, Mich., and one-fourth to Delos G. Smith
Application September 11, 1944, Serial No. 553,547
8 Claims. (Cl. 217—5)



8. As a new article of manufacture, a container comprising a box-like frame structure in the form of a rectangular angle bar lower frame having an inwardly extending flange and in addition an upwardly extending flange with a pair of outstruck parallel ribs extending therearound, a complemental rectangular upper frame spaced above the lower frame and having a downwardly extending flange with a pair of outstruck parallel ribs extending therearound, a plurality of angle bar uprights adapted to support the frames in spaced relation and having the lower ends thereof fitting within the corner portions of the upwardly extending flange of the lower frame and their upper ends fitting within the corner portions of the downwardly extending flange of the upper frame, a plurality of right angle attaching clips extending around and fitting against said corner portions, respectively, positioned in side by side and abutting relation with the corner portions of the ribs and having at the ends thereof extensions extending through aligned apertures in said corner portions and the ends of the uprights and bent over for interlocking purposes, a bottom wall disposed within the frame structure and having the margins thereof overlying the inwardly extending flange of the lower frame, a pair of opposed complemental side walls disposed in the frame structure and having the bottom margins thereof positioned in abutment with the side margins of the bottom wall and their end margins fitting within the uprights, and a pair of opposed complemental end walls disposed in said frame structure and having the bottom margins thereof positioned in abutment with the end margins of the bottom wall and their end margins disposed within said uprights, said complemental walls being arranged so that their end margins are in abutting relation and having certain of the corners thereof positioned in abutment with the bent over extensions of the clips and serving positively to lock said extensions in place.

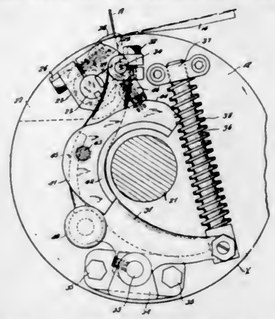
2,411,122
ELECTRICAL COUPLING CONTROL APPARATUS
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, as trustee
Application January 26, 1944, Serial No. 519,783
20 Claims. (Cl. 172—284)



1. In apparatus of the class described, a driving member, a driven member, an electrical driving coupling therebetween, an electrical brake on the driven member, a generator driven by the driven member, an electronic circuit controlled from said generator and adapted to tighten said electrical driving coupling in response to certain lower speeds of the driven member, and adapted to energize said brake in response to certain higher speeds of said driven member and automatic means in said circuit for preventing sudden changes in the application of energy through either said clutch or brake.

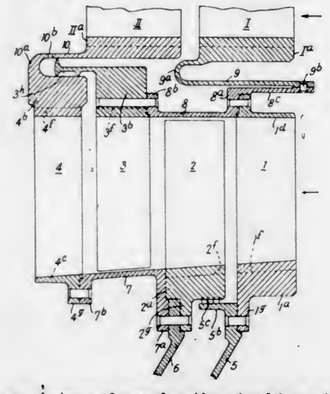
2,411,123
GRIPPER MECHANISM
James R. Wood, Cleveland, Ohio, assignor to Harris-Seybold Company, a corporation of Delaware
Application January 24, 1945, Serial No. 574,279
15 Claims. (Cl. 101—408)

1. Gripper mechanism for a sheet carrying member, comprising a gripper shaft arranged to rock in bearings carried by said member, a crank arm for the shaft, an operating lever pivotally mounted on said member, a pin and slot connection between said lever and said crank arm, the slot of said connection where contacted by the pin just prior to and at the time the grippers



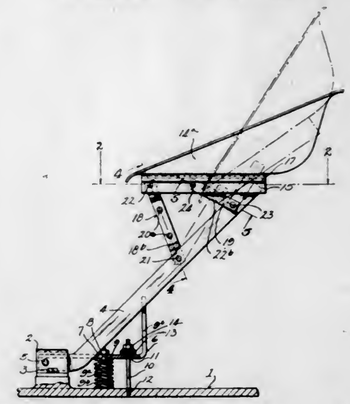
are in sheet gripping position extending in a line directed toward said shaft, and the angle between said line and the line of centers of the pin and lever pivot being greater than forty-five degrees.

2,411,124
INTERNAL-COMBUSTION TURBINE PLANT
Karl Baumann, Mere, Knutsford, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application January 13, 1944, Serial No. 518,166
In Great Britain November 1, 1941
5 Claims. (Cl. 230—116)



1. In an internal combustion turbine structure, an air impeller comprising a power turbine comprising a plurality of intercalated stages of axial flow turbine blading constituted as inner and outer rotor members, at least one of said rotor members comprising axially spaced ring supports for a pair of stages of turbine blading and a coaxial sleeve member interposed between and connecting said supports, and air blading carried and driven by said rotor members, at least one air blading stage having a foundation ring at the base of the blading row so as to form a self-supporting structure which is carried by one of said rotor members of the power turbine, and an axially extending member capable of radial flexibility for accommodating differential thermal expansion, said axially extending member being connected to one of said rotor members and extending axially therefrom to said foundation ring.

2,411,125
SEAT CONSTRUCTION
Hans T. Borsheim, Davenport, Iowa, assignor to J. I. Case Company, Racine, Wis., a corporation
Application January 1, 1943, Serial No. 471,029
5 Claims. (Cl. 155—51)



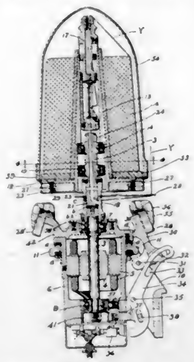
2. A seat support comprising an inclined bar pivotally connected to an implement or support, and having a portion extending at an angle to said inclined bar, a spring interposed between the implement or support and said extending portion for sustaining it against downward swinging on the pivot, means for adjusting said spring toward and away from said pivot for varying the leverage to suit the weight of an operator on said seat, a stop engaging said extending portion to limit upward movement thereof, means for anchoring said stop in desired position to determine the altitude of the upper end of said seat supporting bar, and said stop comprising a cushioning element to avoid shock upon reaching the upper limit of movement of said seat supporting bar defined by said stop.

3. A seat construction including a seat pan unit, a pair of spaced apart bars comprising a support for said unit, said bars inclining upwardly and backwardly from a point below and in front of said seat pan unit, and lying substantially beneath the longitudinal center portion of said unit, said support being spaced beneath said unit at the front thereof, and in contact with said unit at a point rearwardly of the center of said unit, a relatively long bifurcated link connecting laterally spaced points on the front of said unit to the spaced apart bars of said support at a pivot point below and to the rear of the front portion of said unit, and a short link connecting a point rearwardly of the front of said unit with a point on said support rearwardly and upwardly of the point of connection of the other link with said support.

2,411,126
TWISTER FRAME
Virgil A. Burnham, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application March 2, 1945, Serial No. 580,657
9 Claims. (Cl. 57—58)

1. In a twister of the character described, the combination of a spindle, an electric motor including a rotor associated with said spindle to revolve the latter around its own axis, a normally stationary carrier for a yarn body, said carrier

being mounted for rotation around the axis of said spindle, a flier secured to said spindle between said carrier and said motor, means for guiding yarn drawn from said body to said flier, whereby the flier revolves the yarn around said axis, a switch controlling the flow of current to said motor, a brake mechanism for stopping the rotation of said spindle, means for normally holding said carrier in its stationary position including a magnet on said carrier and another magnet



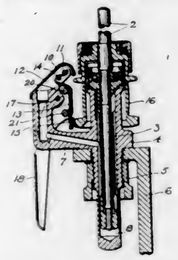
supported in a normally stationary position immediately below said carrier with the poles of the two magnets positioned to operate by mutual attraction to maintain the carrier normally stationary but to be relatively moved by the rotation of the carrier out of said position into mutually repelling relationship, and means operated by said repelling action to actuate both said switch and said brake to stop the rotation of said motor shaft and said spindle.

2,411,127

SPINDLE BRAKE

Virgil A. Burnham, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

Application May 14, 1945, Serial No. 593,643
7 Claims. (Cl. 57—88)



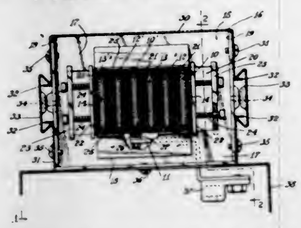
1. A spindle structure comprising a spindle blade, a base in which said blade is mounted for rotation, a whirl fast on said blade, said base having an oil spout bracket extending laterally therefrom with an outer upstanding end portion positioned approximately parallel with, but spaced from, said whirl, and a brake for said whirl including a normally stationary spring arm supported at its upper end in parts rigid with said bracket and normally positioned approximately vertically beside said whirl, a brake shoe carried by the lower end of said arm, an operating lever pivoted on said bracket, and two pins carried by said lever and positioned one above and one below the fulcrum point of the lever and beside said arm, whereby the movement of said lever on its fulcrum in either direction will operate through one or the other of said pins to swing said arm and set said brake, said arm and said pins being located between the upstanding portion of said bracket and said whirl.

2,411,128

BUS BAR SYSTEM

Elmer T. Carlson, Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application December 3, 1941, Serial No. 421,442
7 Claims. (Cl. 174—99)



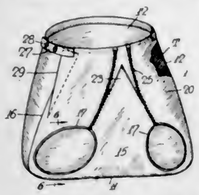
1. A bus duct frame for embracing a group of insulated bus bars and consisting of a main plate having side bars for attachment to opposite sides of the duct, upper and lower flanges for positioning the upper and lower edges of the insulated bus bars, and common means for simultaneously maintaining pressure laterally on all of the bus bars.

2,411,129

GARMENT

Carmen d'Aprile, New York, N. Y., assignor to Panty-Zip, Inc., a corporation of New York

Application April 26, 1945, Serial No. 590,326
9 Claims. (Cl. 2—224)



2. Trunks having a waist-band, a sac-like body connected thereto, the latter having a pair of leg openings wholly in the front thereof the entire area of each of said openings being well above the lower edge and well inward from the lateral edges of the flat garment.

2,411,130

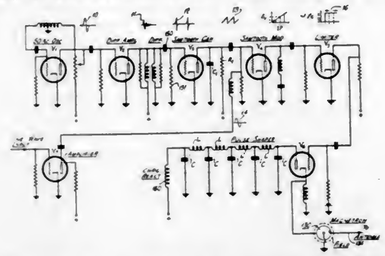
PULSE SIGNALING SYSTEM

John Evans, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 12, 1943, Serial No. 498,283
11 Claims. (Cl. 250—17)

1. In a pulse transmission system, a magnetron, and means for supplying said magnetron with pulses of voltage of constant amplitude, said means including an electron discharge device having a cathode, a grid and an anode, a circuit

for biasing said grid negative relative to said cathode to thereby prevent the flow of current through said device, a pulse shaping circuit in the form of a plurality of artificial line sections connected between said anode and a source of unidirectional voltage for charging said line sections, a connection from said cathode to said



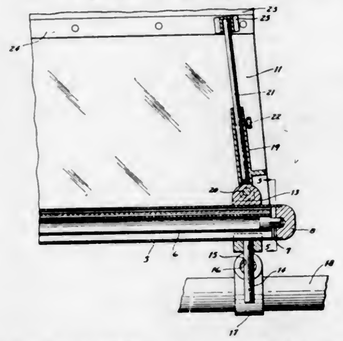
magnetron, and means for supplying to said grid variably spaced relatively positive voltage pulses of a magnitude sufficient for triggering said electron discharge device to pass current at the occurrence of each of said variably spaced positive pulses, said magnetron generating oscillations solely during the time intervals of the pulses of voltage supplied thereto by said device.

2,411,131

WINDSHIELD FOR MOTORCYCLES AND THE LIKE

Berger G. Hanson, St. Charles, Ill.

Application July 11, 1945, Serial No. 604,477
2 Claims. (Cl. 160—24)



1. A windshield for vehicles of the class described comprising a flexible member, a casing carrying spring roller adapted for winding the member thereon from an extended positioned into the casing, a transparent member attached at the outer edge of the flexible member, and supporting means on the casing for the transparent member to maintain the latter in an upstanding position when the flexible member is either extended from or retracted into the casing.

2,411,132

ARTIFICIAL YARN AND METHOD OF PRODUCING THE SAME

Berkeley L. Hathorne, Delray Beach, Fla., and Robert W. Seem, United States Army, assignors, by direct and mesne assignments, to Crepe de Chine, Inc., a corporation of Pennsylvania

Application August 13, 1942, Serial No. 454,679½
23 Claims. (Cl. 57—140)

1. A method of producing a straight, compact, twisted rayon yarn which, when tested by conventional twist-testing methods, shows twists in one direction only, which comprises subjecting a rayon yarn to a twisting operation in one direction to produce a twist of approximately from 3% to 60% in excess of the desired finished twist, setting said twist, subjecting said yarn to a twisting operation in the opposite direction to produce

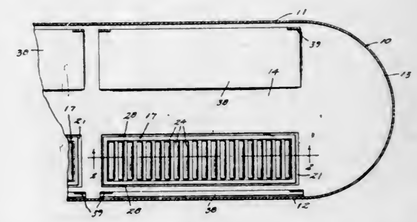
the desired finished twist, and setting the resulting yarn, the twisting operation in the said opposite direction and the setting of the twists being of such magnitude and degrees as to produce a twisted yarn in which the torsional forces are counter-balanced in accordance with the ultimate use of the yarn.

2,411,133

ROLLER CONVEYER FOR VEHICLE BODIES

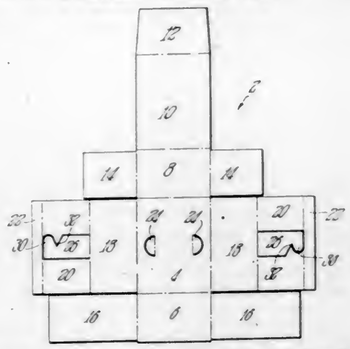
Edward H. Hill, San Antonio, Tex.

Application September 20, 1945, Serial No. 617,534
1 Claim. (Cl. 214—84)



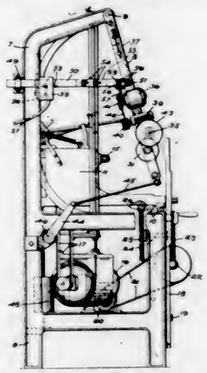
In a device as described a frame, a fixed rail below the frame side members supported in spaced apart parallel relation above said rail adjacent to the sides of the frame, a pair of link arms arranged at each end of the frame, straddling the sides thereof, being pivotally secured at their upper ends to said frame sides and at their lower ends being pivotally secured to said side members, said pairs of links projecting in the same direction diagonally of said side members, a hydraulically activated cylinder having a base secured rigidly upon said sill, on each side of the frame, disposed at an inclination counter to the inclination of said links, but also diagonally to said side members, and plungers in said cylinders carved by pistons in the latter extending out of said cylinders also diagonally with relation to the side members and having their outer ends pivotally secured to the bottom part of the frame between its ends in such a manner that the frame exerts a vertical thrust down upon the plungers laterally of the adjacent ends of the cylinders effective to bind the peripheral portion of the pistons against the inner circumference of the cylinders to prevent the pistons moving down in said cylinders, and to hold the frame in movably supported relation to said cylinders with the ends of the frame supported against sagging by said links.

2,411,134
CARTON BLANK
Russell A. Lambert, Springfield, Mass., assignor to Brooks Bank Note Company, Springfield, Mass., a corporation of Massachusetts
Application September 4, 1944, Serial No. 552,642
1 Claim. (Cl. 229—33)



A carton blank formed and hinged for folding into a receptacle having a cover and separate cover retaining means comprising in combination, relatively hinged bottom wall and front, back and side wall members, a cover hinged to one of said wall members to close the receptacle when the wall members are in set-up relation, sections hinged to outer portions of certain wall members adjacent to said wall member having retaining members cut out therefrom and hinged thereto for swinging inwardly onto said cover when it is in closed position, and providing inner sections adapted for swinging inwardly and downwardly against said certain wall members, said retaining members having releasable interlocking means at non-hinged ends thereof adapted and arranged when interlocked to hold the members against relative movement to bear on and retain said cover in its closed position.

2,411,135
LATHE FOR TURNING LASTS OR THE LIKE
Alton D. Landers and Fred H. Lindsay, Brockton, Mass., assignors to Woodard & Wright Last Co., East Bridgewater, Mass., a corporation of Massachusetts
Application July 27, 1944, Serial No. 546,777
4 Claims. (Cl. 142—15)

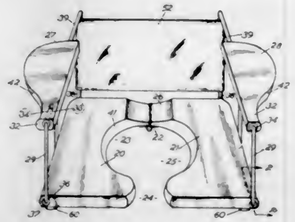


1. In a lathe for turning lasts or the like from blocks to correspond to a model, a first frame, a second frame pivotally connected to said first frame to swing outwardly and inwardly in desired relation thereto, rotatable model and block supporting means carried by said second frame, driving means to rotate said supporting means carried by said second frame, an electric motor supported on said second frame operatively connected to said second frame, a circuit to said motor including a switch mounted on said first frame, said switch including an arm, a switch control arm pivotally connected to said second frame and slidably supported by said first frame, said switch control arm having portions engageable with said switch arm to open said switch when said second frame is swung outwardly into a predetermined inoperative position and to close said switch when swung inwardly into a predetermined operative position, and a brake shoe supported by said switch control arm to engage with said driving means when said second frame is in said inoperative position.

2,411,136
ESTERIFICATION REACTIONS
Stewart B. Luce, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 21, 1942, Serial No. 435,637
9 Claims. (Cl. 260—485)

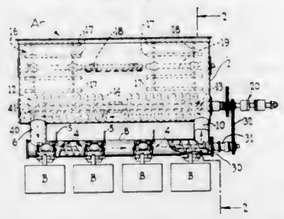
1. In a method of producing an ester by the esterification of an organic acid with an alcohol, one of which is unsaturated, the improvement which comprises effecting the esterification by means of a catalyst comprising an intumesced alkali metal silicate.

2,411,137
CHILD'S TOILET SEAT
Leonard C. Neufeld, Des Moines, Iowa, assignor to Fol-Dee Seat Company, Des Moines, Iowa, a corporation of Iowa
Application July 2, 1945, Serial No. 602,779
9 Claims. (Cl. 155—31)



2. A child's foldable toilet seat including a seat member comprised of a pair of hingedly connected symmetrical half-sections foldable against each other to a closed position, and in an open position having a seat opening therebetween, a pair of arm rests corresponding to said half-sections and of a construction adapted to be received in said seat opening within the dimensional confines of a corresponding half-section, and means movably supporting the arm rests on said half sections for movement to one position spaced upwardly from a corresponding half-section, and for movement to a second position within said opening, with the arm rests in said second position being movable with the half-sections to their folded position.

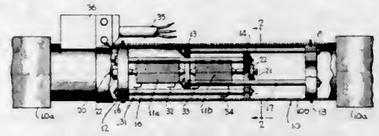
2,411,138
CENTRIFUGAL MIXER APPARATUS
Eugene Roberts, Hastings, N. Y., assignor to The Western States Machine Company, Hamilton, Ohio, a corporation of Utah
Application March 27, 1943, Serial No. 480,789
6 Claims. (Cl. 127—17)



1. A mixer to hold a mixture of sugar crystals and syrups awaiting centrifugal treatment comprising a tank body, gate means to deliver charges of the mixture to adjacent centrifugal machines, means inside the tank body for heating and stirring the mixture therewithin, and connecting means between the tank body and said gate means and having propulsion means therein to maintain a forced circulation of said mixture from said heating means substantially to the face of said gate means.

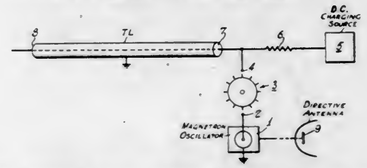
2,411,139
STRAIN MEASURING AND LOAD CONTROLLING APPARATUS
Nereus H. Roy, Glenbrook, Conn., and Joseph L. Bisesi, Floral Park, N. Y., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 18, 1943, Serial No. 510,710
8 Claims. (Cl. 201—51)

1. In load controlling apparatus in combination, a load-taking member, a pair of carbon pile electrical resistance units mounted therein, and connections between said member and said units for differentially affecting said units with change in length of said member, said connections comprising spaced plates secured to said member, floating plates between said fixed plates,



and rod sets connected each to a different floating plate and a different fixed plate.

2,411,140
PULSE TRANSMISSION SYSTEM
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware.
Application May 1, 1942, Serial No. 441,311
10 Claims. (Cl. 250—36)

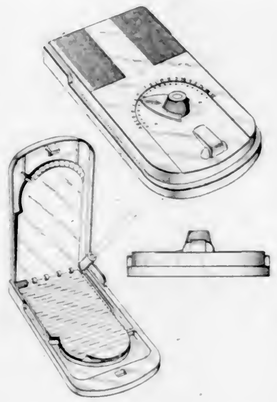


1. A system for producing equal length pulses comprising a source of charging voltage, a storing circuit in the form of a line of predetermined electrical length, an oscillator whose resistance during operation is the same as the characteristic impedance of said line, a connection from an electrode of said oscillator to one terminal of said line, a spark gap in said connection, a connection from ground to another electrode of said oscillator, whereby the flow of current through said spark gap polarizes said first electrode to cause said oscillator to produce oscillations, and a resistance whose value is appreciably greater than the characteristic impedance of said line connected between said source of charging voltage and said line, said spark gap being a rotary arrangement having a multiplicity of serially arranged gaps greater than two.

DESIGNS

NOVEMBER 12, 1946

145,878
DESIGN FOR A DESK UNIT OR THE LIKE
Fortunato S. Ajero, Chicago, Ill.
Application May 4, 1946, Serial No. 129,324
Term of patent 14 years
(Cl. D74—1)



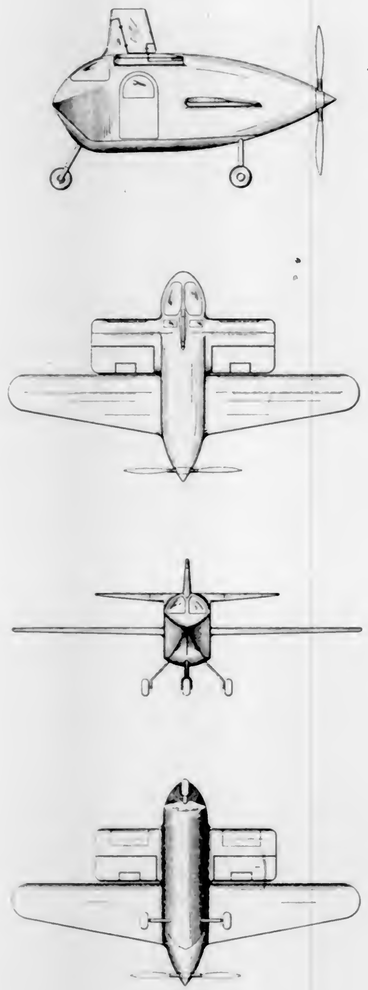
The ornamental design for a desk unit or the like, as shown and described.

145,879
DESIGN FOR A FISH LURE
Fred V. Camp, Stayton, Oreg.
Application January 14, 1946, Serial No. 125,532
Term of patent 7 years
(Cl. D31—4)



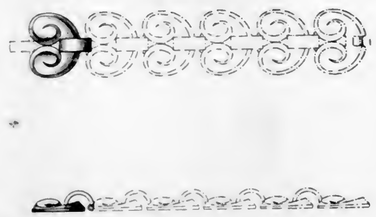
The ornamental design for a fish lure, as shown.

145,880
DESIGN FOR AN AIRPLANE
Bert G. Carlson, Gates Mills, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application March 24, 1945, Serial No. 118,662
Term of patent 3½ years
(Cl. D71—1)



The ornamental design for an airplane, substantially as shown and described.

145,881
DESIGN FOR A BRACELET OR THE LIKE
Michael Chernow, New York, N. Y.
Application November 9, 1945, Serial No. 123,614
Term of patent 7 years
(Cl. D45—4)



The design for a bracelet or the like, substantially as shown and described.

145,882
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Gustav Cohn, New York, N. Y.
Application August 14, 1946, Serial No. 132,511
Term of patent 3½ years
(Cl. D7—7)



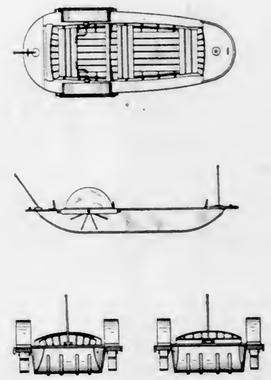
The ornamental design for a slipper or similar article, substantially as shown and described.

145,883
DESIGN FOR A SANDAL OR SIMILAR ARTICLE
Laurence Colwell, New York, N. Y., assignor to Revlon Products Corporation, New York, N. Y., a corporation of New York
Application January 15, 1946, Serial No. 125,559
Term of patent 3½ years
(Cl. D7—7)



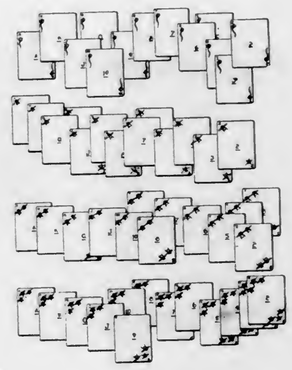
The ornamental design for a sandal or similar article, substantially as shown.

145,884
DESIGN FOR A BOAT
Louis Consiglio, Springfield, Mass.
Application September 28, 1945, Serial No. 122,387
Term of patent 14 years
(Cl. D71—1)



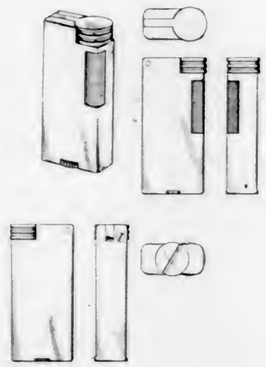
The ornamental design for a boat, substantially as shown and described.

145,885
DESIGN FOR A SET OF PLAYING CARDS
Dan Fillson and David Bud Crollard, Fairbanks, Territory of Alaska
Application December 20, 1945, Serial No. 124,889
Term of patent 14 years
(Cl. D34—13)



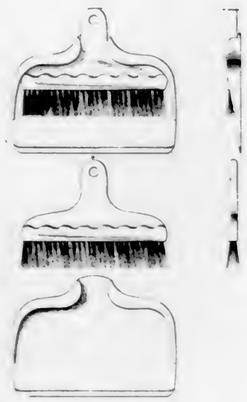
The ornamental design for a set of playing cards as shown and described.

145,886
DESIGN FOR A CIGARETTE LIGHTER
Cecil M. Fox, Toledo, Ohio, assignor to Milton M. Mendelsohn, Chicago, Ill.
Application November 7, 1945, Serial No. 123,526
Term of patent 3½ years
(Cl. D48—27)



The ornamental design for a cigarette lighter, substantially as shown.

145,887
DESIGN FOR A BRUSH AND PAN ASSEMBLY OR THE LIKE
Hazel V. Fox, Philadelphia, Pa.
Application November 18, 1944, Serial No. 116,439
Term of patent 7 years
(Cl. D44—18)



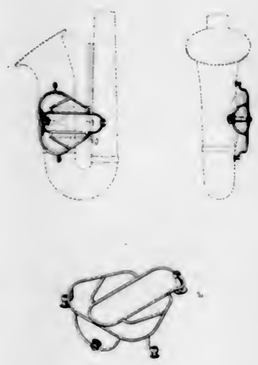
The ornamental design for a brush and pan assembly or the like, substantially as shown.

145,888
DESIGN FOR A BLOUSE OR SIMILAR ARTICLE
Seymour Freilich, New York, N. Y.
Application April 27, 1946, Serial No. 129,020
Term of patent 3½ years
(Cl. D3—25)



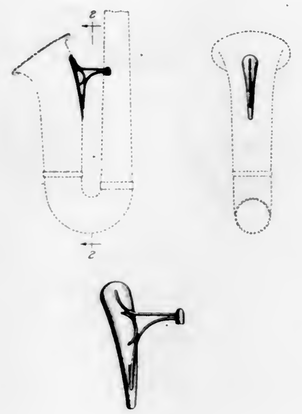
The ornamental design for a blouse or similar article, substantially as shown.

145,889
DESIGN FOR A DEMOUNTABLE KEY GUARD FOR A SAXOPHONE
Earl J. Gillespie, Elkhart, Ind., assignor to The Martin Band Instrument Company, Elkhart, Ind., a corporation of Indiana
Application February 23, 1945, Serial No. 118,101
Term of patent 14 years
(Cl. D56—1)



The ornamental design for a demountable key guard for a saxophone, substantially as shown and described.

145,890
DESIGN FOR A BELL BRACE FOR A SAXOPHONE
Earl J. Gillespie, Elkhart, Ind., assignor to The Martin Band Instrument Company, Elkhart, Ind., a corporation of Indiana
Application February 23, 1945, Serial No. 118,102
Term of patent 14 years
(Cl. D56—1)



The ornamental design for a bell brace for a saxophone, substantially as shown and described.

145,891
DESIGN FOR A SAXOPHONE
Earl J. Gillespie, Elkhart, Ind., assignor to The Martin Band Instrument Company, Elkhart, Ind., a corporation of Indiana
Application February 23, 1945, Serial No. 118,103
Term of patent 14 years
(Cl. D56—1)

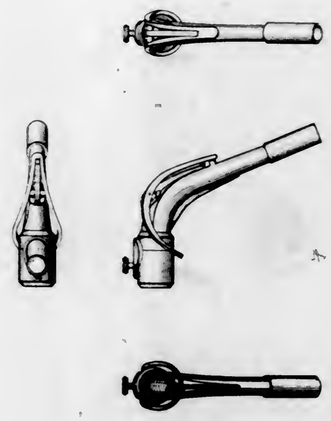


145,891—Continued



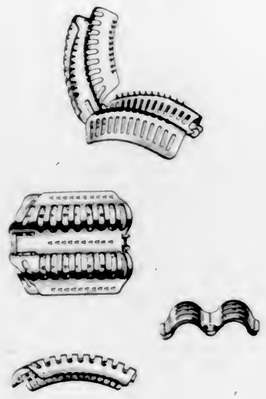
The ornamental design for a saxophone, as shown and described.

145,892
DESIGN FOR A COMBINED SAXOPHONE NECK, MOUTH PIPE FASTENING AND MOUTHPIECE KEY
Earl J. Gillespie, Elkhart, Ind., assignor to The Martin Band Instrument Company, Elkhart, Ind., a corporation of Indiana
Application February 23, 1945, Serial No. 118,104
Term of patent 14 years
(Cl. D56—1)



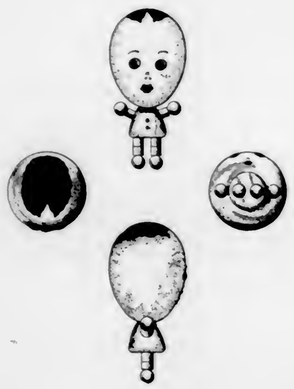
The ornamental design for a combined saxophone neck, mouth pipe fastening and mouthpiece key, substantially as shown.

145,893
DESIGN FOR A HAIR WAVING DEVICE
Virginia S. Graham, Beverly Hills, Calif.
Application July 10, 1946, Serial No. 131,443
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a hair waving device, as shown.

145,894
DESIGN FOR AN INFANT'S TEETHING TOY FIGURE OR SIMILAR ARTICLE
Richard B. Grosvenor, Piqua, Ohio
Application June 1, 1945, Serial No. 119,849
Term of patent 3½ years
(Cl. D34—4)



The ornamental design for an infant's teething toy figure, or similar article, as shown.

145,895
DESIGN FOR AN INFANT'S TEETHING TOY FIGURE OR SIMILAR ARTICLE
Richard B. Grosvenor, Piqua, Ohio
Application June 1, 1945, Serial No. 119,847
Term of patent 3½ years
(Cl. D34—2)



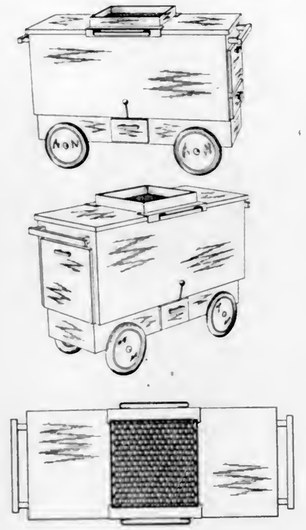
The ornamental design for an infant's teething toy figure, or similar article, as shown.

145,896
DESIGN FOR AN INFANT'S TEETHING TOY FIGURE OR SIMILAR ARTICLE
Richard B. Grosvenor, Piqua, Ohio
Application June 1, 1945, Serial No. 119,848
Term of patent 3½ years
(Cl. D34—2)



The ornamental design for an infant's teething toy figure, or similar article, as shown.

145,897
DESIGN FOR A BROILER OR THE LIKE
William R. Hathaway, West Haven, Conn., assignor to United Advertising Corporation, New Haven, Conn., a corporation of New Jersey
Application December 6, 1945, Serial No. 124,416
Term of patent 7 years
(Cl. D81—10)

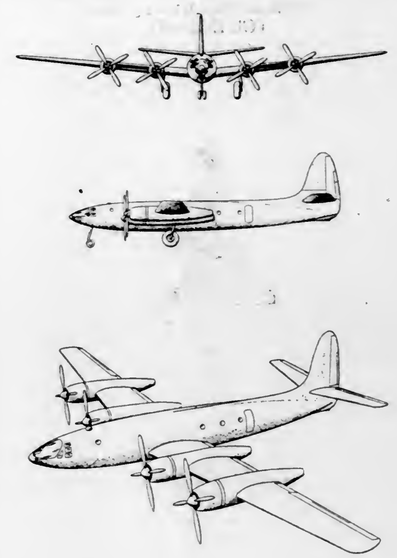


The ornamental design for a broiler or the like, substantially as shown.

145,898
DESIGN FOR AN AIRPLANE
Alexander Kartveli, Huntington Station, N. Y., assignor to Republic Aviation Corporation, near Farmingdale, N. Y., a corporation of Delaware
Application September 26, 1945, Serial No. 122,359
Term of patent 14 years
(Cl. D71—1)

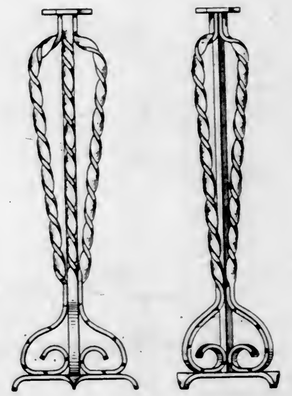


145,898—Continued



The ornamental design for airplane, substantially as shown.

145,899
DESIGN FOR A LAMP STAND OR THE LIKE
Edmund D. Kissling, New York, N. Y.
Application November 8, 1945, Serial No. 123,569
Term of patent 14 years
(Cl. D48—20)



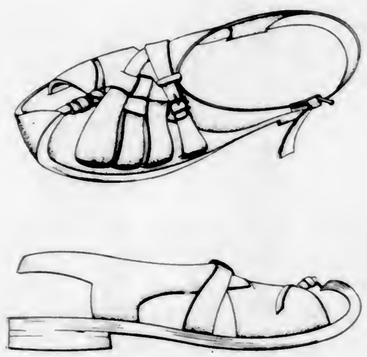
The ornamental design for a lamp stand or the like, as shown.

145,900
DESIGN FOR A BOOK END
Vincent Francis Le Verne, Long Beach, Calif.
Application February 1, 1946, Serial No. 126,153
Term of patent 14 years
(Cl. D33—1)



The ornamental design for a book end, as shown.

145,901
DESIGN FOR A SANDAL OR SIMILAR ARTICLE
Howard M. Lloyd, Los Angeles, Calif.
Application January 26, 1946, Serial No. 126,013
Term of patent 3½ years
(Cl. D7—7)



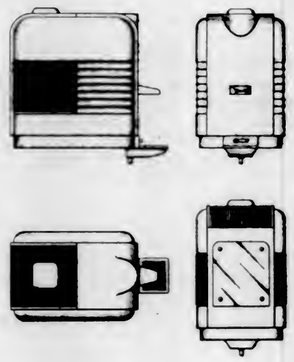
The ornamental design for a sandal or similar article, as shown.

145,902
DESIGN FOR A PICTURE FRAME
Edward Eugene Moore, New York, N. Y.
Application March 2, 1946, Serial No. 127,028
Term of patent 14 years
(Cl. D29—20)



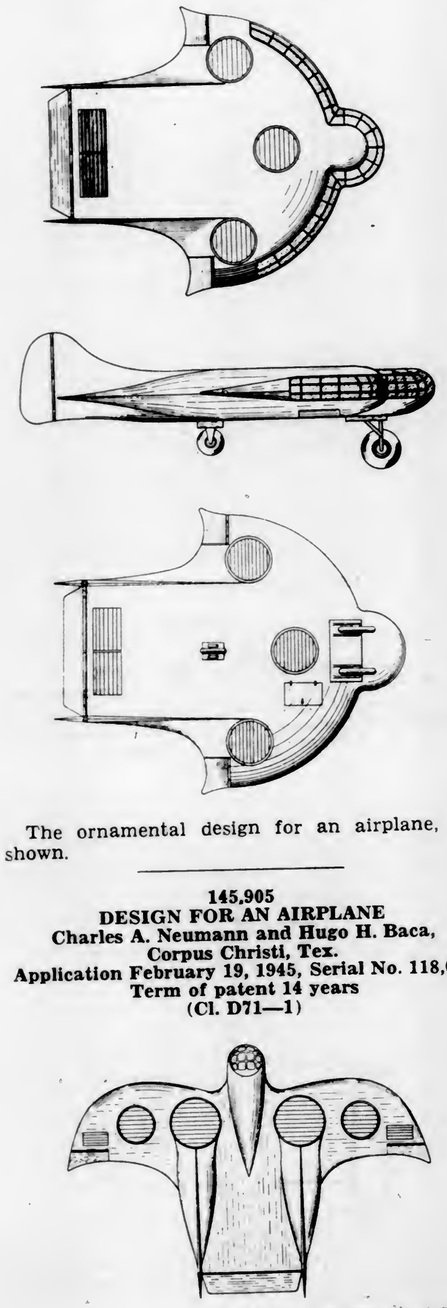
The ornamental design for a picture frame, as shown.

145,903
DESIGN FOR A CABINET FOR A BEVERAGE DISPENSER
Ralph A. Nicholson, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application December 6, 1945, Serial No. 124,424
Term of patent 14 years
(Cl. D2—3)



The ornamental design for a cabinet for a beverage dispenser, as shown.

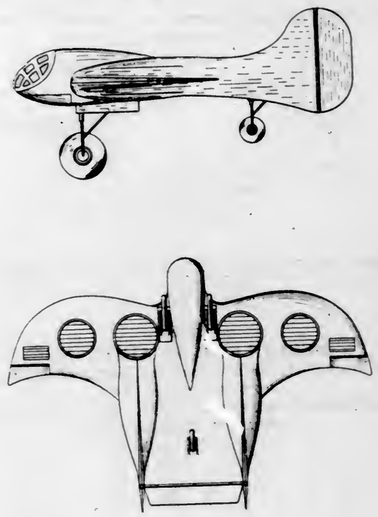
145,904
DESIGN FOR AN AIRPLANE
Charles A. Neumann and Hugo H. Baca, Corpus Christi, Tex.
Application February 19, 1945, Serial No. 118,031
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown.

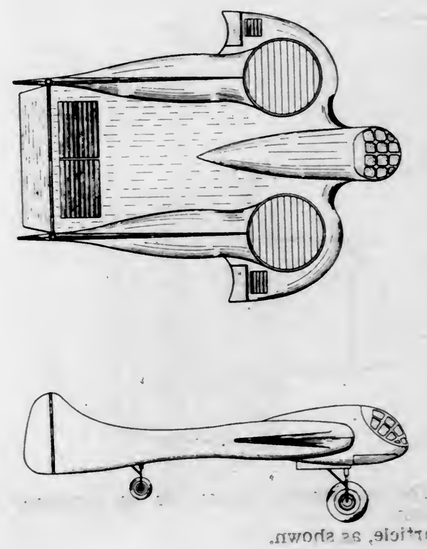
145,905
DESIGN FOR AN AIRPLANE
Charles A. Neumann and Hugo H. Baca, Corpus Christi, Tex.
Application February 19, 1945, Serial No. 118,030
Term of patent 14 years
(Cl. D71—1)

145,905—Continued

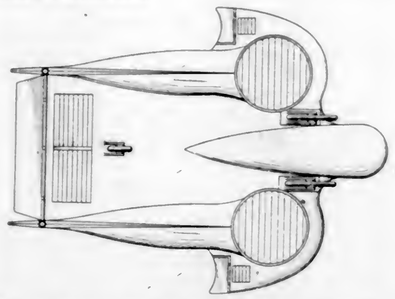


The ornamental design for an airplane, as shown.

145,906
DESIGN FOR AN AIRPLANE
Charles A. Neumann and Hugo H. Baca, Corpus Christi, Tex.
Application February 19, 1945, Serial No. 118,029
Term of patent 14 years
(Cl. D71—1)

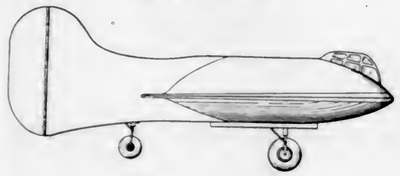


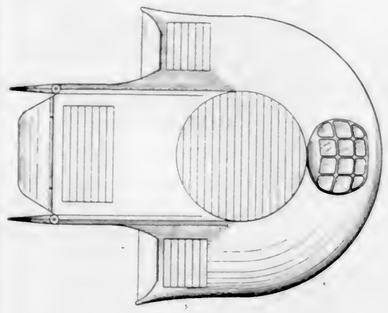
145,906—Continued

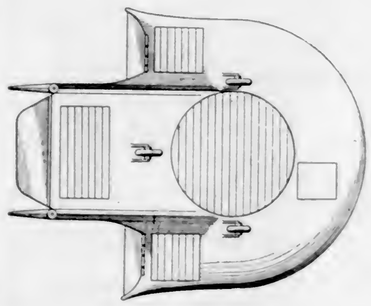


The ornamental design for an airplane, as shown.

145,907
DESIGN FOR AN AIRPLANE
Charles A. Neumann and Hugo H. Baca, Corpus Christi, Tex.
Application January 31, 1945, Serial No. 117,689
Term of patent 14 years
(Cl. D71—1)

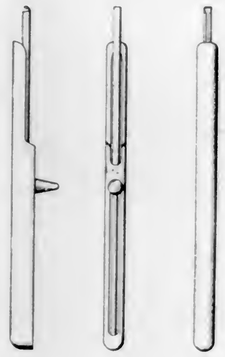






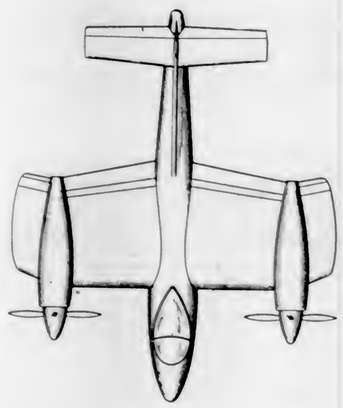
The ornamental design for an airplane, as shown.

145,908
DESIGN FOR A HAIR CURLER
Max M. Newman, New York, N. Y.
Application July 27, 1946, Serial No. 132,028
Term of patent 14 years
(Cl. D86—10)

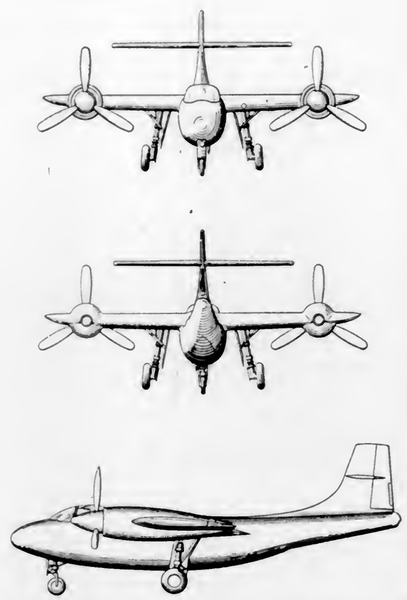


The ornamental design for a hair curler, as shown.

145,909
DESIGN FOR AN AIRPLANE
Roy J. Sandstrom, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, N. Y.
Application December 22, 1945, Serial No. 125,003
Term of patent 14 years
(Cl. D71—1)

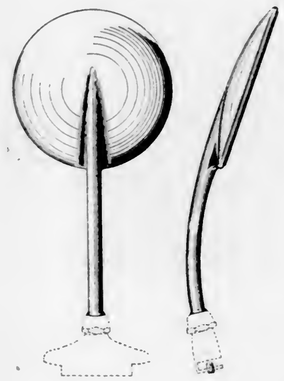


145,909—Continued



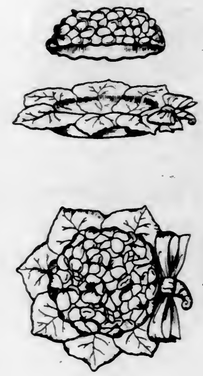
The ornamental design for an airplane, as shown.

145,910
DESIGN FOR A SIDE VIEW MIRROR OR SIMILAR ARTICLE
Lowell F. Sarnes, Dearborn, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application November 13, 1945, Serial No. 123,706
Term of patent 14 years
(Cl. D14—6)



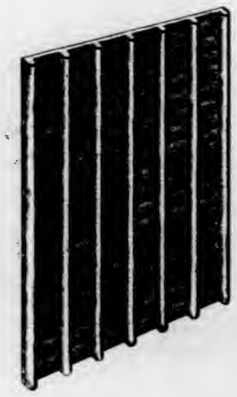
The ornamental design for a rear vision mirror or similar article, substantially as shown and described.

145,911
DESIGN FOR A COVERED BOWL OR SIMILAR ARTICLE
Lorraine M. Smith, Los Angeles, Calif.
Application December 12, 1945, Serial No. 124,660
Term of patent 7 years
(Cl. D44—15)

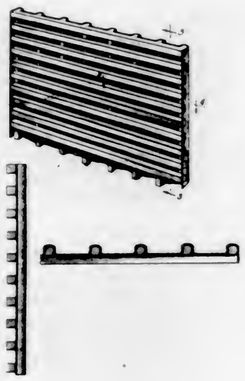


The ornamental design for a covered bowl or similar article, substantially as shown.

145,912
DESIGN FOR A RADIO SPEAKER GRILLE OR SIMILAR ARTICLE
Leland Geo. Stone, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application December 14, 1944, Serial No. 116,899
Term of patent 14 years
(Cl. D26—14)

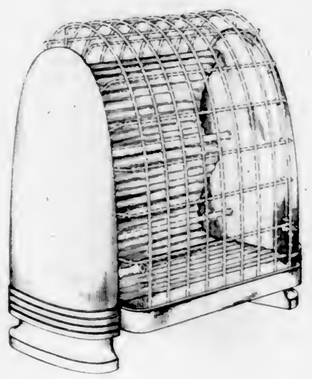


145,912—Continued

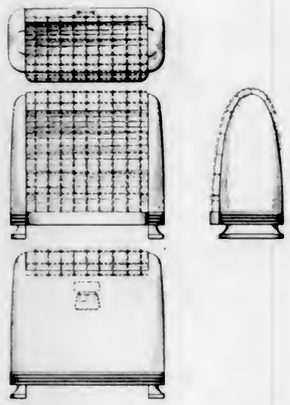


The ornamental design for a radio speaker grille or similar articble, substantially as shown.

145,913
DESIGN FOR AN ELECTBIC HEATER
Jason B. Swartzbaugh, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 20, 1945, Serial No. 124,911
Term of patent 7 years
(Cl. D81—10)

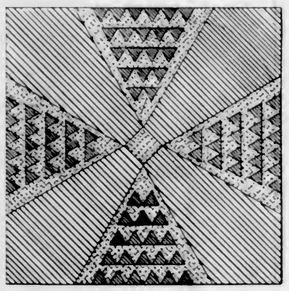


145,913—Continued



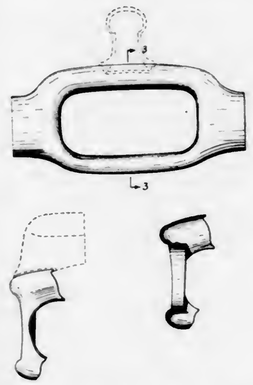
The ornamental design for an electric heater, substantially as shown and described.

145,914
DESIGN FOR A GAME BOARD
Dorothy Vincelle, Oakland, Calif.
Application May 17, 1945, Serial No. 119,586
Term of patent 3½ years
(Cl. D34—5)



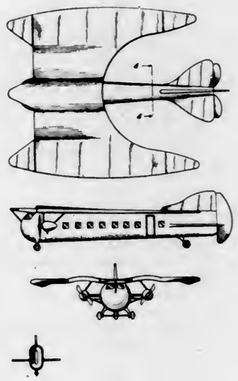
The ornamental design for a game board, as shown.

145,915
DESIGN FOR A COMBINATION BUMPER GUARD AND LICENSE PLATE HOLDER
Willys P. Wagner, Franklin Village, and Eugene T. Gregorie, Grosse Ile Township, Oakland County, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 6, 1945, Serial No. 124,414
Term of patent 14 years
(Cl. D14—6)



The ornamental design for a combination bumper guard and license plate holder, substantially as shown and described.

145,916
DESIGN FOR AN AIRPLANE
Daniel M. Zabiak, Chicago, Ill.
Application October 23, 1945, Serial No. 123,117
Term of patent 7 years
(Cl. D71—1)



The ornamental design for an airplane, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905. Sec. 6, as amended Mar. 2, 1907]

Abrams, Arthur, doing business as National Allied Company, New York, N. Y. Pocket knives and razor blades. Serial No. 485,979; Nov. 12. Class 23.

Advertisers Mart, Inc., New York, N. Y. Matrices. Serial No. 492,883; Nov. 12. Class 50.

Allaire Sales Company: *See*—
Allaire, William W.

Allaire, William W., doing business as Allaire Sales Company, Snyder, N. Y. Canned food for carniverous animals. Serial Nos. 500,787–8; Nov. 12. Class 46.

Alsco, Inc., Akron, Ohio. Storm windows and storm doors. Serial No. 501,809; Nov. 12. Class 12.

Ame Cosmetic Company, New Haven, Conn. Lotion and dressing for the hair and scalp. Serial No. 466,135; Nov. 12. Class 6.

American Bleached Goods Company, Inc., New York, N. Y. Pressing cloths. Serial No. 499,188; Nov. 12. Class 42.

American Breddo Corp., New York, N. Y. Flavoring emulsion. Serial No. 500,514; Nov. 12. Class 46.

Army and Navy Journal, Inc., Washington, D. C. Weekly newspaper. Serial No. 499,465; Nov. 12. Class 38.

Associated products, Inc., Chicago, Ill. Soaps in solid, liquid, and flake form. Serial No. 487,408; Nov. 12. Class 4.

Atlas Laboratories: *See*—
Hayes, Oscar.

Atlas Supply Company, Newark, N. J. Chemically treated paper towels. Serial No. 500,791; Nov. 12. Class 37.

Avon Products, Inc., New York, N. Y. After-shaving lotion, and colognes, perfume deodorant, etc. Serial No. 494,772; Nov. 12. Class 6.

Band Leaders Publishing Co., Inc., New York, N. Y. Music publication. Serial No. 500,353; Nov. 12. Class 38.

Barcalo Manufacturing Company, Buffalo, N. Y. Reclining chairs. Serial No. 502,553; Nov. 12. Class 32.

Bear Manufacturing Co., Rock Island, Ill. Alinement gauges; headlight testers; and brake testers. Serial Nos. 499,374–5; Nov. 12. Class 26.

Becker, Arthur L., doing business as Bibletone, New York, N. Y. Records or recordings. Serial No. 489,848; Nov. 12. Class 36.

Belli, D. B., Inc., doing business as The Screem Powder Company, San Francisco, Calif. Homogenizing powder. Serial No. 486,742; Nov. 12. Class 46.

Bellsey, Dave, Co., Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 502,682; Nov. 12. Class 39.

Bemiss Bro. Bag Company, St. Louis, Mo. Fabric bags. Serial Nos. 491,057–8; Nov. 12. Class 2.

Bibletone: *See*—
Becker, Arthur L.

Bonne, Bell, Inc., Cleveland, Ohio. Cologne. Serial No. 498,494; Nov. 12. Class 6.

Brown-Rogers-Dixon Co., Winston-Salem, N. C. Food flavoring extracts. Serial No. 462,633; Nov. 12. Class 46.

Budco, Inc., Detroit, Mich. Gas burners. Serial No. 502,685; Nov. 12. Class 34.

Byerly, Oliver M., doing business as Byerly Products Company, Hollywood, Fla. Jelly-like compound for holding dentures in place. Serial No. 497,164; Nov. 12. Class 6.

Byerly Products Company: *See*—
Byerly, Oliver M.

C. P. X. Products Company: *See*—
Costigan, Peter J.

Cammart Knitwear, Inc., New York, N. Y. Sweaters. Serial No. 502,943; Nov. 12. Class 39.

Cassel Industries: *See*—
Cassel, James M. A.

Cassel, James M. A., doing business as Cassel Industries, Ardsley, N. Y. Coasters made of strands of twisted grass. Serial No. 494,543; Nov. 12. Class 2.

Charm Slide Fastener Corp., New York, N. Y. Slide fasteners. Serial No. 499,765; Nov. 12. Class 13.

Chemical Industries: *See*—
Stein, Samuel.

Climalene Company, The, Canton, Ohio. Chemical compounds for washing and cleaning. Serial No. 505,809; Nov. 12. Class 4.

Concordade Company, Inc., Providence, R. I. Powdered citrates and chlorides in solution for improving carbonation. Serial No. 491,236; Nov. 12. Class 45.

Consolidated Cosmetics, Chicago, Ill., assignor to Veralin, Inc. Glue and paste. Serial No. 503,801; Nov. 12. Class 5.

Corning Glass Works, Corning, N. Y. Teapots, coffee makers, double boilers, etc. Serial No. 487,462; Nov. 12. Class 33.

Corona Enterprises, Inc., New York, N. Y. Ladies' handbags and cosmetic cases. Serial No. 496,690; Nov. 12. Class 3.

Costigan, Peter J., doing business as C. P. X. Products Company, Waterbury, Conn. Liquid shampoo preparation for cleaning the interior of shoes. Serial No. 493,170; Nov. 12. Class 4.

Craftmaster Products Corporation, New York, N. Y. Cooking utensils made of a base metal. Serial No. 496,432; Nov. 12. Class 13.

Crookes Laboratories, Inc., New York, N. Y. Preparation containing collodial iron hydroxide, liver concentrate, and certain components of the vitamin B complex. Serial No. 500,461; Nov. 12. Class 6.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Ditto, Incorporated, Chicago, Ill. Paper, coated with a transfer medium on one side. Serial No. 495,959; Nov. 12. Class 37.

Down-One Co., The, Beverly Hills, Calif. Nonalcoholic, noncereal, maltless beverage. Serial No. 501,173; Nov. 12. Class 45.

Ecusta Paper Corporation, Pisgah Forest, N. C. Monthly magazine. Serial Nos. 485,766–7; Nov. 12. Class 38.

Eisemann, Erna, doing business as Pygmalion, Chicago, Ill. Stationery leather goods. Serial No. 494,959; Nov. 12. Class 37.

Electric Household Utilities Corporation, Chicago, Ill. Clothes washing machines and ironing machines. Serial No. 483,816; Nov. 12. Class 24.

Electronbeam, Ltd., Chicago, Ill. Electronic apparatus. Serial No. 477,873; Nov. 12. Class 21.

Elur Company, New York, N. Y. Surgical instruments. Serial No. 509,407; Nov. 12. Class 44.

Finn, Jerry, St. Paul, Minn. Rock wool insulation. Serial No. 483,171; Nov. 12. Class 12.

Foster & Company, New York, N. Y. Whiskey. Serial No. 493,672; Nov. 12. Class 49.

Futter, Carl A., Chicago, Ill. Nonalcoholic, noncereal, maltless beverages. Serial No. 503,071; Nov. 12. Class 45.

General Solvents Sales Company, Inc., Rochester, N. Y. Liquid solvent and cleaner. Serial No. 497,090; Nov. 12. Class 4.

Ginsburgh, Harry D., New York, N. Y. Fishing tackle. Serial No. 480,571; Nov. 12. Class 22.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Adhesives in solid and liquid form. Serial No. 505,576; Nov. 12. Class 5.

Graham, Mary A., Dafter, Mich. Medicinal preparation. Serial No. 498,627; Nov. 12. Class 6.

H & H Products Co.: *See*—
Houser, William H.

Harland, John H., Company, Atlanta, Ga. Safety paper, blank checks and envelopes for checks, and check book covers. Serial No. 500,754; Nov. 12. Class 37.

Harrison, A. S., Company, The, New York, N. Y. Cleaning and waxing preparations. Serial No. 496,908; Nov. 12. Class 16.

Hayes, Oscar, doing business as Atlas Laboratories, Akron, Ohio. Insectifuge. Serial No. 498,517; Nov. 12. Class 6.

Heribert, Herbert J., New York, N. Y. Printing ink and printing lacquer. Serial No. 498,284; Nov. 12. Class 11.

Herz, Vladimir W., New York, N. Y. Picture frames. Serial No. 505,158; Nov. 12. Class 32.

Hildreth, H. L., Co., Boston, Mass. Candy. Serial No. 473,739; Nov. 12. Class 46.

Hoffmann-La Roche, Inc., Nutley, N. J. Sedatives and hypnotics. Serial No. 500,539; Nov. 12. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Medical preparation. Serial No. 500,540; Nov. 12. Class 6.

Horton & Converse, Los Angeles, Calif. Multivitamin preparations. Serial No. 493,870; Nov. 12. Class 6.

Houser, William H., doing business as H & H Products Co., Cherryville, N. C. Antiseptic lotion. Serial No. 498,897; Nov. 12. Class 6.

Hudnut, Richard, New York, N. Y. Toilet water, perfume, sachet, etc. Serial No. 485,553; Nov. 12. Class 6.

International Minerals & Chemical Corporation, Chicago, Ill. Preparation for the prevention of grave mold as an aid in body preservation. Serial No. 497,103; Nov. 12. Class 6.

Irresistible, Inc., New York, N. Y. Cologne. Serial No. 494,560; Nov. 12. Class 6.

Judson Bros. Co., Philadelphia, Pa. Agricultural fertilizer distributors. Serial No. 493,009; Nov. 12. Class 23.

Karikas, Elizabeth, Brooklyn, N. Y., and Wendel, W. Va. Medicine for sore throat and throat swellings. Serial No. 498,702; Nov. 12. Class 6.

Kelley-Clarke Company, Seattle, Wash. Canned fish. Serial No. 486,311; Nov. 12. Class 46.

Kendall Refining Company, Bradford, Pa. Viscous oils and petrolatum waxes. Serial No. 490,889; Nov. 12. Class 15.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial No. 498,638; Nov. 12. Class 26.

Kronish, Bernhard, New York, N. Y. Lipstick, rouge, face powder, etc. Serial No. 503,102; Nov. 12. Class 6.

Kum-Klean Products Co., Pasadena, Calif. Finish cream for automobiles and cleaning and polishing preparations. Serial No. 496,451; Nov. 12. Class 16.

Lee Rubber & Tire Corporation, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. Serial No. 480,590; Nov. 12. Class 35.

Lincoln Engineering Company, St. Louis, Mo. Portable and stationary lubricating apparatus. Serial No. 500,990; Nov. 12. Class 23.

Lord Jeff Knitting Company, Incorporated, New York, N. Y. Sweaters, mufflers, and cotton basque shirts. Serial No. 500,399; Nov. 12. Class 39.

Lubrizol Corporation, The, Wickliffe, Ohio. Chemical compounds, mixtures of chemical compounds, and oil solutions of chemical compounds, etc. Serial No. 496,248; Nov. 12. Class 6.

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. Serial No. 491,860; Nov. 12. Class 26.

Lysle, J. C., Milling Company, The, Leavenworth, Kans. Wheat flour. Serial No. 498,787; Nov. 12. Class 46.

Maltine Company, The, New York, N. Y. Urinary antiseptic. Serial No. 500,402; Nov. 12. Class 6.

Maltine Company, The, New York, N. Y. Protein hydrolysate. Serial No. 500,548; Nov. 12. Class 6.

Marine Optical Mfg. Co., Boston, and Roslindale, Boston, Mass. Sunglasses, spectacles, and lenses therefor. Serial No. 499,067; Nov. 12. Class 26.

May, D. C., Company, Durham, N. C. Protective covers. Serial No. 499,257; Nov. 12. Class 37.

Merrell, Wm. S., Company, The, Cincinnati and Lockland Station, Cincinnati, Ohio. Tablet or capsule for the treatment of nervous diseases. Serial No. 500,552; Nov. 12. Class 6.

Merrell, Wm. S., Company, The, Cincinnati and Lockland Station, Cincinnati, Ohio. Ointment used as a local application. Serial No. 500,553; Nov. 12. Class 6.

Merrill, Charles E., Co., Inc., Columbus, Ohio. Series of text books. Serial No. 497,732; Nov. 12. Class 38.

Milwaukee Lace Paper Company, Milwaukee, Wis. Paper napkins and paper tray covers. Serial No. 490,544; Nov. 12. Class 37.

Mine Safety Appliances Company, Pittsburgh, Pa. Oxygen breathing apparatus. Serial No. 509,588; Nov. 12. Class 44.

Minot Food Packers, Inc., Bridgeton, N. J. Canned cranberry sauce. Serial No. 497,117; Nov. 12. Class 46.

Mintons Limited, Stoke-on-Trent, England. Porcelain, earthenware, and pottery. Serial No. 483,692; Nov. 12. Class 30.

Mogar Coffee Company, Inc.: *See*—
Ryan Peanut Products Company, Inc.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. Serial No. 498,242; Nov. 12. Class 6.

Morrison Garment Co.: *See*—
Schulte, Raymond P.

National Allied Company: *See*—
Abrams, Arthur.

National Jewelers Co., New York, N. Y. Radio receiving sets and parts thereof. Serial No. 480,027; Nov. 12. Class 21.

Norin, Jack, Baltimore, Md. Liquid chemical composition. Serial No. 497,265; Nov. 12. Class 16.

Novo Engine Company, Lansing, Mich. Internal combustion engines, pumps. Serial No. 489,746; Nov. 12. Class 23.

Oliver, E. L.: *See*—
Oliver, Emilia L.

Oliver, Emilia L., doing business as E. L. Oliver, Nogales, Ariz. Fresh vegetables. Serial No. 496,729; Nov. 12. Class 46.

Ortho Pharmaceutical Corporation, Linden, N. J. Therapeutic vaginal jellies. Serial No. 488,544; Nov. 12. Class 6.

Os Laboratories: *See*—
Reichman, Henry H.

Pal, Inc., Washington, D. C. Fruit flavored non-alcoholic, maltless beverages. Serial No. 502,996; Nov. 12. Class 45.

Parfumerie Fragonard G. Fuchs et Cie., Paris, France. Perfumes. Serial No. 488,119; Nov. 12. Class 6.

Park & Tilford, New York, N. Y. Toilet soaps. Serial No. 495,405; Nov. 12. Class 4.

Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and desk sets. Serial No. 488,475; Nov. 12. Class 37.

Parker Rust Proof Company, Detroit, Mich. Chemicals used in metal treatment. Serial No. 498,307; Nov. 12. Class 6.

Pecker, Joseph S., doing business under the name of Pecker Products, Los Angeles, Calif. Laundry starch. Serial No. 485,792; Nov. 12. Class 6.

Pecker Products: *See*—
Pecker, Joseph S.

Peoples Brewing Company, Trenton, N. J. Nonalcoholic, noncereal, maltless beverage. Serial No. 501,472; Nov. 12. Class 45.

Phelps, Phoebe, Caramel Company, Boston, Mass. Candy. Serial No. 473,746; Nov. 12. Class 46.

Pilot Radio Corporation, New York, N. Y. Phonograph records. Serial No. 490,257; Nov. 12. Class 36.

Popper Morson Co., New York, N. Y., and Jersey City, N. J., assignor to Popper Morson Corp. Whiskey. Serial No. 478,406; Nov. 12. Class 49.

Popper Morson Corp.: *See*—
Popper Morson Co.

Porst Brothers, Chicago, Ill. Collet chucks. Serial No. 501,279; Nov. 12. Class 23.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 498,253; Nov. 12. Class 4.

Progress Research Corporation, Chicago, Ill. Monthly magazine. Serial No. 489,144; Nov. 12. Class 38.

Pygmalion: *See*—
Eisemann, Erna.

Rain-Beau Products Company, Canton, Mass. Fishing lines. Serial No. 493,280; Nov. 12. Class 22.

Red Top Brewing Company, Cincinnati, Ohio. Malt products. Serial Nos. 500,247–8; Nov. 12. Class 48.

Reichman, Henry H., doing business as Oz Laboratories, New York, N. Y. Soft drinks. Serial No. 491,285; Nov. 12. Class 45.

Ret-Rac Corporation, Flushing, N. Y. Conversion oil burners and boiler burner units. Serial No. 503,996; Nov. 12. Class 34.

Reuben Company, Chicago, Ill. Portfolios made of leather or leather substitute. Serial No. 496,570; Nov. 12. Class 3.

Rhodes, James H., & Company, Chicago, Ill. Steel wool. Serial No. 487,641; Nov. 12. Class 4.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Cotton piece goods. Serial No. 491,732; Nov. 12. Class 42.

Robapharm Laboratoriums A. G., Basel, Switzerland. Preparation for the treatment of gastric and duodenal ulcers. Serial No. 494,362; Nov. 12. Class 6.

Robert Manufacturing Co., Inc., New York, N. Y. Gas torches. Serial No. 499,804; Nov. 12. Class 34.

Ryan Peanut Products Co.: *See*—
Ryan Peanut Products Company, Inc.

Ryan Peanut Products Company, Inc., also doing business as Ryan Peanut Products Co., assignor to Mogar Coffee Company, Inc., Brooklyn, N. Y. Peanut butter. Serial No. 493,147; Nov. 12. Class 46.

S & H Co.: *See*—
Selmer, Alois.

Sanderson, Arthur, and Sons Ltd., London, Elgland. Textile piece goods. Serial No. 472,827; Nov. 12. Class 42.

San Diego Packing Corporation, San Diego Del Valle, Cuba. Canned fruits and vegetables, fresh vegetables, and fresh fruits. Serial No. 492,795; Nov. 12. Class 46.

San Hygene Upholstery Company, The, Akron, Ohio. Upholstered furniture. Serial No. 503,759; Nov. 12. Class 32.

Sarfert Hosiery Mills, Inc., Philadelphia, Pa. Foot socks. Serial No. 502,465; Nov. 12. Class 39.

Schachter, Phil, Dress Corp., New York, N. Y. Dresses. Serial No. 501,688; Nov. 12. Class 39.

Schenley Import Corporation, New York, N. Y. Wines. Serial No. 490,140; Nov. 12. Class 47.

Schulte, Raymond P., doing business as Morrison Garment Co., St. Paul, Minn. Washable professional and service apparel. Serial No. 500,631; Nov. 12. Class 39.

Screem Powder Company, The: *See*—
Belli, D. B., Inc.

Selmer, Alois, doing business as S & H Co., Bronx, N. Y. Snuff. Serial No. 491,368; Nov. 12. Class 17.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 500,138; Nov. 12. Class 6.

Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y. Fresh deciduous fruits. Serial No. 496,992; Nov. 12. Class 46.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco and cigarettes. Serial No. 501,019; Nov. 12. Class 17.

Sleepmaster Products Company: *See*—
Sleepmaster Products, Inc.

Sleepmaster Products Company, Inc., also doing business as Sleepmaster Products Company, Newark, N. J. Mattresses, box springs, pillows, etc. Serial No. 492,285; Nov. 12. Class 32.

Socina G. m. b. H., Berne, Switzerland. Colored mechanical pencils. Serial Nos. 489,770–1; Nov. 12. Class 37.

Sonco, Inc., Boston, Mass. Hypodermic needles. Serial No. 509,611; Nov. 12. Class 44.

Soreng-Manegold Company, Chicago, Ill., now by change of name Soreng Manufacturing Corporation. Solenoids (both AC and DC), electric switches (both AC and DC), automatic switches, and circuit breakers, etc. Serial No. 479,734; Nov. 12. Class 21.

Soreng-Manegold Company, Chicago, Ill., now by change of name Soreng Manufacturing Corporation. Solenoids (both AC and DC), electric switches (both AC and DC), automatic switches and circuit breakers, etc. Serial No. 480,091; Nov. 12. Class 21.

Soreng Manufacturing Corporation: *See*—
Soreng-Manegold Company.

Stanco Incorporated, Wilmington, Del., and New York, N. Y. Anti-freeze compound. Serial No. 498,035; Nov. 12. Class 6.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Chemical used to prevent the freezing of moisture. Serial No. 498,322; Nov. 12. Class 6.

Stein, Samuel, doing business as Chemical Industries, and Stynamite Company, San Francisco, Calif. Liquid chemical cleaning preparation. Serial No. 492,473; Nov. 12. Class 4.

Stynamite Company: *See*—
Stein, Samuel.

Swift & Company, Chicago, Ill. Food for carniverous animals. Serial No. 502,345; Nov. 12. Class 46.

Syracuse Ornamental Co., Syracuse, N. Y. Plastic utility trays, plastic sandwich trays, coasters, etc. Serial No. 490,978; Nov. 12. Class 2.

Tanbark and Turf Publishing Corporation, Burbank, Calif. Magazine. Serial No. 499,923; Nov. 12. Class 38.

Taylor, Taylor & Hobson Limited, Leicester, England. Photographic lenses. Serial Nos. 498,942–3; Nov. 12. Class 26.

Theobald Industries, The, Kearny, N. J. General household cleanser. Serial Nos. 497,752–3; Nov. 12. Class 4.

Titanine, Inc., Union, N. J. Adhesive in the nature of a liquid cement. Serial Nos. 499,519–20; Nov. 12. Class 5.

Treasure Masters, assignor to Treasure Masters Corporation Minneapolis, Minn. Greeting cards and printed greeting folders. Serial No. 493,852; Nov. 12. Class 38.

Trineo, Sociedad de Responsabilidad Limitada, Capital $250,000, Buenos Aires, Argentina. Candy. Serial No. 472,794; Nov. 12. Class 46.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 494,244; Nov. 12. Class 38.

United States Rubber Company, New York, N. Y. Battery charging apparatus. Serial No. 495,775; Nov. 12. Class 21.

Urbanna Wine Company, Inc., Urbanna, Hammondsport, N. Y. Wines. Serial No. 501,295; Nov. 12. Class 47.

Van Products Company, Erie, Pa. Power vises. Serial No. 487,060; Nov. 12. Class 23.

Veralin, Inc., assignee: *See*—
Consolidated Cosmetics.

Vitamins & Pharmaceuticals, Inc., Dover, Del. Double salt of calcium ascorbate acetylsalicylate with vitamins. Serial No. 497,283; Nov. 12. Class 6.

Vogue Optical Mfg. Company, New York, N. Y. Optical frames. Serial No. 499,027; Nov. 12. Class 26.

Voo-Doo Chemical Co.: *See*—
Young, Arthur E.

Voo-Doo Chemical Sales, Inc., assignee: *See*—
Young, Arthur E.

Wallerstein Company, Inc., New York, N. Y. Enzyme preparation. Serial No. 500,433; Nov. 12. Class 6.

Wile, Julius, Sons & Co., Inc., New York, N. Y. Bordeaux wines. Serial No. 500,784; Nov. 12. Class 47.

Williamsburg Publishing Co. Inc., New York, N. Y. Nonphotographic greeting cards. Serial No. 482,407; Nov. 12. Class 38.

Winsome Publishing Company, Ozone Park, Long Island, N. Y. Books. Serial No. 500,593; Nov. 12. Class 38.

Witco Chemical Company, Chicago, Ill. Asphaltic compound. Serial No. 492,535; Nov. 12. Class 12.

Wolff Shirt Company, New York, N. Y. Men's and boys' sweaters and outer shirts. Serial No. 501,798; Nov. 12. Class 39.

Woolworth, F. W., Company, New York, N. Y. Hose. Serial No. 502,549; Nov. 12. Class 39.

Young, Arthur E., doing business as Voo-Doo Chemical Co., Los Angeles, Calif., assignor to Voo-Doo Chemical Sales, Inc., Long Beach, Calif. General purpose cleaning compound. Serial No. 495,928; Nov. 12. Class 4.

Zeitman, Al, doing business as Zeitman Produce Company, Phoenix, Ariz. Fresh citrus fruits. Serial No. 499,034; Nov. 12. Class 46.

Zeitman Produce Company: *See*—
Zeitman, Al.

LIST OF REGISTRANTS OF TRADE-MARKS

Adel Precision Products Corp., Burbank, Calif. Medico-surgical cameras, parts thereof and accessories therefor. 425,288; Nov. 12; Serial No. 494,418; published July 23, 1946. Class 26.

Advance Aluminum Castings Corp., Chicago, Ill.. Cast aluminum cookware. 425,281; Nov. 12; Serial No. 492,981; published Aug. 27, 1946. Class 13.

Africa Game Company: *See*—
Hemsch, Robert W.

Air Dome Co.: *See*—
Kubista, Charles L.

Alabama Machinery & Supply Company, Montgomery, Ala. Sawmills. 220,568; renewed Nov. 9, 1946. O. G. Nov. 12. Class 23.

Alburger, James R., Hollywood, Calif. Pre-exposed photographic film. 425,380; Nov. 12. Class 26.

Allied Chemical & Dye Corporation: *See*—
National Aniline & Chemical Company, Incorporated.

Amer, William, Company, Philadelphia, Pa. Glazed kid leather. 425,397; Nov. 12. Class 1.

American Lead Pencil Company, Hoboken, N. J. Wooden lead pencils, mechanical lead pencils, and fountain pens. 425,333; Nov. 12; Serial No. 495,647; published Aug. 27, 1946. Class 37.

American Metal Products Company, Bridgeport, Conn. Pyrophoric cigar and cigarette lighters. 425,329; Nov. 12; Serial No. 495,433; published Aug. 27, 1946. Class 34.

Ames Company, Inc.: *See*—
Miles, Dr., Medical Company.

Ams, Max, Inc., New York, N. Y. Apple jelly. 425,227; Nov. 12; Serial No. 466,372; published Aug. 20, 1946. Class 46.

Anderson, Charles L., to W. T. Morgan, doing business as The Orchard Products Company, Denver, Colo. Vinegar, apple-butter, jellies, etc. 57,690; re-renewed Nov. 27, 1946.. O. G. Nov. 12. Class 46.

Arbogast, Fred, Akron, Ohio Artificial fish bait. 425,291; Nov. 12; Serial No. 494,479; published Aug. 27, 1946. Class 22.

Armstrong Packing Company, Dallas, Tex., to Swift & Company, Chicago, Ill. Cottonseed-oil shortening. 221,360; renewed Nov. 30, 1946. O. G. Nov. 12. Class 46.

Aron, J., & Company, Inc., New Orleans, La. Green coffee. 216,178; renewed Aug. 3, 1946. O. G. Nov 12. Class 46.

Art-Craft Briar Pipe Co, Brooklyn, N. Y. Smoking pipes. 425,264; Nov. 12; Serial No. 491,610; published Aug. 20, 1946. Class 8.

Art-Craft Briar Pipe Co., Brooklyn, N. Y. Smoking pipes. 425,265–71; Nov. 12; Serial Nos. 491,613–19; published Aug. 20, 1946. Class 8.

Art Iron & Wire Works, Inc., Toledo, Ohio. Metal elements for buildings or other structures. 425,387; Nov. 12. Class 12.

Arthur, Oscar F., doing business as Steel Wire Products, Connellsville, Pa. Steel wire pallets. 425,381; Nov. 12. Class 2.

Atlas Works: *See*—
Dronsfield Brothers Limited.

Aurora Automatic Machinery Company, Aurora, to Independent Pneumatic Tool Company, Chicago, Ill. Portable motor-driven pneumatic drills, portable motor-driven pneumatic hammers, etc. 57,742; re-renewed Nov. 27, 1946. O. G. Nov. 12. Class 23.

Beau Brummel Polish Corp., Brooklyn, N Y. Shoe polish. 425,297; Nov. 12; Serial No. 494,649; published Aug. 13, 1946. Class 4.

Bedford, John, & Sons Limited, Sheffield, England. Files. 214,787; renewed July 6, 1946. O. G. Nov. 12. Class 23.

Bell & Gossett Company, Morton Grove, Ill. Circulating pumps, flow control valves, fittings, etc. 425,378; Nov. 12. Class 34.

Berndt, C. M., Company: *See*—
Berndt, Carroll M.

Berndt, Carroll M., doing business as C. M. Berndt Company, Baltimore, Md. Paraguayan tea (Ilex Paraguayensis). 425,343; Nov. 12; Serial No. 497,839; published Aug. 27, 1946. Class 46.

Best & Co., Inc., New York, N. Y. Women's and children's dresses. 217,606; renewed Sept. 7, 1946. O. G. Nov. 12. Class 39.

Best Foods, Inc., The, New York, N. Y. Cereal foods. 425,350; Nov. 12; Serial No. 501,305; published Aug. 27, 1946. Class 46.

Better Finishes and Coatings, Inc., Newark, N. J. Coating materials. 425,247; Nov. 12; Serial No. 487,456; published Aug. 27, 1946. Class 16.

Blackburn Products, Inc., Newark, N. J. Artificial leather coated fabrics. 425,370; Nov. 12. Class 50.

Blue Ribbon Products Company, San Francisco, Calif. Granulated soap and washing and cleaning compound. 425,331; Nov. 12; Serial No. 495,534; published Aug. 20, 1946. Class 4.

Blumert Packing Company: *See*—
Blumert, Samuel L.

Blumert, Samuel L., doing business as Blumert Packing Company, Chicago, Ill. Smoked fish. 425,349; Nov. 12; Serial No. 500,940; published Aug. 20, 1946. Class 46.

Bocchino, Stanley R., doing business as Davis Soap Company, San Francisco, Calif. Soap and mechanics' cleanser. 425,235; Nov. 12; Serial No. 482,194; published Aug. 13, 1946. Class 4.

Boland Manufacturing Company: *See*—
Boland, Stanley V.

Boland, Stanley V., doing business as Boland Manufacturing Company, Chicago, Ill. Shower caps, bathing caps, rain coats, etc. 425,245; Nov. 12; Serial No. 487,306; published Aug. 27, 1946. Class 39.

Booth Fisheries Corporation, Chicago, Ill. Frozen fresh vegetables, frozen fresh fruits. 425,257; Nov. 12; Serial No. 489,098; published Aug. 27, 1946. Class 46.

Bridgeport Wood Finishing Company, The, New Milford, Conn., to E. I. du Pont de Nemours and Company, Wilmington, Del. Wood-filler. 28,336; re-renewed June 2, 1946. O. G. Nov. 12. Class 16.

Bristol-Myers Company: *See*—
Ingram, Frederick F., Company.

Brosius, W. E., Company: *See*—
Brosius, Wm. E.

Brosius, Wm. E., doing business as W. E. Brosius Company, Pittsburgh, Pa. Chemicals for fire-extinguishing machines. 221,691; renewed Dec. 7, 1946. O. G. Nov. 12. Class 6.

Brown, Arnold W., doing business as Standard Laboratories, Ypsilanti, Mich. Soap. 425,371; Nov. 12. Class 4.

Brown & Bigelow, St. Paul, Minn. Periodical. 219,490; renewed Oct. 19, 1946. O. G. Nov. 12. Class 38.

Brown, J. S., Jr., doing business as Distributors Company, New Iberia, La. Canned fruit juices. 425,240; Nov. 12; Serial No. 485,625; published Aug. 20, 1946. Class 46.

Carmi-Feature Underwear, Incorporated: *See*—
Dixie Underwear Company Inc.

Carpinteria Lemon Association: *See*—
Hubbard, C. D., Fruit Co.

Carroll Chain Company, The, Columbus, Ohio. Chains made of iron and steel. 220,824; renewed Nov. 16, 1946. O. G. Nov. 12. Class 13.

Carrs Fork Coal Company, Lexington, Ky., to Carrs Fork Coal Company, Portsmouth, Ohio. Coal. 221,061; renewed Nov. 23, 1946. O. G. Nov. 12. Class 1.

Central Supply Company, Indianapolis, Ind. Refrigerators. 425,379; Nov. 12. Class 31.

Chemical Manufacturing & Distributing Company, Easton, Pa. Self-polishing waxes, floor, furniture, and automobile polishing waxes and furniture polishes. 425,246; Nov. 12; Serial No. 487,354; published Aug. 6, 1946. Class 16.

Chile Exploration Company, New York, N. Y. Copper ingots, ingot bars, wire bars, etc. 215,547; renewed July 20, 1946. O. G. Nov. 12. Class 14.

Columbia Phonograph Company, Inc., to Columbia Recording Corporation, Bridgeport, Conn. Phonographs or talking machines, parts, etc. 221,607; renewed Dec. 7, 1946. O. G. Nov. 12. Class 36.

Columbia Recording Corporation: *See*—
Columbia Phonograph Company, Inc.

Columbus Iron Works Company, Columbus, Ga. Wood burning heaters. 425,391; Nov. 12. Class 34.

Comfort Coal-Lumber Co., Inc., Hackensack, N. J. Coal. 220,114; renewed Nov. 2, 1946. O. G. Nov. 12. Class 1.

Comfort Coal-Lumber Co. Inc., Hackensack, N. J. Brick, tile, wall ties, etc. 221,275; renewed Nov. 23, 1946. O. G. Nov. 12. Class 12.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 425,252; Nov. 12; Serial No. 487,994; published Aug. 20, 1946. Class 17.

Consolidated Coal & Coke Company, The, Denver, Colo. Lignite coal. 56,786; re-renewed Oct. 16, 1946. O. G. Nov. 12. Class 1.

Consolidated Razor Blade Co. Inc., Jersey City, N. J. Shaving cream. 425,377; Nov. 12. Class 4.

Cory Corporation, assignee: *See*—
Cory Glass Coffee Brewer Co.

Cory Glass Coffee Brewer Co., Chicago, Ill., assignor to Cory Corporation. Coffee brewer filter made of glass. 425,394; Nov. 12. Class 33.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills.

Davis Soap Company: *See*—
Bocchino, Stanley R.

De Pasco, Cerro, Copper Corporation, New York, N. Y. Various metals. 425,275; Nov. 12; Serial No. 492,033; published Aug. 13, 1946. Class 14.

Dietz, R. E., Company, New York, N. Y. Tubular lanterns. 57,759; re-renewed Nov. 27, 1946. O. G. Nov. 12. Class 34.

Dietz, R. E., Company, New York, N. Y. Burners for oil-burning lamps and lanterns. 57,763–5; re-renewed Nov. 27, 1946. O. G. Nov. 12. Class 34.

Dietz, R. E., Company, New York, N. Y. Oil-burning lamps and lanterns. 57,793–4; re-renewed Nov. 27, 1946. O. G. Nov. 12. Class 34.

Distributors Company: *See*—
Brown, J. S., Jr.

Distributors Research Corporation, New York, N. Y. Fountain pens. 425,289; Nov. 12; Serial No. 494,429; published Aug. 27, 1946. Class 37.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. 425,383; Nov. 12. Class 37.

Ditto, Incorporated, Chicago, Ill. Hectograph carbon paper. 425,339; Nov. 12; Serial No. 495,958; published Aug. 27, 1946. Class 11.

Dixie Underwear Company Inc., Montgomery, Ala., to Carmi-Feature Underwear, Incorporated, New York, N. Y. Men's underwear of textile fabric. 217,782; renewed Sept. 7, 1946. O. G. Nov. 12. Class 39.

Dronsfield Brothers Limited, doing business as Atlas Works, Oldham, England. Emery tapes and emery fillets. 425,229; Nov. 12; Serial No. 474,399; published Aug. 27, 1946. Class 4.

Du Pont, E. I., de Nemours and Company: *See*—
Bridgeport Wood Finishing Company, The.
Newport Company, The.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Pyrozylin enamels. 213,806; renewed June 8, 1946. O. G. Nov. 12. Class 16.

East Asiatic Co., The, to The East Asiatic Company, Inc., San Francisco, Calif. Whiting. 221,181; renewed Nov. 23, 1946. O. G. Nov. 12. Class 16.

East Asiatic Company, Inc., The: *See*—
East Asiatic Co., The.

Easy Washing Machine Company Limited, Toronto, Ontario, Canada. Lock nuts. 425,372; Nov. 12. Class 13.

Edison Electric Appliance Company, to Edison General Electric Appliance Company, Inc., Chicago, Ill. Certain electrical appliances. 216,635; renewed Aug. 17, 1946. O. G. Nov. 12. Class 21.

Edison General Electric Appliance Company, Inc.: *See*—
Edison Electric Appliance Company.

Electronic Mechanical Products Co., Atlantic City, N. J. Electro-mechanical instrument and parts. 425,251; Nov. 12; Serial No. 487,829; published Aug. 27, 1946. Class 26.

Electro-Technical Products, Inc., Nutley, N. J. Washable, waterproof fabrics, of silk, rayon, cotton, etc. 425,365–6; Nov. 12. Class 42.

Elsa Canning Company: *See*—
Roettele, Carl A.

Empire Steel Castings, Inc., Reading, Pa. Steel castings. 425,283; Nov. 12; Serial No. 493,437; published Aug. 13, 1946. Class 14.

Erasmus Atlass Co., New York, N. Y. Tobacco pouches. 425,340; Nov. 12; Serial No. 496,305; published Aug. 27, 1946. Class 8.

Even-Pul Foundations, Inc., New York, N. Y. Brassières and bandeaux. 425,301–2; Nov. 12; Serial Nos. 494,963–4; published Aug. 20, 1946. Class 39.

Exhibit Supply Company, Chicago, Ill. Coin controlled amusement apparatus. 425,365; Nov. 12; Serial No. 502,370; published Aug. 27, 1946. Class 22.

Ferro Stamping & Manufacturing Company, Detroit, Mich. Door locks and deck locks. 218,248; renewed Sept. 21, 1946. O. G. Nov. 12. Class 25.

Field-Ernst Envelope Co., San Francisco, Calif. Correspondence envelopes. 425,363; Nov. 12. Class 37.

Finkl, A., & Sons Company, Chicago, Ill. Steel. 425,292–4; Nov. 12; Serial Nos. 494,487–9; published Aug. 13, 1946. Class 14.

Fisba Handkerchiefs: *See*—
Fischbacher, Christian H.

Fischbacher, Christian H., doing business as Fisba Handkerchiefs, New York, N. Y. Handkerchiefs. 425,296; Nov. 12; Serial No. 494,599; published Aug. 20, 1946. Class 39.

Foerderer, Robert H., Frankford, Philadelphia, to Robert H. Foerderer, Incorporated, Philadelphia, Pa. Dressings or polishes for shoes. 29,188; re-renewed Nov. 17, 1946. O. G. Nov. 12. Class 4.

Foerderer, Robert H., Incorporated: *See*—
Foerderer, Robert H.

Follsain Metals Ltd., Lutterworth, near Rugby, England. Unwrought and partly wrought base metals and their alloys. 425,230; Nov. 12; Serial No. 477,603; published Aug. 13, 1946. Class 14.

Forcherio Hermanos, Buenos Aires, Argentina. Confections. 425,238; Nov. 12; Serial No. 484,564; published Aug. 20, 1946. Class 46.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning, cleansing, and detergent materials. 215,013; renewed July 6, 1946. O. G. Nov. 12. Class 4.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning and cleansing materials. 215,014; renewed July 6, 1946. O. G. Nov. 12. Class 4.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Commercial, prepared and modified soda ash. 215,015; renewed July 6, 1946. O. G. Nov. 12. Class 6.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Metal cleaner. 215,016; renewed July 6, 1946. O. G. Nov. 12. Class 4.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Modified, prepared, commercial, and special alkali. 215,235; renewed July 13, 1946. O. G. Nov. 12. Class 6.

Forest Brush Works Limited, London, England. Brushes. 214,884; renewed July 6, 1946. O. G. Nov. 12. Class 29.

Forhan Company, to Zonite Products Corporation, New York, N. Y. Chewing gum. 214,314; renewed June 22, 1946. O. G. Nov. 12. Class 46.

Freedman-Roedelheim Company, Philadelphia, Pa. Fabrics and piece goods. 425,233; Nov. 12; Serial No. 480,950; published Aug. 27, 1946. Class 42.

Freeman Manufacturing Company, Sturgis, Mich. Ladies' girdles and pantie girdles. 425,295; Nov. 12; Serial No. 494,497; published Aug. 20, 1946. Class 39.

Friedman, H., Hat Co., Inc., New York, N. Y., to Melton Hat Co., Bethel, Conn. Men's hats. 216,995; renewed Aug. 24, 1946. O. G. Nov. 12. Class 39.

Fritts, Donald E., doing business as Plastic Center Co., San Francisco, Calif. Dials for scientific recording instruments and protective cover. 425,367; Nov. 12. Class 26.

Fulton Bag & Cotton Mills, Atlanta, Ga. Waterproofed tents, tarpaulins, and coverings, etc. 218,459; renewed Sept. 28, 1946. O. G. Nov. 12. Classes 42 and 50.

Fulton Company, The, to The Fulton Sylphon Company, Knoxville, Tenn. Radiator inclosures. 216,194; renewed Aug. 3, 1946. O. G. Nov. 12. Class 34.

Fulton Sylphon Company, The: *See*—
Fulton Company, The.

Gallagher, Samuel J., Brawley, to Samuel J. Gallagher, Hollister, Calif. Fresh vegetables; fresh fruits; fresh melons. 218,114; renewed Sept. 21, 1946. O. G. Nov. 12. Class 46.

Gates Rubber Company, The, Denver, Colo. Power transmission belts and garden hose. 425,290; Nov. 12; Serial No. 494,439; published Aug. 27, 1946. Class 35.

General Drug Company, New York, N. Y. Headache remedy. 220,852; renewed Nov. 16, 1946. O. G. Nov. 12. Class 6.

General Motors Corporation: *See*—
Inland Manufacturing Company.

General Motors Corporation, Detroit, Mich. Automobiles. 216,070; renewed Aug. 3, 1946. O. G. Nov. 12. Class 19.

Gibbs & Company, Incorporated, Baltimore, Md. Canned vegetables. 425,258; Nov. 12; Serial No. 489,664; published Aug. 27, 1946. Class 46.

Glass-Weave Mfg. & Supply Co.: *See*—
Spence, Ralph Arthur.

Golden Arrow Toiletries, New York, N. Y. Face soaps, bath soaps, and shaving creams. 425,319; Nov. 12; Serial No. 495,169; published Aug. 13, 1946. Class 4.

Golden Arrow Toiletries, New York, N. Y. Face soaps, bath soaps, and shaving creams. 425,320; Nov. 12; Serial No. 495,287; published Aug. 13, 1946. Class 4.

Golden Arrow Toiletries, New York, N. Y. Face soaps, bath soaps, and shaving creams. 425,326–7; Nov. 12; Serial Nos. 495,375–6; published Aug. 13, 1946. Class 4.

Golden Arrow Toiletries, New York, N. Y. Face soaps, bath soaps, and shaving creams. 425,330; Nov. 12; Serial No. 495,468; published Aug. 13, 1946. Class 4.

Gray and Gray, Venice, Calif. Dill pickles, black pepper, French dressing, etc. 425,237; Nov. 12; Serial No. 483,854; published Aug. 27, 1946. Class 46.

Great Lakes Varnish Works, Inc., Chicago, Ill. Ready-mixed paint. 425,243; Nov. 12; Serial No. 486,767; published Aug. 13, 1946. Class 16.

Greenberg, Herman, New York, N. Y. Garment hangers. 425,373; Nov. 12. Class 50.

Grimes, J. Percy, trading as Grimes Milling Company, Salisbury, N. C. Hog feed. 217,029; renewed Aug. 24, 1946. O. G. Nov. 12. Class 46.

Grimes Milling Company: *See*—
Grimes, J. Percy.

Growers Service and Supply Company, Yakima, Wash. Fertilizers. 425,242; Nov. 12; Serial No. 486,617; published Aug. 20, 1946. Class 10.

Hammond, G. H., Company, to G. H. Hammond Company, Chicago, Ill. Dried beef and eggs. 221,385; renewed Nov. 30, 1946. O. G. Nov. 12. Class 46.

Hanna Paint Manufacturing Company, The, Columbus, Ohio. Paint enamel. 221,230; renewed Nov. 23, 1946. O. G. Nov. 12. Class 23.

Hardison, E. K., Seed Company, Nashville, Tenn. Field and garden seeds. 425,382; Nov. 12. Class 1.

Hazel-Atlas Glass Company, Wheeling, W. Va. Fruit-jars. 54,846; re-renewed July 31, 1946. O. G. Nov. 12. Class 33.

Helfern Co. Ltd., Los Angeles, Calif. Cigarette lighters of the pyrophoric type. 425,396; Nov. 12. Class 34.

Hemsch, Robert W., doing business as Africa Game Company, New York, N. Y. Game consisting of twelve bowls. 425,303; Nov. 12; Serial No. 494,970; published Aug. 27, 1946. Class 22.

Hendricks, Frank R., Puyallup, Wash. Venetian blinds. 425,354; Nov. 12; Serial No. 502,293; published Aug. 27, 1946. Class 32.

Hiawatha Metal Products, Inc., Manistique, Mich. Roller skates. 425,334; Nov. 12; Serial No. 495,672; published Aug. 27, 1946. Class 22.

Hill-Shaw Company, Chicago, Ill. Porcelain filters. 425,369; Nov. 12. Class 30.

Hills, McLean & Haskins, Incorporated, Binghamton, N. Y. Dolls. 220,911; renewed Nov. 16, 1946. O. G. Nov. 12. Class 22.

Hillyard Chemical Company, St. Joseph, Mo. Ready-mixed paint. 425,299; Nov. 12; Serial No. 494,843; published Aug. 6, 1946. Class 16.

Holcomb, J. I., Mfg. Co., Indianapolis, Ind. Automotive and the like shampoo material. 425,321; Nov. 12; Serial No. 495,295; published Aug. 13, 1946. Class 4.

Hollin, John G., doing business as International Export Company, San Francisco, Calif. Ready-mixed paints. 425,390; Nov. 12. Class 16.

Hollingshead, R. M., Co., The, to R. M. Hollingshead Corporation, Camden, N. J. Preparations for cleaning radiators and motor cooling systems and drain pipes, etc. 221,399; renewed Nov. 30, 1946. O. G. Nov. 12. Class 6.

Hollingshead, R. M., Corporation: *See*—
Hollingshead, R. M., Co., The.

Hubbard, C. D., Fruit Co., to Carpinteria Lemon Association, Carpinteria, Calif. Fresh citrous fruits. 221,418; renewed Nov. 30, 1946. O. G. Nov. 12. Class 46.

Hudnut, Richard: *See*—
Hudnut's, R., Pharmacy.

Hudnut's, R., Pharmacy, to Richard Hudnut, New York, N. Y. Toilet water and liquid perfume. 58,048; re-renewed Dec. 4, 1946. O. G. Nov. 12. Class 6.

Hudnut's, R., Pharmacy, to Richard Hudnut, New York, N. Y. Talcum powder. 58,087; re-renewed Dec. 4, 1946. O. G. Nov. 12. Class 6.

Independent Pneumatic Tool Company: *See*—
Aurora Automatic Machinery Company.

Ingram, Frederick F., Company, Detroit, Mich., to Bristol-Myers Company, New York, N. Y. Face cream. 216,514; renewed Aug. 10, 1946. O. G. Nov. 12. Class 6.

Inland Manufacturing Company, Dayton, Ohio, to General Motors Corporation, Detroit, Mich. Steering wheels for motor-driven vehicles. 220,921; renewed Nov. 16, 1946. O. G. Nov. 12. Class 19.

International Export Company: *See*—
Hollin, John G.

Interstate Bakeries Corporation, Kansas City, Mo., Chicago, Springfield, and Peoria, Ill., Cincinnati, Ohio, Omaha, Nebr., Grand Rapids, Mich., and Des Moines, Iowa. Bakery sweets goods. 425,360; Nov. 12. Class 46.

Jenkins, Alfred B., New York, N. Y., and Boston, Mass., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Rubber packing, rubber gaskets, rubber disks, etc. 54,081; re-renewed June 19, 1946. O. G. Nov. 12. Class 35.

Jenkins, Alfred B., New York, N. Y., and Boston, Mass., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Rubber packing, rubber gaskets, rubber disks, etc. 54,209; re-renewed June 19, 1946. O. G. Nov. 12. Class 35.

Jenkins Bros.: *See*—
Jenkins, Alfred B.

Johns-Manville Corporation: *See*—
Magne-Silica Company.

Johnson-March Corporation, The, New York, N. Y. Cleaner for metal. 425,285; Nov. 12; Serial No. 494,075; published Aug. 20, 1946. Class 4.

Kasco Mills, Inc., Toledo, Ohio. Calf feed. 425,341; Nov. 12; Serial No. 497,247; published Aug. 27, 1946. Class 46.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 425,255; Nov. 12; Serial No. 488,817; published Aug. 27, 1946. Class 37.

Keach, Charles B., doing business as Kemo Textile Products Co., Providence, R. I. Washing powders. 425,318; Nov. 12; Serial No. 495,127; published Aug. 13, 1946. Class 4.

Keever Starch Company, The, Columbus, Ohio. Wall size. 425,348; Nov. 12; Serial No. 499,415; published Aug. 27, 1946. Class 5.

Kellogg, Spencer, and Sons, Inc., Buffalo, N. Y. Linseed oil. 425,239; Nov. 12; Serial No. 485,412; published Aug. 20, 1946. Class 16.

Kemo Textile Products Co.: *See*—
Keach, Charles B.

King, Stephen B., & Son Co., Milwaukee, Wis. Paint. 425,277; Nov. 12; Serial No. 492,323; published Aug. 20, 1946. Class 16.

Kubista, Charles L., doing business as Air Dome Co., Owatonna, Minn. Poultry founts connects with a water supply. 425,364; Nov. 12. Class 13.

La France Dry Cleaners, assignor to La France Dry Cleaners, Incorporated, Youngstown, Ohio. Dry cleaning preparation. 425,250; Nov. 12; Serial No. 487,681; published Aug. 13, 1946. Class 4.

La France Dry Cleaners, Incorporated, assignee: *See*—
La France Dry Cleaners.

Landon, Kirk A., doing business as United Service Association, Miami, Fla. Automobile display plates. 425,368; Nov. 12. Class 50.

Leadway Stores Corporation, Chicago, Ill. Sanitary napkins. 425,353; Nov. 12; Serial No. 501,992; published Aug. 27, 1946. Class 44.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,304; Nov. 12; Serial No. 495,038; published Aug. 6, 1946. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,305; Nov. 12; Serial No. 495,042; published Aug. 6, 1946. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,306; Nov. 12; Serial No. 495,044; published Aug. 6, 1946. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,307; Nov. 12; Serial No. 495,049; published Aug. 6, 1946. Class 4.

Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,308; Nov. 12; Serial No. 495,055; published Aug. 6, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,309; Nov. 12; Serial No. 495,057; published Aug. 13, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,310; Nov. 12; Serial No. 495,059; published Aug. 6, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,311; Nov. 12; Serial No. 495,066; published Aug. 13, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,312; Nov. 12; Serial No. 495,069; published Aug. 13, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,313; Nov. 12; Serial No. 495,076; published Aug. 13, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,314; Nov. 12; Serial No. 495,078; published Aug. 13, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,322; Nov. 12; Serial No. 495,300; published Aug. 13, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,323; Nov. 12; Serial No. 495,303; published Aug. 13, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,324; Nov. 12; Serial No. 495,309; published Aug. 13, 1946. Class 4.
Lee Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 425,325; Nov. 12; Serial No. 495,312; published Aug. 13, 1946. Class 4.
Liggett & Myers Tobacco Company, New York, N. Y. Smoking tobacco and cigarettes. 218,263; renewed Sept. 21, 1946. O. G. Nov. 12. Class 17.
Lizouri, Anthony J., Des Moines, Iowa. Game consisting of a punch board. 425,357; Nov. 12; Serial No. 502,703; published Aug. 27, 1946. Class 22.
Lockwood Trade Journal Company, Inc.: *See*—
Tobacco Trade Journal Co.
Lyons, J., & Company Limited, London, England. Coffee essence and coffee and chicory essence. 425,337; Nov. 12; Serial No. 495,898; published Aug. 27, 1946. Class 46.
MacGregor Men's Toiletries, Inc., New York, N. Y. Shaving cream. 425,234; Nov. 12; Serial No. 481,485; published Aug. 27, 1946. Class 4.
Mac's Super Gloss Co., Los Angeles, Calif. Wax for floors, furniture, and automobiles. 425,262; Nov. 12; Serial No. 491,103; published Aug. 6, 1946. Class 16.
Magne-Silica Company, Los Angeles, Calif., to Johns-Manville Corporation, New York, N. Y. Fireproof insulation. 55,930; re-renewed Aug. 21, 1946. O. G. Nov. 12. Class 12.
Maillard Corporation, The: *See*—
Maillard, Henry.
Maillard, Henry, to The Maillard Corporation, New York, N. Y. Bon-bons, chocolates, and sweet chocolate. 57,166; re-renewed Nov. 6, 1946. O. G. Nov. 12. Class 46.
Maillard, Henry, to The Maillard Corporation, New York, N. Y. Chocolates, sweet chocolates, and all forms of candy. 58,133; re-renewed Dec. 4, 1946. O. G. Nov. 12. Class 46.
Manufacturing Company of America, to Thos. D. Richardson Company, Philadelphia, Pa. Candy. 58,150; re-renewed Dec. 4, 1946. O. G. Nov. 12. Class 46.
Marcalus Manufacturing Co., Inc., East Paterson, N. J. Waxed paper, and doctor rolls. 425,272; Nov. 12; Serial No. 491,662; published Aug. 27, 1946. Class 37.
Massachusetts Cotton Mills, Lowell, to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 53,637; re-renewed June 5, 1946. O. G. Nov. 12. Class 42.
McCallum Hosiery Co., to Propper-McCallum Hosiery Co. Inc., Northampton, Mass. Hosiery. 221,129; renewed Nov. 23, 1946. O. G. Nov. 12. Class 39.
McCormick & Co., Incorporated, Baltimore, Md. Tea. 425,260; Nov. 12; Serial No. 490,843; published Aug. 27, 1946. Class 46.
McLaurin-Jones Co., Brookfield, Mass. Gummed paper tape. 221,768; renewed Dec. 7, 1946. O. G. Nov. 12. Class 37.
Mead Johnson & Company, Evansville, Ind. Edible product. 425,263; Nov. 12; Serial No. 491,422; published Apr. 23, 1946. Class 46.
Melton Hat Co.: *See*—
Friedman, H., Hat Co., Inc.
Mem Company, New York, N. Y. Soaps. 425,261; Nov. 12; Serial No. 491,039; published Aug. 20, 1946. Class 4.
Meyer, Ronald, doing business as The Ronald Meyer Popcorn Company, Carnarvon, Iowa. Jap hull-less pop corn. 220,543; renewed Nov. 9, 1946. O. G. Nov. 12. Class 46.
Meyer, Ronald, Popcorn Company, The: *See*—
Meyer, Ronald.
Michael-Leonard Co., Sioux City, Iowa. Cornseed. 425,298; Nov. 12; Serial No. 494,757; published Aug. 20, 1946. Class 1.
Midwest Dental Mfg. Co.: *See*—
Staunt, Martin.
Miles, Dr., Medical Company, to Miles Laboratories, Inc., Elkhart, Ind. Preparation for the treatment of headaches, colds, neuralgia, etc. 220,651; renewed Nov. 16, 1946. O. G. Nov. 12. Class 6.
Miles, Dr., Medical Company, to Ames Company, Inc., Elkhart, Ind. Preparation for the treatment of headaches, colds, neuralgia, etc. 220,761; renewed Nov. 16, 1946. O. G. Nov. 12. Class 6.
Miles Laboratories, Inc.: *See*—
Miles, Dr., Medical Company.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Self-adherent moisture-proof and oil-resistant, flexible composite wrapping sheet. 425,361; Nov. 12. Class 37.
Modern Engineering Company, to Modern Engineering Company, Inc., St. Louis, Mo. Gas welding, cutting, carbon-burning, and lead-burning torches, acetylene generators, and reducing valves or regulators. 221,149; renewed Nov. 23, 1946. O. G. Nov. 12. Class 34.
Modern Engineering Company, Inc.: *See*—
Modern Engineering Company.
Moore, Guy, and Associates: *See*—
Moore, Guy.
Moore, Guy, doing business as Guy Moore and Associates, Harlingen, Tex. Fresh vegetables. 425,228; Nov. 12; Serial No. 470,924; published Feb. 20, 1945. Class 46.
Morgan, W. T.: *See*—
Anderson, Charles L.
Mukamal Company, New York, N. Y. Cigarette papers. 425,276; Nov. 12; Serial No. 492,076; published Aug. 20, 1946. Class 8.
Mulholland, John H., Company, The, to The John H. Mulholland Company, Milford, Del. Wooden spoons. 221,324; renewed Nov. 30, 1946. O. G. Nov. 12. Class 23.
Multifax Enterprises, Limited, Toronto, Ontario, Canada. Detergent in powdered form. 425,280; Nov. 12; Serial No. 492,942; published Aug. 20, 1946. Class 4.
National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y. Certified food colors. 216,908; renewed Aug. 24, 1946. O. G. Nov. 12. Class 6.
National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y. Certified food colors. 216,910; renewed Aug. 24, 1946. O. G. Nov. 12. Class 6.
National Aniline & Chemical Company, Incorporated, to Allied Chemical & Dye Corporation, New York, N. Y. Coal tar product used principally for medicinal purposes. 221,023; renewed Nov. 23, 1946. O. G. Nov. 12. Class 6.
National Polish Company, The, Van Wert, Ohio. Polishing and cleaning preparations. 425,241; Nov. 12; Serial No. 485,881; published Aug. 13, 1946. Class 16.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham, Switzerland, to Nestlé's Milk Products, Inc., New York, N. Y. Sterilized milk and condensed milk. 59,907; re-renewed Jan. 22, 1947. O. G. Nov. 12. Class 46.
Nestlé's Milk Products, Inc.: *See*—
Nestlé & Anglo-Swiss Condensed Milk Co.
Newport Company, The, Carrolville, Wis., to E. I. du Pont de Nemours and Company, Wilmington, Del. Vat dyes. 218,259; renewed Sept. 21, 1946. O. G. Nov. 12. Class 6.
Nu-Products, Inc., Kansas City, Mo. Nursing bottle holders. 425,351; Nov. 12; Serial No. 501,402; published Aug. 27, 1946. Class 44.
Oakes & Company, doing business as Tru-Test, Chicago, Ill. Culinary utensils. 425,232; Nov. 12; Serial No. 480,609; published Aug. 27, 1946. Class 13.
Orchard Products Company, The: *See*—
Anderson, Charles L.
Oster, John, Manufacturing Company, Racine, Wis. Marcel iron heaters. 425,389; Nov. 12. Class 34.
Overholt, A., & Co., Inc.: *See*—
Renziehausen, Frederick C.
Pepperell Manufacturing Company: *See*—
Massachusetts Cotton Mills.
Perlman, Hy, & Co., New York, N. Y. Ladies' underwear. 425,273; Nov. 12; Serial No. 491,883; published Aug. 20, 1946. Class 39.
Pierce Laboratories, Inc., Raritan, assignor to Pierce Laboratory, Inc., Summit, N. J. Wiring sections and appurtenant parts thereof. 425,359; Nov. 12. Class 21.
Pierce Laboratory, Inc., assignee: *See*—
Pierce Laboratories, Inc.
Piezo Manufacturing Corporation, New York, N. Y. Smoking pipes, smoking pipe packers, tobacco humidors, etc. 425,282; Nov. 12; Serial No. 493,211; published Aug. 27, 1946. Class 8.
Plastic Center Co.: *See*—
Fritts, Donald E.
Powers X-Ray Products, Inc., Glen Cove, N. Y. Unexposed X-ray sensitive material. 425,395; Nov. 12. Class 26.
Prince, Jas. H., Paint Company, Boston, Mass. Mixed house paint. 221,172; renewed Nov. 23, 1946. O. G. Nov. 12. Class 16.

Propper-McCallum Hosiery Co. Inc.: *See*—
McCallum Hosiery Co.
Rap-I-Dol Co., Inc., Newark, N. J., to Rap-I-Dol Co., Inc., New Hyde Park, Long Island, N. Y. Color and dye removers for the hair. 219,613; renewed Oct. 19, 1946. O. G. Nov. 12. Class 6.
Rappaport, Morris, doing business as Rapp's Mfg. Co., Brooklyn, N. Y. Portable hand operated apparatus. 425,384; Nov. 12. Class 23.
Rapp's Mfg. Co.: *See*—
Rappaport, Morris.
Reed & Barton, Taunton, Mass. Cutlery. 221,378; renewed Nov. 30, 1946. O. G. Nov. 12. Class 23.
Renziehausen, Frederick G., Pittsburgh, to A. Overholt & Co., Inc., Broad Ford, Pa. Whiskey. 57,723; renewed Nov. 27, 1946. O. G. Nov. 12. Class 49.
Resin-Nu Chemical Co.: *See*—
Tatar, Frank J.
Reynolds International Pen Company, Chicago, Ill. Ink. 425,278; Nov. 12; Serial No. 492,397; published Aug. 6, 1946. Class 11.
Reynolds International Pen Company, Chicago, Ill. Fountain pens. 425,386; Nov. 12. Class 37.
Richardson, Thos. D. Company: *See*—
Manufacturing Company of America.
Ries, Jacob, Bottling Works, Inc., Shakopee, Minn. Non-alcoholic maltiess beverages. 216,153; renewed Aug. 3, 1946. O. G. Nov. 12. Class 45.
Riley, Stephen, Co.: *See*—
Riley, Stephen E.
Riley, Stephen E., doing business as Stephen Riley Co., Los Angeles, Calif. Detergent preparations for use in bathing. 425,248; Nov. 12; Serial No. 487,526; published Aug. 6, 1946. Class 4.
Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name Dan River Mills, Incorporated. Piece goods of cotton, rayon, wool, etc. 425,338; Nov. 12; Serial No. 495,906; published Aug. 27, 1946. Class 42.
Robertson, H. H., Company, Pittsburgh, Pa. Paints. 425,236; Nov. 12; Serial No. 483,148; published Aug. 6, 1946. Class 16.
Roettele, Carl A., doing business as Elsa Canning Company, Elsa, Tex. Canned tomatoes and canned tomato juice. 425,346; Nov. 12; Serial No. 499,013; published Aug. 20, 1946. Class 46.
Roettele, Carl A., doing business as Elsa Canning Company, Elsa, Tex. Canned tomatoes, canned tomato purée, canned grapefruit juice. 425,347; Nov. 12; Serial No. 499,014; published Aug. 20, 1946. Class 46.
Romain, Rose, doing business as Rose Romain Sales Co., Cleveland, Ohio. Cream adapted to be used for cleansing and beautifying the complexion. 425,398; Nov. 12. Class 6.
Romain, Rose, Sales Co.: *See*—
Romain, Rose.
Roper Bros. Inc., Winter Garden, Fla. Fresh citrus fruits. 425,345; Nov. 12; Serial No. 498,798; published Aug. 27, 1946. Class 46.
Roseth Corporation, Brooklyn, N. Y. Paper garment bags. 213,801–2; renewed June 8, 1946. O. G. Nov. 12. Class 2.
Roundup Grocery Company, Spokane, Wash. Canned goods. 221,150; renewed Nov. 23, 1946. O. G. Nov. 12. Class 46.
Russell-Newman Manufacturing Company, Denton, Tex. Women's and children's panties, vests, bloomers, etc. 425,336; Nov. 12; Serial No. 495,763; published Aug. 20, 1946. Class 39.
Savides, Savas P., Rockaway Beach, N. Y. Fried doughnuts. 425,375; Nov. 12. Class 46.
Schoenhofen Edelweiss Company: *See*—
Schoenhofen, Peter, Brewing Company, The.
Schoenhofen, Peter, Brewing Company, The, to Schoenhofen Edelweiss Company, Chicago, Ill. Lager-beer. 53,428; re-renewed June 5, 1946. O. G. Nov. 12. Class 48.
Schoenhofen, Peter, Brewing Company, The, to Schoenhofen Edelweiss Company, Chicago, Ill. Lager-beer. 53,893; re-renewed June 12, 1946. O. G. Nov. 12. Class 48.
Selby, Battersby & Co., Philadelphia, Pa. Floor wax. 425,286; Nov. 12; Serial No. 494,131; published Aug. 20, 1946. Class 16.
Sem-Pray Jo-Ve-Nay Company, Grand Rapids, Mich. Toilet preparation. 220,450; renewed Nov. 9, 1946. O. G. Nov. 12. Class 6.
Serolite Company, The, New York, N. Y. Pen desk sets and memorandum pad holders. 425,231; Nov. 12; Serial No. 478,691; published Aug. 20, 1946. Class 37.
Shaw, H. E., Company, Worcester, Mass. Candies. 425,253; Nov. 12; Serial No. 488,056; published Aug. 20, 1946. Class 46.
Shaw, H. E., Company, Worcester, Mass. Cigars, cigarettes, and smoking tobacco. 425,328; Nov. 12; Serial No. 495,427; published Aug. 20, 1946. Class 17.
Shoe Form Co., Inc., Auburn, N. Y. Shoe forms. 217,128; renewed Aug. 24, 1946. O. G. Nov. 12. Class 50.
Sicca Soya Paint Co., Inc., Peoria, Ill. Synthetic resin decorative paint coating composition. 425,388; Nov. 12. Class 16.
Snyder, Floyd, Cincinnati, Ohio, assignor to Floyd Snyder Pipes Inc., Milford, Ohio. Smoker's pipes. 425,287; Nov. 12; Serial No. 494,370; published Aug. 20, 1946. Class 8.
Snyder, Floyd, Pipes Inc.: *See*—
Snyder, Floyd.
Spalding, A. G., & Bros., New York, N. Y., to A. G. Spalding & Bros., Inc., Chicopee, Mass. Score books. 215,873; renewed July 27, 1946. O. G. Nov. 12. Class 37.
Spalding, A. G., & Bros., Inc.: *See*—
Spalding, A. G., & Bros.
Spence, Ralph A., doing business as Glass-Weave Mfg. & Supply Co., Salem, Oreg. Coarsely woven, filled textile fabric, for use as a glass substitute. 425,392–3; Nov. 12. Class 50.
Spiegel, Inc., Chicago, Ill. Wax. 425,259; Nov. 12; Serial No. 490,465; published Aug. 20, 1946. Class 16.
Standard Cap and Seal Corporation, Brooklyn, N. Y. Moistureproofed sheet material. 425,300; Nov. 12; Serial No. 494,944; published Aug. 27, 1946. Class 37.
Standard Laboratories: *See*—
Brown, Arnold W.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Dry-cleaning fluid. 218,776; renewed Oct. 5, 1946. O. G. Nov. 12. Class 4.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Lubricating oils. 219,365; renewed Oct. 19, 1946. O. G. Nov. 12. Class 15.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 220,646; renewed Nov. 16, 1946. O. G. Nov. 12. Class 15.
Stanley Works, The, New Britain, Conn. Hinges, butts, hangers, etc. 57,984; re-renewed Dec. 4, 1946. O. G. Nov. 12. Class 13.
Staunt, Martin, doing business as Midwest Dental Mfg. Co., Chicago, Ill. Dental handpieces. 425,374; Nov. 12. Class 44.
Steel Wire Products: *See*—
Arthur, Oscar F.
Super-Sensitive Musical String Co.: *See*—
Wackerle, Lewis E.
Swan-Finch Oil Corporation, New York, N. Y. Core oils and core binders. 425,344; Nov. 12; Serial No. 498,093; published Aug. 27, 1946. Class 5.
Swift & Company: *See*—
Armstrong Packing Company.
Swift & Company, Chicago, Ill. Oleaginous substances. 28,781; re-renewed Aug. 18, 1946. O. G. Nov. 12. Class 46.
Tatar, Frank J., doing business as Resin-Nu Chemical Co., Buffalo, N. Y. Liquid polish. 425,376; Nov. 12. Class 16.
Tildesley Coal Co., The, Cincinnati, Ohio. Coal. 220,108; renewed Nov. 2, 1946. O. G. Nov. 12. Class 1.
Tobacco Trade Journal Co., to Lockwood Trade Journal Company, Inc., New York, N. Y. Weekly magazine. 219,387; renewed Oct. 19, 1946. O. G. Nov. 12. Class 38.
Topliss, Norman, New York, N. Y. Window curtains. 425,244; Nov. 12; Serial No. 486,827; published Aug. 27, 1946. Class 42.
Tri-Art Co., Providence, R. I. Game utilizing a play board, spinner, tokens, etc. 425,284; Nov. 12; Serial No. 493,853; published Aug. 27, 1946. Class 22.
Tru-Test: *See*—
Oakes & Company.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. 425,358; Nov. 12; Serial No. 502,727; published Aug. 27, 1946. Class 2.
United Service Association: *See*—
Landon, Kirk A.
United States Gypsum Company, Chicago, Ill. Plastic wall coverings in the nature of paint. 425,315; Nov. 12; Serial No. 495,113; published Aug. 13, 1946. Class 16.
United States Soap Manufacturing: *See*—
Young, Charles W., & Co.
Universal Zonolite Insulation Co., Chicago, Ill. Exfoliated vermiculite for soil conditioning and plant germination. 425,279; Nov. 12; Serial No. 492,805; published Aug. 6, 1946. Class 10.
Utica Knitting Company, Utica, N. Y. Underwear. 425,274; Nov. 12; Serial No. 491,901; published Aug. 20, 1946. Class 39.
Valaki, George N., Brooklyn, N. Y. Antiseptic powder. 221,108; renewed Nov. 23, 1946. O. G. Nov. 12. Class 6.
Valley Dehydrating Co., Kingsburg, Calif. Concentrated hog feed. 425,342; Nov. 12; Serial No. 497,354; published Aug. 20, 1946. Class 46.
Visking Corporation, The, Chicago, Ill. Monofilaments made from polymeric vinylidene chloride and copolymers. 425,249; Nov. 12; Serial No. 487,534; published Aug. 20, 1946. Class 1.
W. & A. Manufacturing Co., Atlanta, Ga. Step-on garbage cans. 425,352; Nov. 12; Serial No. 501,547; published Aug. 27, 1946. Class 2.
Wackerle, Lewis E., doing business as Super-Sensitive Musical String Co., Chicago, Ill. Strings for musical instruments. 425,385; Nov. 12. Class 36.

Weber, C. B., & Co., Jersey City, N. J. Pipes. 425,362; Nov. 12. Class 8.
Weber, F., Co., Philadelphia, Pa. Colors whether in bottles, pans, tubes, etc. 221,182; renewed Nov. 23, 1946. O. G. Nov. 12. Class 16.
Wells Lamont Corporation: *See*—
Wells-Lamont Manufacturing Co.
Wells-Lamont Manufacturing Co., Minneapolis, Minn., to Wells Lamont Corporation, Chicago, Ill. Knitted and woven fabric gloves. 221,478; renewed Nov. 30, 1946. O. G. Nov. 12. Class 39.
Westinghouse Electric Corporation, Baltimore, Md. X-ray apparatus. 425,356; Nov. 12; Serial No. 502,674; published Aug. 27, 1946. Class 44.
White Sewing Machine Co., to White Sewing Machine Corporation, Cleveland, Ohio. Sewing-machines, sewing-machine covers, tables, and stands. 57,903; re-renewed Dec. 4, 1946. O. G. Nov. 12. Class 23.
White Sewing Machine Corporation: *See*—
White Sewing Machine Co.
Whiting, Geo. A., Paper Company, Menasha, Wis. Cover paper. 425,332; Nov. 12; Serial No. 495,643; published Aug. 27, 1946. Class 37.
Whitlock Cordage Company, New York, N. Y., to Whitlock Cordage Company, Jersey City, N. J., and New York, N. Y. Rope. 217,558; renewed Sept. 7, 1946. O. G. Nov. 12. Class 7.
Wilson Jones Company, Chicago, Ill. Loose leaf binders. 425,335; Nov. 12; Serial No. 495,713; published Aug. 27, 1946. Class 37.
Wilson's, William M., Sons, Inc., Lansdale, Pa. Gasoline self-measuring pumps. 425,316–17; Nov. 12; Serial Nos. 495,119–20; published Aug. 20, 1946. Class 26.
Winter Garden Citrus Products Cooperative, Winter Garden, Fla. Canned citrus juices and tomato juice. 425,254; Nov. 12; Serial No. 488,136; published Aug. 27, 1946. Class 46.
Woolsey, C. A., Paint & Color Co., Jersey City, N. J., to C. A. Woolsey Paint & Color Co. Inc., New York, N. Y. Lacquer paint and finishes. 221,257; renewed Nov. 23, 1946. O. G. Nov. 12. Class 16.
Woolsey, C. A., Paint & Color Co. Inc.: *See*—
Woolsey, C. A., Paint & Color Co.
Worthington Products Co., Inc., Arlington, Va. Preparation to prevent fog or mist upon glass surfaces. 425,256; Nov. 12; Serial No. 489,029; published Aug. 6, 1946. Class 4.
Wostenholm, George, and Son, Limited, Sheffield, England. Certain named cutlery. 53,722; re-renewed June 12, 1946. O. G. Nov. 12. Class 23.
Wyandotte Chemicals Corporation: *See*—
Ford, J. B., Company, The.
Young, Charles W., & Co., to G. B. Young, doing business as United States Soap Manufacturing, Philadelphia, Pa. Laundry soap. 57,258; re-renewed Nov. 6, 1946. O. G. Nov. 12. Class 4.
Young, Chas. W., & Co., to G. B. Young, doing business as United States Soap Manufacturing, Philadelphia, Pa. Laundry and powdered soap. 57,259; re-renewed Nov. 6, 1946. O. G. Nov. 12. Class 4.
Young, G. B.: *See*—
Young, Charles W., & Co.
Zarnitz Brothers Grocery Co., Wheeling, W. Va. Canned, bottled, and packaged fruits and vegetables. 57,619; re-renewed Nov. 13, 1946. O. G. Nov. 12. Class 46.
Zonite Products Corporation: *See*—
Forhan Company.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Carrs Fork Coal Company. 221,061; renewed Nov. 23, 1946. O. G. Nov. 12.
Coal. Comfort Coal-Lumber Co., Inc. 220,114; renewed Nov. 2, 1946. O. G. Nov. 12.
Coal. Tildesley Coal Co. 220,108; renewed Nov. 2, 1946. O. G. Nov. 12.
Coal, Lignite. Consolidated Coal & Coke Company. 56,786; re-renewed Oct. 16, 1946. O. G. Nov. 12.
Cornseed. Michael-Leonard Co. 425,298; Nov. 12; Serial No. 494,757; published Aug. 20, 1946.
Leather, Glazed kid. William Amer Company. 425,397; Nov. 12.
Monofilaments made from polymeric vinylidene chloride and copolymers. Visking Corporation. 425,249; Nov. 12; Serial No. 487,534; published Aug. 20, 1946.
Seeds, Field and garden. E. K. Hardison Seed Company. 425,382; Nov. 12.

CLASS 2

Bags, Paper. Union Bag & Paper Corporation. 425,358; Nov. 12; Serial No. 502,727; published Aug. 27, 1946.
Bags, Paper garment. Roseth Corporation. 213,801–2; renewed June 8, 1946. O. G. Nov. 12.
Cans, Step-on garbage. W. & A. Manufacturing Co. 425,352; Nov. 12; Serial No. 501,547; published Aug. 27, 1946.
Pallets, Steel wire. O. F. Arthur. 425,381; Nov. 12.

CLASS 4

Cleaner for metal. Johnson-March Corporation. 425,285; Nov. 12; Serial No. 494,075; published Aug. 20, 1946.
Cleaner, Metal. J. B. Ford Company. 215,106; renewed July 6, 1946. O. G. Nov. 12.
Cleaning and cleansing materials. J. B. Ford Company. 215,014; renewed July 6, 1946. O. G. Nov. 12.
Cleaning, cleansing, and detergent materials. J. B. Ford Company. 215,013; renewed July 6, 1946. O. G. Nov. 12.
Cream, Shaving. Consolidated Razor Blade Co. Inc. 425,377; Nov. 12.
Cream, Shaving. MacGregor Men's Toiletries, Inc. 425,234; Nov. 12; Serial No. 481,485; published Aug. 27.
Detergent in powdered form. Multifax Enterprises, Limited. 425,280; Nov. 12; Serial No. 492,942; published Aug. 20, 1946.
Detergent preparations for use in bathing. S. E. Riley. 425,248; Nov. 12; Serial No. 487,526; published Aug. 6, 1946.
Dressings or polishes. R. H. Foerderer. 29,188; re-renewed Nov. 17, 1946. O. G. Nov. 12.
Dry-cleaning fluid. Standard Oil Company. 218,776; renewed Oct. 5, 1946. O. G. Nov. 12.
Dry cleaning preparation. La France Dry Cleaners. 425,250; Nov. 12; Serial No. 487,681; published Aug. 13, 1946.
Polish, Shoe. Beau Brummel Polish Corp. 425,297; Nov. 12; Serial No. 494,649; published Aug. 13, 1946.
Preparation to prevent fog or mist upon glass surfaces. Worthington Products Co., Inc. 425,256; Nov. 12; Serial No. 489,029; published Aug. 6, 1946.
Shampoo material, Automotive and the like. J. I. Holcomb Mfg. Co. 425,321; Nov. 12; Serial No. 495,295; published Aug. 13, 1946.
Soap. A. W. Brown. 425,371; Nov. 12.
Soap and mechanics' cleanser. S. R. Bocchino. 425,235; Nov. 12; Serial No. 482,194; published Aug. 13, 1946.
Soap and washing and cleaning compound, Granulated. Blue Ribbon Products Company. 425,331; Nov. 12; Serial No. 495,534; published Aug. 20, 1946.
Soap, Laundry. Charles W. Young & Co. 57,258; re-renewed Nov. 6, 1946. O. G. Nov. 12.
Soap, Laundry and powdered. Chas. W. Young & Co. 57,259; re-renewed Nov. 6, 1946. O. G. Nov. 12.
Soaps. Mem Company. 425,261; Nov. 12; Serial No. 491,039; published Aug. 20, 1946.
Soaps, bath soaps and shaving creams, Face. Golden Arrow Toiletries. 425,319; Nov. 12; Serial No. 495,169; published Aug. 13, 1946.
Soaps, bath soaps, and shaving creams, Face. Golden Arrow Toiletries. 425,320; Nov. 12; Serial No. 495,287; published Aug. 13, 1946.
Soaps, bath soaps, and shaving creams, Face. Golden Arrow Toiletries. 425,326–7; Nov. 12; Serial Nos. 495,375–6; published Aug. 13, 1946.
Soaps, bath soaps, and shaving creams, Face. Golden Arrow Toiletries. 425,330; Nov. 12; Serial No. 495,468; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,304; Nov. 12; Serial No. 495,038; published Aug. 6, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,305; Nov. 12; Serial No. 495,042; published Aug. 6, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,306; Nov. 12; Serial No. 495,044; published Aug. 6, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,307; Nov. 12; Serial No. 495,049; published Aug. 6, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,308; Nov. 12; Serial No. 495,055; published Aug. 6, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,309; Nov. 12; Serial No. 495,057; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,310; Nov. 12; Serial No. 495,059; published Aug. 6, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,311; Nov. 12; Serial No. 495,066; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,312; Nov. 12; Serial No. 495,069; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,313; Nov. 12; Serial No. 495,076; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,314; Nov. 12; Serial No. 495,078; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,322; Nov. 12; Serial No. 495,300; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,323; Nov. 12; Serial No. 495,303; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,324; Nov. 12; Serial No. 495,309; published Aug. 13, 1946.
Soaps, Toilet. Les Parfums de Dana, Inc. 425,325; Nov. 12; Serial No. 495,312; published Aug. 13, 1946.
Tapes and emery fillets, Emery. Dronsfield Brothers Limited. 425,229; Nov. 12; Serial No. 474,399; published Aug. 27, 1946.
Washing powders. C. B. Keach. 425,318; Nov. 12; Serial No. 495,127; published Aug. 13, 1946.

CLASS 5

Core oils and core binders. Swan-Finch Oil Corporation. 425,344; Nov. 12; Serial No. 498,093; published Aug. 27, 1946.
Size, Wall. Keever Starch Company. 425,348; Nov. 12; Serial No. 499,415; published Aug. 27, 1946.

CLASS 6

Alkali, Modified, prepared, commercial, and special. J. B. Ford Company. 215,235; renewed July 13, 1946. O. G. Nov. 12.
Antiseptic powder. G. N. Valaki. 221,108; renewed Nov. 23, 1946. O. G. Nov. 12.
Chemicals for fire-extinguishing machines. W. E. Brosius. 221,691; renewed Dec. 7, 1946. O. G. Nov. 12.
Coal tar product used principally for medicinal purposes. National Aniline & Chemical Company, Incorporated. 221,023; renewed Nov. 23, 1946. O. G. Nov. 12.
Color and dye removers for the hair. Rap-I-Dol Co., Inc. 219,613; renewed Oct. 19, 1946. O. G. Nov. 12.
Colors, Certified food. National Aniline & Chemical Company, Incorporated. 216,908; renewed Aug. 24, 1946. O. G. Nov. 12.
Colors, Certified food. National Aniline & Chemical Company, Incorporated. 216,910; renewed Aug. 24, 1946. O. G. Nov. 12.
Cream adapted to be used for cleansing and beautifying the complexion. R. Romain. 425,398; Nov. 12.
Cream, Face. Frederick F. Ingram Company. 216,514; renewed Aug. 10, 1946. O. G. Nov. 12.
Dyes, Vat. Newport Company. 218,259; renewed Sept. 21, 1946. O. G. Nov. 12.
Headache remedy. General Drug Company. 220,852; renewed Nov. 16, 1946. O. G. Nov. 12.
Powder, Talcum. R. Hudnut's Pharmacy. 58,087; re-renewed Dec. 4, 1946. O. G. Nov. 12.
Preparation for the treatment of headaches, colds, neuralgia, etc. Dr. Miles Medical Company. 220,651; renewed Nov. 16, 1946. O. G. Nov. 12.
Preparation for the treatment of headaches, colds, neuralgia, etc. Dr. Miles Medical Company. 220,761; renewed Nov. 16, 1946. O. G. Nov. 12.
Preparations for cleaning radiators and motor cooling systems and drain pipes, etc. R. M. Hollingshead Co. 221,399; renewed Nov. 30, 1946. O. G. Nov. 12.
Soda ash, Commercial, prepared and modified. J. B. Ford Company. 215,015; renewed July 6, 1946. O. G. Nov. 12.
Toilet preparation. Sem-Pray Jo-Ve-Nay Company. 220,450; renewed Nov. 9, 1946. O. G. Nov. 12.
Toilet water and liquid perfume. R. Hudnut's Pharmacy. 58,048; re-renewed Dec. 4, 1946. O. G. No. 12.

CLASS 7

Rope. Whitlock Cordage Company. 217,558; renewed Sept. 7, 1946. O. G. Nov. 12.

CLASS 8

Cigarette papers. Mukamal Company. 425,276; Nov. 12; Serial No. 492,076; published Aug. 20, 1946.
Pipes. C. B. Weber & Co. 425,362; Nov. 12.
Pipes, Smoking. Art-Craft Briar Pipe Co. 425,264; Nov. 12; Serial No. 491,610; published Aug. 20, 1946.
Pipes, Smoking. Art-Craft Briar Pipe Co. 425,265–71; Nov. 12; Serial Nos. 491,613–19; published Aug. 20, 1946.
Pipes, smoking pipe packers, tobacco humidors, etc., Smoking. Piezo Manufacturing Corporation. 425,282; Nov. 12; Serial No. 493,211; published Aug. 27, 1946.
Pipes, Smokers'. F. Snyder. 425,287; Nov. 12; Serial No. 494,370; published Aug. 20, 1946.
Pouches, Tobacco. Erasmus Atlass Co. 425,340; Nov. 12; Serial No. 496,305; published Aug. 27, 1946.

CLASS 10

Exfoliated vermiculite for soil conditioning and plant germination. Universal Zonolite Insulation Co. 425,279; Nov. 12; Serial No. 492,805; published Aug. 6, 1946.
Fertilizers. Growers Service and Supply Company. 425,242; Nov. 12; Serial No. 480,617; published Aug. 20, 1946.

CLASS 11

Carbon paper. Hectograph. Ditto, Incorporated. 425,339; Nov. 12; Serial No. 495,958; published Aug. 27, 1946.
Ink. Reynolds International Pen Company. 425,278; Nov. 12; Serial No. 492,397; published Aug. 6, 1946.

CLASS 12

Brick, tile, wall ties, etc. Comfort Coal-Lumber Co. Inc. 221,275; renewed Nov. 23, 1946. O. G. Nov. 12.
Insulation, Fireproof. Magne-Silica Company. 55,930; re-renewed Aug. 21, 1946. O. G. Nov. 12.
Metal elements for buildings or other structures. Art Iron & Wire Works, Inc. 425,387; Nov. 12.

CLASS 13

Chains made of iron and steel. Carroll Chain Company. 220,824; renewed Nov. 16, 1946. O. G. Nov. 12.
Cookware, Cast aluminum. Advance Aluminum Castings Corp. 425,281; Nov. 12; Serial No. 492,981; published Aug. 27, 1946.
Founts connected with a water supply, Poultry. C. L. Kubista. 425,364; Nov. 12.
Hinges, butts, hangers, etc. Stanley Works. 57,984; re-renewed Dec. 4, 1946. O. G. Nov. 12.
Nuts, Lock. Easy Washing Machine Company Limited. 425,372; Nov. 12.
Utensils, Culinary. Oakes & Company. 425,232; Nov. 12; Serial No. 480,609; published Aug. 27, 1946.

CLASS 14

Ingots, ingot bars, wire bars, etc., Copper. Chile Exploration Company. 215,547; renewed July 20, 1946. O. G. Nov. 12.
Metals and their alloys, Unwrought, and partly wrought base. Follsain Metals Ltd. 425,230; Nov. 12; Serial No. 477,603; published Aug. 13, 1946.
Metals, Various. Cerro De Pasco Copper Corporation. 425,275; Nov. 12; Serial No. 492,033; published Aug. 13, 1946.
Steel. A. Finkl & Sons Company. 425,292–4; Nov. 12; Serial Nos. 494,487–9; published Aug. 13, 1946.
Steel castings. Empire Steel Castings, Inc. 425,283; Nov. 12; Serial No. 493,437; published Aug. 13, 1946.

CLASS 15

Candles. Standard Oil Company. 220,646; renewed Nov. 16, 1946. O. G. Nov. 12.
Oils, Lubricating. Standard Oil Company. 219,365; renewed Oct. 19, 1946. O. G. Nov. 12.

CLASS 16

Coating materials. Better Finishes and Coatings, Inc. 425,247; Nov. 12; Serial No. 487,456; published Aug. 27, 1946.
Colors whether in bottles, pans, tubes, etc. F. Weber Co. 221,182; renewed Nov. 23, 1946. O. G. Nov. 12.
Enamels, Pyrozylin. E. I. du Pont de Nemours and Company. 213,806; renewed June 8, 1946. O. G. Nov. 12.
Oil, Linseed. Spencer Kellogg and Sons, Inc. 425,239; Nov. 12; Serial No. 485,412; published Aug. 20, 1946.
Paint. Stephen B. King & Son Co. 425,277; Nov. 12; Serial No. 492,323; published Aug. 20, 1946.
Paint and finishes, Lacquer. C. A. Woolsey Paint & Color Co. 221,257; renewed Nov. 23, 1946. O. G. Nov. 12.
Paint coating composition, Synthetic resin decorative. Sicca Soya Paint Co., Inc. 425,388; Nov. 12.
Paint enamel. Hanna Paint Manufacturing Company. 221,230; renewed Nov. 23, 1946. O. G. Nov. 12.
Paint, Mixed house. Jas. H. Prince Paint Company. 221,172; renewed Nov. 23, 1946. O. G. Nov. 12.
Paint, Plastic wall coverings in the nature of. United States Gypsum Company. 425,315; Nov. 12; Serial No. 495,113; published Aug. 13, 1946.
Paint, Ready-mixed. Great Lakes Varnish Works, Inc. 425,243; Nov. 12; Serial No. 486,767; published Aug. 13, 1946.
Paint, Ready-mixed. Hillyard Chemical Company. 425,299; Nov. 12; Serial No. 494,843; published Aug. 6, 1946.
Paints. H. H. Robertson Company. 425,236; Nov. 12; Serial No. 483,148; published Aug. 6, 1946.
Paints, Ready-mixed. J. G. Hollin. 425,390; Nov. 12.
Polish, Liquid. F. J. Tatar. 425,376; Nov. 12.
Polishing and cleaning preparations. National Polish Company. 425,241; Nov. 12; Serial No. 485,881; published Aug. 13, 1946.
Wax. Speigel, Inc. 425,259; Nov. 12; Serial No. 490,465; published Aug. 20, 1946.
Wax, Floor. Selby, Battersby & Co. 425,286; Nov. 12; Serial No. 494,131; published Aug. 20, 1946.
Wax for floors, furniture, and automobiles. Mac's Super Glass Co. 425,262; Nov. 12; Serial No. 491,103; published Aug. 6, 1946.
Waxes, floor, furniture and automobile polishing waxes and furniture polishes, Self-polishing. Chemical Manufacturing & Distributing Company. 425,246; Nov. 12; Serial No. 487,354; published Aug. 6, 1946.
Whiting. East Asiatic Co. 221,181; renewed Nov. 23, 1946. O. G. Nov. 12.
Wood-filler. Bridgeport Wood Finishing Company. 28,336; re-renewed June 2, 1946. O. G. Nov. 12.

CLASS 17

Cigars. Consolidated Cigar Corporation. 425,252; Nov. 12: Serial No. 487,994; published Aug. 20, 1946.
Cigars, cigarettes, and smoking tobacco. H. E. Shaw Company. 425,328; Nov. 12; Serial No. 495,427; published Aug. 20, 1946.
Tobacco and cigarettes, Smoking. Liggett & Myers Tobacco Company. 218,263; renewed Sept. 21, 1946. O. G. Nov. 12.

CLASS 19

Automobiles. General Motors Corporation. 216,070; renewed Aug. 3, 1946. O. G. Nov. 12.
Wheels for motor-driven vehicles, Steering. Inland Manufacturing Company. 220,921; renewed Nov. 16, 1946. O. G. Nov. 12.

CLASS 21

Electrical appliances, Certain. Edison Electric Appliance Company. 216,635; renewed Aug. 17, 1946. O. G. Nov. 12.

Wiring sections and appurtenant parts thereof. Pierce Laboratories, Inc. 425,359; Nov. 12.

CLASS 22

Amusement apparatus, Coin controlled. Exhibit Supply Company. 425,355; Nov. 12; Serial No. 502,370; published Aug. 27, 1946.

Dolls. Hills, McLean & Haskins, Incorporated. 220,911; renewed Nov. 16, 1946. O. G. Nov. 12.

Fish bait, Artificial. F. Arbogast. 425,291; Nov. 12; Serial No. 494,479; published Aug. 27, 1946.

Game consisting of a punch board. A. J. Ligouri. 425,357; Nov. 12; Serial No. 502,703; published Aug. 27, 1946.

Game consisting of twelve bowls. R. W. Hemsch. 425,303; Nov. 12; Serial No. 494,970; published Aug. 27, 1946.

Game utilizing a play board, spinner, tokens, etc. Tri-Art Co. 425,284; Nov. 12; Serial No. 493,853; published Aug. 27, 1946.

Skates, Roller. Hiawatha Metal Products, Inc. 425,334; Nov. 12; Serial No. 495,672; published Aug. 27, 1946.

CLASS 23

Cutlery. Reed & Barton. 221,378; renewed Nov. 30, 1946. O. G. Nov. 12.

Cutlery, Certain named. George Wostenholm and Son, Limited. 53,722; re-renewed June 12, 1946. O. G. Nov. 12.

Drills, portable motor-driven pneumatic hammers, etc., Portable motor-driven pneumatic. Aurora Automatic Machinery Company. 57,742; re-renewed Nov. 27, 1946. O. G. Nov. 12.

Files. John Bedford & Sons Limited. 214,787; renewed July 6, 1946. O. G. Nov. 12.

Portable hand operated apparatus. M. Rappaport. 425,384; Nov. 12.

Sawmills. Alabama Machinery & Supply Company. 220,568; renewed Nov. 9, 1946. O. G. Nov. 12.

Sewing-machines, sewing-machine covers, tables, and stands. White Sewing Machine Co. 57,903; re-renewed Dec. 4, 1946. O. G. Nov. 12.

Spoons, Wooden. John H. Mulholland Company. 221,324; renewed Nov. 30, 1946. O. G. Nov. 12.

CLASS 25

Locks and deck locks, Door. Ferro Stamping & Manufacturing Company. 218,248; renweed Sept. 21, 1946. O. G. Nov. 12.

CLASS 26

Cameras, parts thereof and accessories thereof, Medico-surgical. Adel Precision Products Corp. 425,288; Nov. 12; Serial No. 494,418; published July 23, 1946.

Dials for scientific recording instruments and protective cover. D. E. Fritts. 425,367; Nov. 12.

Instrument and parts, Electro-mechanical. Electronic Mechanical Products Co. 425,251; Nov. 12; Serial No. 487,829; published Aug. 27, 1946.

Photographic film, Pre-exposed. J. R. Alburger. 425,380; Nov. 12.

Pumps, Gasoline self-measuring. William M. Wilson's Sons, Inc. 425,316–17; Nov. 12; Serial Nos. 495,119–20; published Aug. 20, 1946.

X-ray sensitive material, Unexposed. Powers X-Ray Products, Inc. 425,395; Nov. 12.

CLASS 29

Brushes. Forest Brush Works Limited. 214,884; renewed July 6, 1946. O. G. Nov. 12.

CLASS 30

Porcelain filters. Hill-Shaw Company. 425,369; Nov. 12.

CLASS 31

Refrigerators. Central Supply Company. 425,379; Nov. 12.

CLASS 32

Venetian blinds. F. R. Hendricks. 425,354; Nov. 12; Serial No. 502,293; published Aug. 27, 1946.

CLASS 33

Brewer filter made of glass, Coffee. Cory Glass Coffee Brewer Co. 425,394; Nov. 12.

Fruit-jars. Hazel-Atlas Glass Company. 54,846; re-renewed July 31, 1946. O. G. Nov. 12.

CLASS 34

Burners for oil-burning lamps and lanterns. R. E. Dietz Company. 57,763–5; re-renewed Nov. 27, 1946. O. G. Nov. 12.

Heaters, Marcel iron. John Oster Manufacturing Company. 425,389; Nov. 12.

Heaters, Wood burning. Columbus Iron Works Company. 425,391; Nov. 12.

Lamps and lanterns, Oil-burning. R. E. Dietz Company. 57,793–4; re-renewed Nov. 27, 1946. O. G. Nov. 12.

Lanterns, Tubular. R. E. Dietz Company. 57,759; re-renewed Nov. 27, 1946. O. G. Nov. 12.

Lighter, Pyrophoric cigar and cigarette. American Metal Products Company. 425,329; Nov. 12; Serial No. 495,433; published Aug. 27, 1946.

Lighters of the pyrophoric type, Cigarette. Helfern Co. Ltd. 425,396; Nov. 12.

Pumps, flow control valves, fittings, etc., Circulating. Bell & Gossett Company. 425,378; Nov. 12.

Radiator inclosures. Fulton Company. 216,194; renewed Aug. 3, 1946. O. G. Nov. 12.

Torches, acetylene generators, and reducing valves or regulators, Gas welding, cutting, carbon-burning, and lead-burning. Modern Engineering Company, Inc. 221,149; renewed Nov. 23, 1946. O. G. Nov. 12.

CLASS 35

Belts and garden hose, Power transmission. Gates Rubber Company. 425,290; Nov. 12; Serial No. 494,439; published Aug. 27, 1946.

Packing, rubber gaskets, rubber disks, etc., Rubber. A. B. Jenkins. 54,081; re-renewed June 19, 1946. O. G. Nov. 12.

Packing, rubber gaskets, rubber disks, etc., Rubber. A. B. Jenkins. 54,209; re-renewed June 19, 1946. O. G. Nov. 12.

CLASS 36

Phonographs or talking machines, parts, etc. Columbia Phonograph Company, Inc. 221,607; renewed Dec. 7, 1946. O. G. Nov. 12.

Strings for musical instruments. L. E. Wackerle. 425,385; Nov. 12.

CLASS 37

Binders, Loose leaf. Wilson Jones Compnay. 425,335; Nov. 12; Serial No. 495,713; published Aug. 27, 1946.

Books, Score. A. G. Spalding & Bros. 215,873; renewed July 27, 1946. O. G. Nov. 12.

Envelopes, Correspondence. Field-Ernst Envelope Co. 425,363; Nov. 12.

Paper, and doctor rolls, Waxed. Marcalus Manufacturing Co., Inc. 425,272; Nov. 12; Serial No. 491,662; published Aug. 27, 1946.

Paper, box cover paper, cover papers, etc., Blotting. District of Columbia Paper Mills, Inc. 425,383; Nov. 12.

Paper, Cover. Geo. A. Whiting Paper Company. 425,332; Nov. 12; Serial No. 495,643; published Aug. 27, 1946.

CLASS 37

Pen desk sets and memorandum pad holders. Serolite Company. 425,231; Nov. 12; Serial No. 478,691; published Aug. 20, 1946.

Pencils, mechanical lead pencils, and fountain pens, Wooden lead. American Lead Pencil Company. 425,333; Nov. 12; Serial No. 495,647; published Aug. 27, 1946.

Pens, Fountain. Distributors Research Corporation. 425,289; Nov. 12; Serial No. 494,429; published Aug. 27, 1946.

Pens, Fountain. Reynolds International Pen Company. 425,386; Nov. 12.

Sheet material, Moistureproofed. Standard Cap and Seal Corporation. 425,300; Nov. 12; Serial No. 494,944; published Aug. 27, 1946.

Stationery. J. M. Katz. 425,255; Nov. 12; Serial No. 488,817; published Aug. 27, 1946.

Tape, Gummed paper. McLaurin-Jones Co. 221,768; renewed Dec. 7, 1946. O. G. Nov. 12.

Wrapping sheet, Self-adherent moisture-proof and oil-resistant, flexible composite. Minnesota Mining & Manufacturing Company. 425,361; Nov. 12.

CLASS 38

Magazine, Weekly. Tobacco Trade Journal Co. 219,387; renewed Oct. 19, 1946. O. G. Nov. 12.

Periodical. Brown & Bigelow. 219,490; renewed Oct. 19, 1946. O. G. Nov. 12.

CLASS 39

Brassières and bandeaux. Even-Pul Foundations, Inc. 425,301–2; Nov. 12; Serial Nos. 494,963–4; published Aug. 20, 1946.

Caps, bathing caps, rain coats, etc., Shower. S. V. Boland 425,245; Nov. 12; Serial No. 487,306; published Aug. 27, 1946.

Dresses, Women's and children's. Best & Co. Inc. 217,606; renewed Sept. 7, 1946. O. G. Nov. 12.

Girdles and pantie girdles, Ladies'. Freeman Manufacturing Company. 425,295; Nov. 12; Serial No. 494,497; published Aug. 20, 1946.

Gloves, Knitted and woven fabric. Wells-Lamont Manufacturing Co. 221,478; renewed Nov. 30, 1946. O. G. Nov. 12.

Handkerchiefs. C. H. Fischbacher. 425,296; Nov. 12; Serial No. 494,599; published Aug. 20, 1946.

Hats, Men's. H. Friedman Hat Co., Inc. 216,995; renewed Aug. 24, 1946. O. G. Nov. 12.

Hosiery. McCallum Hosiery Co. 221,129; renewed Nov. 23, 1946. O. G. Nov. 12.

Panties, vests, bloomers, etc., Women's and children's. Russell-Newman Manufacturing Company. 425,336; Nov. 12; Serial No. 495,763; published Aug. 20, 1946.

Underwear. Utica Knitting Company. 425,274; Nov. 12; Serial No. 491,901; published Aug. 20, 1946.

Underwear, Ladies'. Hy Perlman & Co. 425,273; Nov. 12; Serial No. 491,883; published Aug. 20, 1946.

Underwear of textile fabric, Men's. Dixie Underwear Company Inc. 217,782; renewed Sept. 7, 1846. O. G. Nov. 12.

CLASS 42

Cotton piece goods. Massachusetts Cotton Mills. 53,637; re-renewed June 5, 1946. O. G. Nov. 12.

Curtains, Window. N. Topliss. 425,244; Nov. 12; Serial No. 486,827; published Aug. 27, 1946.

Fabrics and piece goods. Freedman-Roedelheim Company. 425,233; Nov. 12; Serial No. 480,950; published Aug. 27, 1946.

Fabrics of silk, rayon, cotton, etc., Washable, waterproof. Electro-Technical Products, Inc. 425,365–6; Nov. 12.

Piece goods of cotton, rayon, wool, etc. Riverside & Dan River Cotton Mills, Inc. 425,338; Nov. 12; Serial No. 495,906; published Aug. 27, 1946.

Tents, tarpaulins, and coverings, etc., Waterproofed. Fulton Bag & Cotton Mills. 218,459; renewed Sept. 28, 1946. O. G. Nov. 12.

CLASS 44

Dental handpieces. M. Staunt. 425,374; Nov. 12.

Holders, Nursing bottle. Nu-Products, Inc. 425,351; Nov. 12; Serial No. 501,402; published Aug. 27, 1946.

Sanitary napkins. Leadway Stores Corporation. 425,353; Nov. 12; Serial No. 501,992; published Aug. 27, 1946.

X-ray apparatus. Westinghouse Electric Corporation. 425,356; Nov. 12; Serial No. 502,674; published Aug. 27, 1946.

CLASS 45

Beverages, Non-alcoholic maltless. Jacob Ries Bottling Works, Inc. 216,153; renewed Aug. 3, 1946. O. G. Nov. 12.

CLASS 46

Bakery sweets goods. Interstate Bakeries Corporation. 425,360; Nov. 12.

Beef and eggs, Dried. G. H. Hammond Company. 221,385; renewed Nov. 30, 1946. O. G. Nov. 12.

Bon-bons, chocolates, and sweet chocolate. H. Maillard. 57,166; re-renewed Nov. 6, 1946. O. G. Nov. 12.

Candles. H. E. Shaw Company. 425,253; Nov. 12; Serial No. 488,056; published Aug. 20, 1946.

Candy. Manufacturing Company of America. 58,150; re-renewed Dec. 4, 1946. O. G. Nov. 12.

Canned, bottled, and packaged fruits and vegetables. Zarnitz Brothers Grocery Co. 57,619; re-renewed Nov. 13, 1946. O. G. Nov. 12.

Canned citrus juices and tomato juice. Winter Garden Citrus Products Cooperative. 425,254; Nov. 12; Serial No. 488,136; published Aug. 27, 1946.

Canned fruit juices. J. S. Brown, Jr. 425,240; Nov. 12; Serial No. 485,625; published Aug. 20, 1946.

Canned goods. Roundup Grocery Company. 221,150; renewed Nov. 23, 1946. O. G. Nov. 12.

Canned tomatoes and canned tomato juice. C. A. Roettele. 425,346; Nov. 12; Serial No. 499,013; published Aug. 20, 1946.

Canned tomatoes, canned tomato purée, canned grapefruit juice. C. A. Roettele. 425,347; Nov. 12; Serial No. 499,014; published Aug. 20, 1946.

Canned vegetables. Gibbs & Company, Incorporated. 425,258; Nov. 12; Serial No. 489,664; published Aug. 27, 1946.

Cereal foods. Best Foods, Inc. 425,350; Nov. 12; Serial No. 501,305; published Aug. 27, 1946.

Chocolates, sweet chocolate, and all forms of candy. H. Maillard. 58,133; re-renewed Dec. 4, 1946. O. G. Nov. 12.

Coffee essence and coffee and chicory essence. J. Lyons & Company Limited. 425,337; Nov. 12; Serial No. 495,898; published Aug. 27, 1946.

Coffee, Green. J. Aron & Company. 216,178; renewed Aug. 3, 1946. O. G. Nov. 12.

Confections. Forcherio Hermanos. 425,238; Nov. 12; Serial No. 484,564; published Aug. 20, 1946.

Doughnuts, Fried. S. P. Savides. 425,375; Nov. 12.

Edible product. Mead Johnson & Company. 425,263; Nov. 12; Serial No. 491,422; published Apr. 23, 1946.

Feed, Calf. Kasco Mills, Inc. 425,341; Nov. 12; Serial No. 497,247; published Aug. 27, 1946.

Feed, Concentrated hog. Valley Dehydrating Co. 425,342; Nov. 12; Serial No. 497,354; published Aug. 20, 1946.

Feed, Hog. J. P. Grimes. 217,029; renewed Aug. 24, 1946. O. G. Nov. 12.

Fish, Smoked. S. L. Blumert. 425,349; Nov. 12; Serial No. 500,940; published Aug. 20, 1946.

Fruits, Fresh citrous. C. D. Hubbard Fruit Co. 221,418; renewed Nov. 30, 1946. O. G. Nov. 12.

Fruits, Fresh citrus. Roper Bros. Inc. 425,345; Nov. 12; Serial No. 498,798; published Aug. 27, 1946.

Gum, Chewing. Forhan Company. 214,314; renewed June 22, 1946. O. G. Nov. 12.

Jelly, Apple. Max Ams, Inc. 425,227; Nov. 12; Serial No. 466,372; published Aug. 20, 1946.

Milk and condensed milk, Sterilized. Nestlé & Anglo-Swiss Condensed Milk Co. 59,907; re-renewed Jan. 22, 1947. O. G. Nov. 12.

Oleaginous substances. Swift & Company. 28,781; re-renewed Aug. 18, 1946. O G. Nov. 12.

Pickles, black pepper, French dressing, etc., Dill. Gray and Gray. 425,237; Nov. 12; Serial No. 483,854; published Aug. 27, 1946.

Pop corn, Jap hull-less. R. Meyer. 220,543; renewed Nov. 9, 1946. O. G. Nov. 12.

Shortening, Cottonseed-oil. Armstrong Packing Company. 221,360; renewed Nov. 30, 1946. O. G. Nov. 12.

Tea. McCormick & Co., Incorporated. 425,260; Nov. 12; Serial No. 490,843; published Aug. 27, 1946.

Tea (Ilex Paraguayensis), Paraguayan. C. M. Berndt. 425,343; Nov. 12; Serial No. 497,839; published Aug. 27, 1946.

Vegetables, Fresh. G. Moore. 425,228; Nov. 12; Serial No. 470,924; published Feb. 20, 1945.

Vegetables, frozen fresh fruits, Frozen fresh. Booth Fisheries Corporation. 425,257; Nov. 12; Serial No. 489,098; published Aug. 27, 1946.

Vegetables; fruits; melons; Fresh. S. J. Gallagher. 218,114; renewed Sept. 21, 1946. O. G. Nov. 12.

Vinegar, apple-butter, jellies, etc. C. L. Anderson. 57,690; re-renewed Nov. 27, 1946. O. G. Nov. 12.

CLASS 48

Lager-beer. Peter Schoenhofen Brewing Company. 53,428; re-renewed June 5, 1946. O. G. Nov. 12.

Lager-beer. Peter Schoenhofen Brewing Company. 53,893; re-renewed June 12, 1946. O. G. Nov. 12.

CLASS 49

Whiskey. F. C. Renziehausen. 57,723; re-renewed Nov. 27, 1946. O. G. Nov. 12.

CLASS 50

Artificial leather coated fabrics. Blackburn Products, Inc. 425,370; Nov. 12.

Display plates, Automobile. R. A. Landon. 425,367; Nov. 12.

Forms, Shoe. Shoe Form Co., Inc. 217,128; renewed Aug. 24, 1946. O. G. Nov. 12.

Hangers, Garment. H. Greenberg. 425,373; Nov. 12.

Tents, tarpaulins, and coverings, etc., Waterproofed. Fulton Bag & Cotton Mills. 218,459; renewed Sept. 28, 1946. O. G. Nov. 12.

Textile fabric for use as a glass substitute, Coarsely woven filled. R. A. Spence. 425,392–3; Nov. 12.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Phillips Petroleum Company, assignee: *See*—
Scarth, Virgil.
Scarth, Virgil, Bartlesville, Okla., assignor to Phillips Petroleum Company. Extractive distillation with furfural. Re. 22,811; Nov. 12.

LIST OF PLANT PATENTEES

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 715; Nov. 12.

Hill, Joseph H., Company, assignee: *See*—
Byrum, Roy L.

LIST OF DESIGN PATENTEES

Ajero, Fortunato S., Chicago, Ill. Desk unit or the like. 145,878; Nov. 12.
Baca, Hugo H.: *See*—
Neumann, Charles A., and Baca.
Bell Aircraft Corporation: *See*—
Sandstrom, Roy J.
Camp, Fred V., Stayton, Oreg. Fish lure. 145,879; Nov. 12.
Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Airplane. 145,880; Nov. 12.
Chernow, Michael, New York, N. Y. Bracelet or the like. 145,881; Nov. 12.
Cohn, Gustav, New York, N. Y. Slipper or similar article. 145,882; Nov. 12.
Colwell, Laurence, assignor to Revlon Products Corporation, New York, N. Y. Sandal or similar article. 145,883; Nov. 12.
Consiglio, Louis, Springfield, Mass. Boat. 145,884; Nov. 12.
Crollard, D. B.: *See*—
Fillson, Dan, and Crollard.
Fillson, Dan, and D. B. Crollard, Fairbanks, Alaska. Set of playing cards. 145,885; Nov. 12.
Ford Motor Company, assignee: *See*—
Wagner, Willys P., and Gregorie.
Fox, Cecil M., Toledo, Ohio, assignor to M. M. Mendelsohn, Chicago, Ill. Cigarette lighter. 145,886; Nov. 12.
Fox, Hazel V., Philadelphia, Pa. Brush and pan assembly or the like. 145,887; Nov. 12.
Freilich, Seymour, New York, N. Y. Blouse or similar article. 145,888; Nov. 12.
Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Demountable key guard for a saxophone. 145,889; Nov. 12.
Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Bell brace for a saxophone. 145,890; Nov. 12.
Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Saxophone. 145,891; Nov. 12.
Gillespie, Earl J., assignor to The Martin Band Instrument Company, Elkhart, Ind. Combined saxophone neck, mouth pipe fastening and mouthpiece key. 145,892; Nov. 12.
Graham, Virginia S., Beverly Hills, Calif. Hair waving device. 145,893; Nov. 12.
Gregorie, Eugene T.: *See*—
Wagner, Willys P., and Gregorie.
Grosvenor, Richard B., Piqua, Ohio. Infant's teething toy figure or similar article. 145,894; Nov. 12.
Grosvenor, Richard B., Piqua, Ohio. Infant's teething toy figure or similar article. 145,895; Nov. 12.
Grosvenor, Richard B., Piqua, Ohio. Infant's teething toy figure or similar article. 145,896; Nov. 12.
Hathaway, William R., West Haven, assignor to United Advertising Corporation, New Haven, Conn. Broiler or the like. 145,897; Nov. 12.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Carlson, Bert G.
Kartveli, Alexander, Huntington Station, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Airplane. 145,898; Nov. 12.
Kissling, Edmund D., New York, N. Y. Lamp stand or the like. 145,899; Nov. 12.
Le Verne, Vincent F., Long Beach, Calif. Book end. 145,900; Nov. 12.
Lloyd, Howard M., Los Angeles, Calif. Sandal or similar article. 145,901; Nov. 12.
Maxnavox Company, The, assignee: *See*—
Stone, Leland G.
Martin Band Instrument Company, The, assignee: *See*—
Gillespie, Earl J.
Mendelsohn, Milton M., assignee: *See*—
Fox, Cecil M.
Moloney, Raymond T., assignee: *See*—
Nicholson, Ralph A.
Monarch, Governor Company, assignee: *See*—
Sarnes, Lowell F.
Moore, Edward E., New York, N. Y. Picture frame. 145,902; Nov. 12.
Neumann, Charles A., and H. H. Baca, Corpus Christi, Tex. Airplane. 145,904; Nov. 12.
Neumann, Charles A., and H. H. Baca, Corpus Christi, Tex. Airplane. 145,905; Nov. 12.
Neumann, Charles L., and H. H. Baca, Corpus Christi, Tex. Airplane. 145,906; Nov. 12.
Neumann, Charles A., and H. A. Baca, Corpus Christi, Tex. Airplane. 145,907; Nov. 12.
Newman, Max M., New York, N. Y. Hair curler. 145,908; Nov. 12.
Nicholson, Ralph A., assignor to R. T. Moloney, Chicago, Ill. Cabinet for a beverage dispenser. 145,903; Nov. 12.
Republic Aviation Corporation, assignee: *See*—
Kartveli, Alexander.
Revlon Products Corporation, assignee: *See*—
Colwell, Laurence.
Sandstrom, Roy J., Buffalo, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Airplane. 145,909; Nov. 12.
Sarnes, Lowell F., Dearborn, assignor to Monarch Governor Company, Detroit, Mich. Side view mirror or similar article. 145,910; Nov. 12.
Smith, Lorraine M., Los Angeles, Calif. Covered bowl or similar article. 145,911; Nov. 12.
Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio speaker grille or similar article. 145,912; Nov. 12.
Swartzbaugh, Jason B., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric heater. 145,913; Nov. 12.
Swartzbaugh Manufacturing Company, The, assignee: *See*—
Swartzbaugh, Jason B.
United Advertising Corporation, assignee: *See*—
Hathaway, William R.
Vincelle, Dorothy, Oakland, Calif. Game board. 145,914; Nov. 12.
Wagner, Willys P., Franklin Village, and E. T. Gregorie, Grosse Ile Township, Oakland County, assignors to Ford Motor Company, Dearborn, Mich. Combination bumper guard and license plate holder. 145,915; Nov. 12.
Zabiak, Daniel M., Chicago, Ill. Airplane. 145,916; Nov. 12.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

ACF-Brill Motors Company, assignee: *See*—
Scott, Louis F.
Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Control means for tractor-connected implements. 2,410,918; Nov. 12.
Adel Precision Products Corp., assignee: *See*—
Eggert, Ronald E.
Kelly, John W.
Reisner, Joseph H.
Addressograph-Multigraph Corporation, assignee: *See*—
Gollwitzer, Walter T.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Ford, Tirey F.
Ahern, William B., De Kalb, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Apparatus for forming materials. 2,410,857; Nov. 12.
Aiken, Thomas McG., Pittsburgh, Pa. Photographic film holder. 2,410,919; Nov. 12.
Aldis, Arthur C. W., and J. West, Sparkhill, assignors to Aldis Brothers Limited, Birmingham, England. Inspecting gun barrels. 2,411,076; Nov. 12.
Aldis Brothers Limited, assignee: *See*—
Aldis, Arthur C. W., and West.
Alfreds, Torris H.: *See*—
Fields, Frank D., and Alfreds.
Alien Property Custodian: *See*—
Waselge, Charles R.
Allenbaugh, Edward F., Burbank, Calif. Collapsible baby buggy. 2,410,797; Nov. 12.
American Brake Shoe Company, assignee: *See*—
Blume, William A., and Conarton.
American Chain & Cable Company, Inc., assignee: *See*—
Kuhnl, Leopold.
American Cyanamid Company, assignee: *See*—
Hood, Robert L., and Berry.
American District Telegraph Company, assignee: *See*—
Evans, Francis C.
American Locomotive Company, assignee: *See*—
Kopp, Sigmund.
American Smelting and Refining Company, assignee: *See*—
Johnson, Walter F.
American Steel Foundries, assignee: *See*—
Tack, Carl E.
American Viscose Corporation, assignee: *See*—
Davidson, Hobart O.
Haley, Hugh D., and Schaffer.
Wallach, Roger N.
Ames Company, Inc., assignee: *See*—
Christner, Howard F., Lobley, and Miles.
Amsco Packaging Machinery Inc., assignee: *See*—
Messmer, Edwin E.
Andreopoulos, Theodore C., Buffalo, and P. J. Papadakos, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Spin chute installation. 2,411,077; Nov. 12.
Apfelbaum, Huna L., Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Inhaler. 2,410,798; Nov. 12.
Armour and Company, assignee: *See*—
Ralston, Anderson W., and Turinsky.
Atwood, Horace, Jr., Belleville, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Linear time base sweep generator. 2,410,920; Nov. 12.
Aubert, Fred B., Grosse Pointe, Mich. Electron tube circuit. 2,411,078; Nov. 12.
Audrieth, Ludwig F., Dover, N. J. Igniting composition. 2,410,801; Nov. 12.
Auger, Henry F., assignor of one-half to L. H. Peters, Medford, Mass. Combined envelope and writing sheet. 2,410,858; Nov. 12.
Automatic Electric Laboratories, Inc., assignee: *See*—
Burgener, Karl L.
Pye, Harold C.
Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Power transmission device. 2,410,921; Nov. 12.
Azzara, Santo, New York, assignor of fifty per cent to Andrew Geller Shoe Manufacturing Co., Inc., Brooklyn, N. Y. Cutting die with variable contour. 2,411,016; Nov. 12.
B. B. Chemical Co., assignee: *See*—
Harrington, Valentine F.
Bain, John C., West Orange, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Concentric conductor transmission line. 2,410,802; Nov. 12.
Baker, Corwin W., Stoneham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe sewing machine. 2,410,859; Nov. 12.

Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Frame member. 2,410,922; Nov. 12.
Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Method and apparatus for detecting flaws in rails. 2,410,803; Nov. 12.
Barsotti, Russell F., assignee, et al.: *See*—
De Michel, Frank.
Barsotti, Vincent J., assignee, et al.: *See*—
De Michel, Frank.
Bassett, Cyrus W., Long Branch, N. J., assignor to National Pneumatic Company, New York, N. Y. Moisture ejection device for air pressure systems. 2,410,799; Nov. 12.
Baule, Gerhard H. J., Salina, N. Y. Attaching sutures to shanks of surgeons' needles. 2,411,079; Nov. 12.
Baumann, Karl, Mere, Knutsford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Turbine. 2,410,804; Nov. 12.
Baumann, Karl, Mere, Knutsford, England, assignor to Metropolitan-Vickers Electrical Company, Limited, London, England. Internal-combustion turbine plant. 2,411,124; Nov. 12.
Baumgartner, Fred, Kansas City, Mo. Game device. 2,410,800; Nov. 12.
Beardsley, Charles S., assignor to Miles Laboratories, Inc., Elkhart, Ind. Dispensing container. 2,410,923; Nov. 12.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bain, John C.
Black, Robert, Jr.
Cory, Samuel I.
Lane, Clarence E.
Meacham, Larned A.
Ring, Douglas H.
Samuel, Arthur L.
Bell, Thomas J., Sarasota, Fla. Celery cutter. 2,410,860; Nov. 12.
Bell, Thomas J., near Sarasota, Fla. Celery harvesting apparatus. 2,410,861; Nov. 12.
Benander, George B., Oaklawn, R. I., assignor to Monowatt Electrical Corporation. Outlet box and ground strap provided with cable clamps. 2,411,017; Nov. 12.
Benander, George B., Oaklawn, R. I., assignor to Monowatt Electrical Corporation. Wiring device. 2,411,018; Nov. 12.
Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Eaton, Wilfred A.
Benjamin, Theodore R., assignor of one-half to E. J. Burger, San Bernardino, Calif. System of reproducing sound. 2,410,956; Nov. 12.
Berry, John W.: *See*—
Hood, Robert L., and Berry.
Bersworth, Frederick C., Verona, N. J. Forming carboxylic acid substituted amines. 2,411,019; Nov. 12.
Billman, Stig K. M., assignee: *See* —
Von Hortenau, Hans.
Bisesi, Joseph L.: *See*—
Roy, Nereus H., and Bisesi.
Black, Robert, Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration detector. 2,410,805; Nov. 12.
Black, Robert, Jr., South Orange, and F. F. Romanow, Berkeley Heights, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signal detector. 2,410,806; Nov. 12.
Blasutta, Victor V., assignor to The Denison Engineering Company, Columbus, Ohio. Fluid compressing apparatus. 2,411,020; Nov. 12.
Blume, W. A., Bloomfield Hills, Mich., and E. W. Conarton, Jersey City, N. J., assignors to American Brake Shoe Company, New York, N. Y. Friction element. 2,410,924; Nov. 12.
Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Steering joint assembly. 2,411,021; Nov. 12.
Borsheim, Hans T., Davenport, Iowa, assignor to J. I. Case Company, Racine, Wis. Seat construction. 2,411,125; Nov. 12.
Botnick, Maurice M., assignor to Silent Hoist & Crane Co., Brooklyn, N. Y. Retractable front carrier attachment for mobile cranes. 2,411,022; Nov. 12.
Bousquet, Euclid W., Wilmington, Del., and H. G. Guy, Penn Township, Allegheny County, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,410,862; Nov. 12.
Brennen, Ronald F., Valley Stream, assignor to General Die-Stamping-Tool Company, New York, N. Y. Co-ordinated-cam collet actuator. 2,410,807; Nov. 12.

Briones, Henry L., East Irvington, N. Y. Fly swatter. 2,410,957; Nov. 12.
Broadway, Leonard F., Ickenham, and C. S. Bull, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, England. Electron discharge device. 2,410,863; Nov. 12.
Brockhurst, James B., Red Bank, N. J. Engines operating coaxial shafts. 2,410,958; Nov. 12.
Brooks Bank Note Company, assignee: *See*—
Lambert, Russell A.
Brown, Harold, Denver, Colo. Drafting instrument. 2,410,864; Nov. 12.
Brown, Haughton, assignor of fifty-five per cent to D. Taylor, Jr., and forty-five per cent to V. Taylor, Milwaukee, Wis. Plaster compound. 2,410,865; Nov. 12.
Brown, Hugh S., Wauwatosa, Wis. Earth drill. 2,410,959; Nov. 12.
Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Load weighing device. 2,411,023; Nov. 12.
Bruun, Otto J., Stoke Poges, England. Producing collapsible tin coated metal tube containers. 2,411,024; Nov. 12.
Buckley, Charles W., Mount Vernon, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Range setting mechanism. 2,411,080; Nov. 12.
Bull, Cabot S.: *See*—
Broadway, Leonard F., and Bull.
Bunn, George P., Bartlesville, Okla., assignor to Phillips Petroleum Company. High temperature valve. 2,410,960; Nov. 12.
Burd Piston Ring Company, assignee: *See*—
Halling, Otto W.
Burgener, Karl L., Villa Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,410,866; Nov. 12.
Burger, Edward J., assignee: *See*—
Benjamin, Theodore R.
Burnham, Virgil A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Twister frame. 2,411,126; Nov. 12.
Burnham, Virgil A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spindle brake. 2,411,127; Nov. 12.
Burrell, George T., deceased, by Helen Haughton Burrell, administratrix, Huntington Station, N. Y., assignor to Republic Aviation Corporation. Camera operating control. 2,410,925; Nov. 12.
Burrell, Helen H., administratrix: *See*—
Burrell, George T.
Bush, William A., and E. A. Lasher, assignors to California Flaxseed Products Company, Los Angeles, Calif. Fatty oil desliming process. 2,410,926; Nov. 12.
California Flaxseed Products Company, assignee: *See*—
Bush, William A., and Lasher.
California Institute Research Foundation, assignee: *See*—
Yuan, Luke Chia-Liu, and Miller.
Callahan, Thomas L., and J. Weaver, Richmond, Ind., assignors to International Harvester Company. Bearing and seal construction. 2,410,927; Nov. 12.
Caloric Gas Stove Works, assignee: *See*—
Klein, Gustav.
Carlson, Elmer T., Wyoming, Ohio, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Bus bar system. 2,411,128; Nov. 12.
Carothers, Jean C., Sidney, Ohio. Freezing and carbonating device. 2,411,081; Nov. 12.
Carson, Charles E., Sharon, Mass. Electrical connector. 2,410,961; Nov. 12.
Case, J. I.: *See*—
Schroeppel, Paul R.
Case, J. I., Company, assignee: *See*—
Borsheim, Hans T.
Caterpillar Tractor Co., assignee: *See*—
Johnson, Lloyd E.
Celanese Corporation of America, assignee: *See*—
Croft, Cyril M., and Cramer.
Central Commercial Company, assignee: *See*—
Larsen, Merwin J., Schjonberg, and Oswald.
Cherba, Samuel: *See*—
Gronemeyer, Erich, and Cherba.
Christensen, Niels A., South Euclid, Ohio. Pump. 2,410,808; Nov. 12.
Christner, Howard F., Frederick A. Lobley, and C. F. Miles, assignors to Ames Company, Inc., Elkhart, Ind. Container. 2,410,928; Nov. 12.
Coghlan, Charles A., Beacon, assignor to The Texas Company, New York, N. Y. Solvent extraction of unsaturated hydrocarbon mixtures. 2,411,025; Nov. 12.
Coley, Silas B., assignee: *See*—
Reavis, Charles N.
Conarton, Edward W.: *See*—
Blume, William A., and Conarton.
Conner, William S., Long Beach, and C. B. Wilkie, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Firing range butt. 2,411,026; Nov. 12.
Consolidated Vultee Aircraft Corporation, assignee: *See*—
Sanz, Manuel.
Conti, Eugene, Jackson Heights, N. Y., assignor to Herz Manufacturing Corporation. Cup forming machine. 2,411,082; Nov. 12.
Contner, J. Burd, New York, N. Y. Film-feeding mechanism. 2,410,962; Nov. 12.
Cory, Samuel I., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal distortion measuring circuit. 2,410,809; Nov. 12.
Cramer, William J., Jr.: *See*—
Croft, Cyril M., and Cramer.
Crause, Stephen S., Cleveland, Ohio. Crank and lubricated means for driving the same. 2,410,929; Nov. 12.
Crepe de Chine, Inc.: *See*—
Hathorne, Berkeley L., and Seem.
Croft, Cyril M., and W. J. Cramer, Jr., Cumberland, Md., assignors to Celanese Corporation of America. Fabric treatment. 2,410,867; Nov. 12.
Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.
Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Diaphragm construction for turbines. 2,410,810; Nov. 12.
Crosby, Melvin A., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Dual intersecting wire tube belt. 2,411,027; Nov. 12.
Curtis, Sidney: *See*—
Rice, Edward A. B., Rose, and Curtis.
Curtiss-Wright Corporation, assignee: *See*—
Andreopoulos, Theodore C., and Papadakos.
Dam, Henry R.: *See*—
Lang, M., and Dam.
D'Aprile, Carmen, New York, N. Y., assignor to Panty-Zip, Inc. Garment. 2,411,129; Nov. 12.
Davidson, Hobart O., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Funnel guide mounting. 2,411,036; Nov. 12.
Davies, Aaron, and E. Smith, Baker, Oreg.; G. Davies, administratrix of said A. Davies, deceased. Saw handle. 2,411,028; Nov. 12.
Davies, Grace, administratrix: *See*—
Davies, Aaron, and Smith.
Davis, Orris L., and A. C. Nixon, Oakland, assignors to Shell Development Company, San Francisco, Calif. Treating hydrocarbons. 2,411,083; Nov. 12.
Dawson, Edward, assignor to Sperry Gyroscope Company, Inc., New York, N. Y. Articulated transmission. 2,410,811; Nov. 12.
Dayton Rubber Manufacturing Company, assignee: *See*—
Crosby, Melvin A.
De Chappedelaine, Jean O., Reading, Pa. Helicopter rotor mounting. 2,410,963; Nov. 12.
De Forest, Lee, Los Angeles, Calif. Altitude determination. 2,410,868; Nov. 12.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Subresinous polyesters. 2,411,029; Nov. 12.
De La Roza, Joaquin J., Sr., New York, N. Y. Digester unit. 2,410,964; Nov. 12.
De Michel, Frank, assignor of twenty-five per cent to W. J. Jacobsen, twelve and one-half per cent to R. F. Barsotti, and twelve and one-half per cent to V. J. Barsotti, Chicago, Ill. Support for abrasive disks. 2,410,812; Nov. 12.
De Mott, Armand, Fords, N. J. Lawn sprinkler. 2,410,930; Nov. 12.
Denison Engineering Company, The, assignee: *See*—
Blasutta, Victor V.
Dermers, Telesphore C., Lebanon, N. H. Page turning device for invalids. 2,411,084; Nov. 12.
De Ryder, Herbert, Bloomfield, N. J., assignor to Radio Corporation of America. Cathode-ray tube system. 2,411,030; Nov. 12.
Deyrup, Alden J., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of optical glass. 2,411,031; Nov. 12.
Dickinson, Paul, Company, assignee: *See*—
Knutson, Harold.
Dillon, Walter, U. S. Navy. Forming casings. 2,410,813; Nov. 12.
Dimick, Henry N., assignor to Willamette Hyster Company, Portland, Oreg. Load hoist and grappling control. 2,410,965; Nov. 12.
Doherty, Daniel, Los Angeles, Calif. Double belt sander. 2,411,085; Nov. 12.
Douglas Aircraft Company, Inc., assignee: *See*—
Conner, William S., and Wilkie.
D'Ouville, Edmond L.: *See*—
Lien, Arthur P., and d'Ouville.
Dow Chemical Company, assignee: *See*—
Peters, Adolph T.
Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Atwood, Horace, Jr.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bousquet, Euclid W., and Guy.
Deyrup, Alden J.
Harris, Charles R.
Signaigo, Frank K., and Peppel.
Du Pont, Hubert L.: *See*—
Rostler, Fritz S., Wilson, and du Pont.

Eastern Malleable Iron Company, The, assignee: *See*—
Hennicke, Carl R.
Eastman Kodak Company, assignee: *See*—
Knott, Edward B.
Eaton Manufacturing Company, assignee: *See*—
Findley, Howard J.
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Brake mechanism. 2,410,966; Nov. 12.
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,410,967; Nov. 12.
Eggert, Ronald E., Burbank, Calif., assignor to Adel Precision Products Corp. Sheet metal nut. 2,410,968; Nov. 12.
Egry Register Company, The, assignee: *See*—
Wyrick, Clayton E.
Eisler, Charles, South Orange, N. J. Tube cracking machine. 2,410,931; Nov. 12.
Electric & Musical Industries Limited, assignee: *See*—
Broadway, Leonard F., and Bull.
Electric Storage Battery Company, The, assignee: *See*—
Lighton, Lester E.
Electrical Engineering and Manufacturing Corporation, assignee: *See*—
Hoover, Vaino A.
Engelke, Ernest F., and W. W. Odell, El Dorado, Ark., assignors to Lion Oil Company. Lubricant. 2,411,032; Nov. 12.
Ernst, Walter, Mount Gilead, Ohio, assignor to the Hydraulic Development Corp., Inc., Wilmington, Del. Hydraulic system. 2,410,869; Nov. 12.
Evans, Francis C., Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Signaling system. 2,410,814; Nov. 12.
Evans, John, Kingston, N. J., assignor to Radio Corporation of America. Pulse signaling system. 2,411,130; Nov. 12.
Ex-Cell-O Corporation, assignee: *See*—
Oakley, Sterling A.
Falconer, Kenneth A., Auburn, Mass. Method and apparatus for applying asbestos to wire. 2,410,815; Nov. 12.
Farley, Brian, Coolabah, Yenda, New South Wales, Australia. Delving machine. 2,410,969; Nov. 12.
Farmer, Edward B., Newton, and E. L. Lawson, Allston, assignors to General Control Company, Boston, Mass. Electric switch. 2,411,086; Nov. 12.
Federal Cartridge Corporation, assignee: *See*—
King, William N., Romanchuk, and Ward.
Felt & Tarrant Manufacturing Company, assignee: *See*—
Laiho, Jalmer M.
Ferrel, Clyde B., San Francisco, Calif., assignor to Ferrel Industries, Inc., Reno, Nev. Bomb. 2,410,932; Nov. 12.
Ferrel Industries, Inc., assignee: *See*—
Ferrel, Clyde B.
Field, Albert, Dayton, Ohio. Abrasive tool. 2,410,870; Nov. 12.
Fields, Frank D., Elkhart, Ind., and T. H. Alfreds, Park Ridge, Ill., assignors to Posture Research Corporation, Elkhart, Ind. Spring back support. 2,410,871; Nov. 12.
Findley, Howard J., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Thermoelectric generator. 2,410,872; Nov. 12.
Finken, Walter S.: *See*—
Frieder, Leonard P., and Finken.
Fol-Dee Seat Company, assignee: *See*—
Neufeld, Leonard C.
Ford, Hannibal C., Great Neck, and E. P. Ross, Forest Hills, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Stable vertical. 2,411,087; Nov. 12.
Ford Instrument Company, Inc., assignee: *See*—
Buckley, Charles W.
Ford, Hannibal C., and Ross.
Ford, Tirey F., Arlington, Va., assignor to United States of America as represented by the Secretary of Agriculture. Process for the coagulation of castilloa latex. 2,411,033; Nov. 12.
Fox, Martin, Chicago, Ill., assignor to The Seng Company. Typewriter desk fixture. 2,411,088; Nov. 12.
Frantz, Howard E., Jr.: *See*—
Snell, William E., Frantz, and Hignutt.
Fredericks, George E., Bethayres, and J. Sivertsen, Philadelphia, assignors to George E. Fredericks Co., Bethayres, Pa. Electrolytic type of periodic circuit interrupter. 2,411,089; Nov. 12.
Fredericks, George E., Co., assignee: *See*—
Fredericks, George E., and Sivertsen.
Freeman, Lewis D., Richmond, Va. Cushioning device. 2,410,933; Nov. 12.
French, Ogle F., Wichita, Kans. Washing machine for window blinds. 2,410,934; Nov. 12.
Frieder, Leonard P., Rockville Centre, and W. S. Finken, Brooklyn, N. Y.; said Finken assignor to said Frieder. Mechanical release. 2,410,816; Nov. 12.
Galvin Manufacturing Corporation, assignee: *See*—
Holthouse, Harry B., Jr.
Garverich, Edwin S., Upper Darby, and W. L. Martin, Philadelphia, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Preparing a detergent composition. 2,411,090; Nov. 12.
Gayring, Wallace F., Minoa, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Ingredient dispensing mechanism for mixing tanks. 2,410,873; Nov. 12.
Geller, Andrew, Shoe Manufacturing Co., Inc., assignee: *See*—
Azzara, Santo.
General Control Company, assignee: *See*—
Farmer, Edward B., and Lawson.
General Die-Stamping-Tool Company, assignee: *See*—
Brennen, Ronald F.
General Electric Company, assignee: *See*—
Llimatainen, Toivo M.
Rich, Theodore A.
Savage, Robert H.
Silvester, Austin G.
Stimson, Allen G.
Wade, Elmer J.
Gibson Refrigerator Company, assignee, et al.: *See*—
Prultt, Harvey E.
Gilbert & Barker Manufacturing Company, assignee: *See*—
Logan, Joseph A.
Mesh, Theodore J.
Ginzton, Edward L., Wantagh, W. Palmer, West Hempstead, and F. A. Jenks, Rockville Centre, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Frequency control system. 2,410,817; Nov. 12.
Gleason Works, assignee: *See*—
Wildhaber, Ernest.
Gluyas, Thomas M., Jr., Collingswood, and L. J. Wolf, Audubon, N. J., assignors to Radio Corporation of America. Lobe switching antenna. 2,411,034; Nov. 12.
Golliwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,410,935; Nov. 12.
Goodrich, B. F., Company, The, assignee: *See*—
Slusher, Frank.
Gottesman, Herman: *See*—
Wolff, Barry S., and Gottesman.
Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Freewheeling clutch. 2,410,818; Nov. 12.
Greenberg, Henry, New York, and J. J. O'Connell, Jamaica, N. Y., assignors to Norwalk Lock Company, South Norwalk, Conn. Knockdown toy. 2,410,874; Nov. 12.
Griswold, Donald G., Alhambra, Calif. Pilot controlled pressure regulating means. 2,410,876; Nov. 12.
Gronemeyer, Erich, Pompton Plains, and S. Cherba, Totowa, N. J. Holding plastic hollow bodies. 2,410,936; Nov. 12.
Gulf Research Development Company, assignee: *See*—
Montgomery, Charles W.
Guy, Hubert G.: *See*—
Bousquet, Euclid W., and Guy.
Guyer, Jesse A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Oil desalting and/or dewatering. 2,410,970; Nov. 12.
H-P-M Development Corporation, assignee: *See*—
Tucker, Warren R.
Haley, Hugh D., Drexel Hill, and H. D. Schaffer, Boothwyn, Pa., assignors to American Viscose Corporation, Wilmington, Del. Funnel guide mounting. 2,411,035; Nov. 12.
Haling, Otto W., Rochester, Minn., assignor to Burd Piston Ring Company, Rockford, Ill. Ring boring machine. 2,410,819; Nov. 12.
Hall, John B., Wakefield, assignor of one-half to F. I. Hardy, Boston, Mass. Dimension gauge. 2,410,877; Nov. 12.
Hanson, Berger G., St. Charles, Ill. Windshield for motorcycles and the like. 2,411,131; Nov. 12.
Harder, Bernhard J., Delano, Calif. Fertilizer distributor. 2,410,937; Nov. 12.
Hardy, Frank I., assignee: *See*—
Hall, John B.
Harrington, Valentine F., Newton, assignor to B. B. Chemical Co., Boston, Mass. Temporarily covering articles. 2,410,878; Nov. 12.
Harris, Charles R., Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl cyanide. 2,410,820; Nov. 12.
Harris-Seybold Company, assignee: *See*—
Wood, James R.
Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Screw driver. 2,410,971; Nov. 12.
Hathorne, Berkeley L., Delray Beach, Fla., and R. W. Seem, U. S. Army, assignors to Crepe de Chine, Inc. Artificial yarn and producing the same. 2,411,132; Nov. 12.
Hegener, William, Sarasota, Fla. Animal cage. 2,410,879; Nov. 12.
Henderson, Bryan J., assignor of one-half to John G. Murdock & Company Limited, London, England. Selective signal receiving circuit. 2,411,091; Nov. 12.
Hennicke, Carl R., Cleveland, Ohio, assignor to The Eastern Malleable Iron Company, Naugatuck, Conn. Metal buckle. 2,410,880; Nov. 12.
Herz Manufacturing Corporation, assignee: *See*—
Conti, Eugene.
Hess, William F., Pawtucket, R. I. Lock ring. 2,411,037; Nov. 12.

Hetteen, Edgar E., Roseau, Minn. Power unit. 2,411,038; Nov. 12.
Heuser, Ralph V., Weaverville, N. C. Drying apparatus with air desiccating means and automatic regenerating means therefor. 2,411,039; Nov. 12.
Heywood Compressor Company Limited, The, assignee: *See*—
Morellion, Albert E., and Hunt.
Hickman, Clarence C., Lexington, Va. Broom holder. 2,410,972; Nov. 12.
Hignutt, Frank W.: *See*—
Snell, William E., Frantz, and Hignutt.
Hill, Edward H., San Antonio, Tex. Roller conveyer for vehicle bodies. 2,411,133; Nov. 12.
Hillman, Leon, New York, N. Y. Selective indicating system. 2,410,821; Nov. 12.
Hoffer, Max, assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Pyridine derivatives and the manufacture of same. 2,410,938; Nov. 12.
Hoffer, Max, assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Pyridine derivatives and the manufacture of same. 2,410,939; Nov. 12.
Hoffer, Max, Nutley, N. J., assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Pyridine derivatives and manufacture of same. 2,410,940; Nov. 12.
Hoffer, Max, assignor to Hoffmann-La Roche, Inc., Roche Park, Nutley, N. J. Pyridine derivative and the manufacture of same. 2,410,941; Nov. 12.
Hoffmann-La Roche, Inc., assignee: *See*—
Hoffer, Max.
Karrer, Paul.
Karrer, Walter.
Holman, William R., Vallejo, assignor to The Permanente Metals Corporation, Oakland, Calif. Optical thickness gauge. 2,410,942; Nov. 12.
Holt, Philetus H., II: *See*—
Meinert, Richard N., and Holt.
Holthouse, Harry B., Jr., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Liquid fuel preparing apparatus. 2,411,040; Nov. 12.
Hood, Robert L., Stamford, and J. W. Berry, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Photoelectric turbidimeter. 2,411,092; Nov. 12.
Hoover, Vaino A., assignor to Electrical Engineering and Manufacturing Corporation, Los Angeles, Calif. Cooling of driving motors of submersible pumps. 2,410,973; Nov. 12.
Huddle, Edwin F., Elmwood Park, Ill., assignor to International Harvester Company. Double feed ensilage blower. 2,410,943; Nov. 12.
Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator circuit. 2,410,974; Nov. 12.
Hull, Carl M.: *See*—
Thiele, Ernest W., Schmitkons, and Hull.
Hunt, Joseph A.: *See*—
Morellion, Albert E., and Hunt.
Hunter, Robert H., Cleveland, Ohio. Heating apparatus. 2,410,881; Nov. 12.
Husted, Clayton A.: *See*—
Landrum, Harvey B., and Husted.
Hutchinson, Job, Great Neck, N. Y., assignor to Morris Pouzzner, Boston, Mass. Display device. 2,410,975; Nov. 12.
Hydraulic Control Engineering Company, assignee: *See*—
Stephens, William T.
Hydraulic Development Corp., Inc., assignee: *See*—
Ernst, Walter.
Hyman, Henry, assignee: *See*—
Lang, M., and Dam.
Interchemical Corporation, assignee: *See*—
Wilson, Edwin A., and Newman.
International Harvester Company, assignee: *See*—
Acton, Russel D.
Avila, Frank W.
Callahan, Thomas L., and Weaver.
Huddle, Edwin F.
Messenger, Robert P., Johnson, and Schmied.
Welty, Albert B.
Ipatieff, Vladimir N.: *See*—
Linn, Carl B., and Ipatieff.
Isthmian Metals, Inc., assignee: *See*—
Whitney, Lyman F.
Jacobsen, Walter J., assignee, et al.: *See*—
De Michel, Frank.
Jameson, Ronald P., Christchurch, New Zealand. Fire detecting thermostat. 2,411,093; Nov. 12.
Jenks, Frederic A: *See*—
Ginzton, Edward L., Palmer, and Jenks.
Johns, Harry F., Kansas City, Mo., assignor to V. V. Johns. Oil well pump packing. 2,410,976; Nov. 12.
Johns, Velma V., assignee: *See*—
Johns, Harry F.
Johnson, Almon A., Forest Hills, N. Y. Winch for towing and the like. 2,411,094; Nov. 12.
Johnson, Arnold E. W.: *See*—
Messenger, Robert P., Johnson, and Schmied.
Johnson, Arnold E. W., Oak Park, and J. R. Orelind, Wilmette, Ill. Tractor jack. 2,410,945; Nov. 12.
Johnson, Lloyd E., Fon du Lac Township, Tazewell County, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Fuel injection mechanism. 2,410,946; Nov. 12.
Johnson, Lloyd E., Fon du Lac Township, Tazewell County, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Fuel injection pump mechanism. 2,410,947; Nov. 12.
Johnson, Walter F., Berkeley, Calif., assignor to American Smelting and Refining Company, New York, N. Y. System for sintering. 2,410,944; Nov. 12.
Joy Manufacturing Company, assignee: *See*—
Lambertson, Ralph E.
Kahn, Frank, Philadelphia, Pa. Relative humidity meter. 2,411,041; Nov. 12.
Karrer, Paul, Zurich, Switzerland, assignor to Hoffmann-La Roche, Inc., Nutley, N. J. Derivatives of 3,4-dihydroxy-thiophan and the manufacture of same. 2,410,948; Nov. 12.
Karrer, Walter, Riehen, near Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. Liquid pharmaceutical preparation. 2,410,949; Nov. 12.
Kebrich, Leonard M., Brooklyn, assignor to National Lead Company, New York, N. Y. Preparing normal lead salicylate. 2,410,977; Nov. 12.
Keevil, Henry W.: *See*—
Barnes, Walter C., and Keevil.
Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.
Kelly, John W., La Canada, Calif., assignor to Adel Precision Products Corp. Hydraulic system. 2,410,978; Nov. 12.
Kenyon, David E., Smithtown, N. Y., assignor to Sperry Gyroscope Company, Inc. High frequency electron discharge apparatus. 2,410,822; Nov. 12.
Keystone Manufacturing Co., The, assignee: *See*—
Wenk, Edward A.
King, William N., N. A. Romanchuk, and W. H. Ward, Anoka, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Machine for dewaxing and lacquering paper shotgun shell cartridges. 2,411,042; Nov. 12.
Kirton, Wilford W., Salt Lake City, Utah. Gantry. 2,410,979; Nov. 12.
Kiser, Archie E., assignee, et al.: *See*—
Kiser, Edward L.
Kiser, Edward L., St. Louis, Mo., assignor of one-fourth to H. L. Kiser, one-fourth to A. E. Kiser, and one-fourth to W. E. Kiser. Railway signal device. 2,411,095; Nov. 12.
Kiser, Howard L., assignee, et al.: *See*—
Kiser, Archie E.
Kiser, William E., assignee, et al.: *See*—
Kiser, Edward L.
Klassen, Edward J., Los Angeles, Calif. Thermopressure gluing press. 2,411,043; Nov. 12.
Klein, Gustav, Melrose Park, Pa., assignor to Caloric Gas Stove Works, Philadelphia, Pa. Door mounting for cooking stoves or the like. 2,410,980; Nov. 12.
Knight, George C., assignee, et al.: *See*—
Wilson, James E.
Knott, Edward B., Harrow, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic materials. 2,411,096; Nov. 12.
Knutson, Harold, assignor, by mesne assignments, to Paul Dickinson Company, Chicago, Ill. Ventilator. 2,410,950; Nov. 12.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Superregenerative receiver circuits. 2,410,981; Nov. 12.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Record reproduction circuit. 2,410,982; Nov. 12.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Discriminator-rectifier circuit. 2,410,983; Nov. 12.
Kopp, Sigmund, Glen Rock, N. J., assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,411,097; Nov. 12.
Koppen, Otto C., Newton, Mass. Spoiler control means for airplanes. 2,410,855; Nov. 12.
Koppen, Otto C., Wellesley, Mass. Airp[illegible] 410,856; Nov. 12.
Koppers Company, assignee: *See*—
Stewart, Hubert L.
Kuhnl, Leopold, Stratford, assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Key ring and the like. 2,410,951; Nov. 12.
Laiho, Jalmer M., Skokie, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 2,410,823; Nov. 12.
Lambert, Russell A., assignor to Brooks Bank Note Company, Springfield, Mass. Carton blank. 2,411,134; Nov. 12.
Lamberton, Ralph E., Michigan City, Ind., assignor to Joy Manufacturing Company. Pumping apparatus. 2,410,824; Nov. 12.
Landers, Alton D., and F. H. Lindsay, Brockton, Mass., assignors to Woodward & Wright Last Co., East Bridgewater, Mass. Lathe for turning lasts or the like. 2,411,135; Nov. 12.
Landrum, Harvey B., and C. A. Husted, Pampa, Tex., assignors to The Texas Company, New York, N. Y. Paraffin removal. 2,411,044; Nov. 12.
Lane, Clarence E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,410,825; Nov. 12.

Lang, Maurice, and H. R. Dam, New York, assignors to H. Hyman, Brooklyn, N. Y. Dry battery. 2,410,826; Nov. 12.

Langstroth, Hall, Greenwich, Conn., and F. C. Wallace, New York, N. Y., assignors to Sperry Gyroscope Company, Inc. Scanning device. 2,410,827; Nov. 12.

Lansden, Gail A., Woodburn, Oreg. Sure grip scythe handle. 2,410,882; Nov. 12.

Lapha, Charles W., Florham Park, N. J. Skip bar. 2,411,045; Nov. 12.

Larsen, Merwin J., C. S. Schjonberg, and J. A. Oswald, Houghton, Mich., assignors to Central Commercial Company, Chicago, Ill. Frequency generating system. 2,410,883; Nov. 12.

Lasher, Edward A.: *See*—
Bush, William A., and Lasher.

Lawless, Timothy E., Marcellus Falls, N. Y. Safety device. 2,410,984; Nov. 12.

Lawrence, Beardsley, Jr., assignor to Utility Fabrics Company, Inc., Huntington, W. Va. Composite fabric. 2,410,884; Nov. 12.

Lawson, Edwin L.: *See*—
Farmer, Edward B., and Lawson.

Leiss, Charles E., Meriden, Conn. Swingable closure fastener. 2,411,098; Nov. 12.

Lieber, Eugene, West New Brighton, N. Y., assignor to Standard Oil Development Company. Condensation products and preparing and using same. 2,410,885; Nov. 12.

Lien, Arthur P., Whiting, Ind., and E. L. d'Ouville, assignors to Standard Oil Company, Chicago, Ill. Aluminum chloride conversion system. 2,410,886; Nov. 12.

Lighton, Lester E., Glenside, Pa., assignor to The Electric Storage Battery Company. Heat transfer construction for electrolytic cells. 2,410,952; Nov. 12.

Llimatainen, Toivo M., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,411,046; Nov. 12.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse transmission system. 2,411,140; Nov. 12.

Lindsay, Fred H.: *See*—
Landers, Alton D., and Lindsay.

Line Material Company, assignee: *See*—
Nelson, Rolland D.

Linn, Carl B., Riverside, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatics. 2,411,047; Nov. 12.

Lion Oil Company, assignee: *See*—
Engelke, Ernest F., and Odell.

Lobley, Frederick A.: *See*—
Christner, Howard F., Lobley, and Miles.

Locke, Henry G., Jasper, Ala. Sawmill. 2,410,887; Nov. 12.

Lofstrand, Anders R., Jr., Silver Spring, Md. Chain saw sharpener. 2,410,828; Nov. 12.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pressure atomizing oil burner. 2,411,048; Nov. 12.

Long, Thomas A., Hammond, Ind. Can opener. 2,411,099; Nov. 12.

Luce, Stewart B., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Esterification reactions. 2,411,136; Nov. 12.

Lucy, Otto H., Los Angeles, Calif., assignor to Murray-Lucy-Marvosh Company, Pasadena, Calif. Method and apparatus for molding three-dimensional shapes from drawings. 2,410,888; Nov. 12.

Luten, Daniel B., Jr., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Stabilization of gasoline and of addition agents therefor. 2,410,829; Nov. 12.

Macdonald, Roderick A., Peaks Island, Maine. Closet light. 2,411,100; Nov. 12.

Madden, Leo J., Whitesboro, assignor to Skenandoa Rayon Corporation, Utica, N. Y. Funnel. 2,411,049; Nov. 12.

Mallory, P. R., & Co., Inc.: *See*—
Huetten, Clarence.

Malmquist, Oscar V., Minneapolis, Minn. Toaster. 2,410,985; Nov. 12.

Marine National Exchange Bank of Milwaukee, executor: *See*—
Merz, Otto H.

Marsh, Sidney C., Hohokus, assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid pressure media dispensing device. 2,410,830; Nov. 12.

Martin, William L.: *See*—
Garverich, Edwin S., and Martin.

Martines, Rene, Cranston, R. I. Tool. 2,410,889; Nov. 12.

Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Producing catalyst. 2,410,890; Nov. 12.

Maybarduk, Leon A., Forest Hills, W. W. Mieher, Mineola, S. J. Zand, Forest Hills, and G. E. White, Hempstead, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Scanning device. 2,410,831; Nov. 12.

McLean, William B., Washington, D. C., assignor to the Government of the United States of America, as represented by the Secretary of War. Snap-on propeller. 2,410,832; Nov. 12.

Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,410,833; Nov. 12.

Mechur, Berthold, New York, N. Y. Shoulder pad for garments. 2,410,986; Nov. 12.

Mehan, Thomas O., assignor to Victor Adding Machine Company, Chicago, Ill. Calculating machine. 2,411,050; Nov. 12.

Meinert, Richard N., Westfield, and P. H. Holt, II, Summit, N. J., assignors to Standard Oil Development Company. Improving naphtha. 2,410,891; Nov. 12.

Merz, Otto H., Wauwatosa, Wis., Marine National Exchange Bank of Milwaukee, executor of said O. H. Merz, deceased. Sliding door. 2,410,892; Nov. 12.

Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Control apparatus for alternating current. 2,411,051; Nov. 12.

Messmer, Edwin E., River Edge, N. J., assignor to Amsco Packaging Machinery, Inc., Long Island City, N. Y. Machine for sealing bags. 2,410,834; Nov. 12.

Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
Baumann, Karl.

Mevi, George G., New York, N. Y. Combination cigarette and card case. 2,410,987; Nov. 12.

Mevi, George G., New York, N. Y. Game board. 2,410,988; Nov. 12.

Mevi, George G., New York, N. Y. Picture holder. 2,410,989; Nov. 12.

Mieher, Walter W.: *See*—
Maybarduk, Leon A., Mieher, Zand, and White.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Alkyl ethers of vitamin D. 2,410,893; Nov. 12.

Miles, Charles F.: *See*—
Christner, Howard F., Lobley, and Miles.

Miles Laboratories, Inc., assignee: *See*—
Beardsley, Charles S.

Miller, Charles E.: *See*—
Yuan, Luke Chia-Liu.

Miller, Richard A., Milford, Va. Rat trap. 2,410,990; Nov. 12.

Millins, Terence W., Willesden Junction, assignor to Rotax Limited, London, England. Power transmission mechanism. 2,411,101; Nov. 12.

Monowatt Electrical Corporation, assignee: *See*—
Benander, George B.

Monsanto Chemical Company, assignee: *See*—
Luce, Stewart B.

Montague, Homer R., Washington, D. C. Transcribing device. 2,410,835; Nov. 12.

Montgomery, Charles W., Aspinwall, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Isomerization of normal butane to isobutane. 2,410,894; Nov. 12.

Morabito, Joseph A., Chelsea, Mass. Cloth guide for sewing machines. 2,411,102; Nov. 12.

Morcillon, Albert E., and J. A. Hunt, assignors to The Heywood Compressor Company Limited, Redditch, England. Priming of internal-combustion engines. 2,411,103; Nov. 12.

Müller, Enrique, Chihuahua, Mexico. Hypodermic injection applying device. 2,410,991; Nov. 12.

Murdock, John G., & Company Limited, assignee: *See*—
Henderson, Bryan J.

Murray-Lucy-Marvosh Company, assignee: *See*—
Lucy, Otto H.

Myklestad, Nils O., Pasadena, Calif. Floating shock absorber. 2,410,992; Nov. 12.

Nampa, George L., Royal Oak, assignor to M. E. Nampa, Detroit, Mich. Piston. 2,410,895; Nov. 12.

Nampa, Mathew E., assignee: *See*—
Nampa, George L.

National Lead Company, assignee: *See*—
Kebrich, Leonard M.

National Pneumatic Company, assignee: *See*—
Bassett, Cyrus W.

Neale, Dory J., Topeka, Kans. Clamp for platform pulley blocks. 2,410,836; Nov. 12.

Nelson, Reuben A., Sligo Park Hills, and W. O. Smith, Silver Spring, Md. Support for filament assemblies. 2,410,993; Nov. 12.

Nelson, Rolland D., Hales Corners, assignor to Line Material Company, South Milwaukee, Wis. Three phase transformers. 2,411,104; Nov. 12.

Neufeld, Leonard C., assignor to Fol-Dee Seat Company, Des Moines, Iowa. Child's toilet seat. 2,411,137; Nov. 12.

Newman, William D.: *See*—
Wilson, Edwin A., and Newman.

Nixon, Alan C.: *See*—
Davis, Orris L., and Nixon.

Nixon, Alan C., Oakland, and D. L. Yabroff, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Treating hydrocarbons. 2,411,105; Nov. 12.

Nordstrom, Carl E., Evanston, assignor to Teletype Corporation, Chicago, Ill. Metal cutting tool. 2,410,896; Nov. 12.

Norwalk Lock Company, assignee: *See*—
Greenberg, Henry, and O'Connell.

Oakley, Sterling A., Lincolnwood, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation. Grinding apparatus. 2,411,052; Nov. 12.

O'Brien, William J., Syracuse, N. Y. Water heater. 2,410,994; Nov. 12.

O'Connell, John J.: *See*—
Greenberg, Henry, and O'Connell.

Odell, William W.: *See*—
Engelke, Ernest F., and Odell.

Olson, Raymond G., Jr., Chevy Chase, Md. Sheet metal lock nut. 2,410,995; Nov. 12.

Orelind, John R.: *See*—
Johnson, Arlond E. W., and Orelind.

Ornsteen, Miriam L., New Rochelle, N. Y. Money holders. 2,411,053; Nov. 12.

Osenberg, Erwin C., Dekalb, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Accordion treble shift mechanism. 2,410,897; Nov. 12.

Oswald, James A.: *See*—
Larsen, Merwin J., Schjonberg, and Oswald.

Otis Elevator Company, assignee: *See*—
Burns, William H.

Palmer, Winslow: *See*—
Ginzton, Edward L., Palmer, and Jenks.

Panty-Zip, Inc., assignee: *See*—
D'Aprile, Carmen.

Papadakos, Peter J.: *See*—
Andreopoulos, Theodore C., and Papadakos.

Parker Appliance Company, The, assignee: *See*—
Hartley, Emmett C.

Patterson, Roy I., Golden Valley, Minn. Grain unloading and loading mechanism. 2,410,996; Nov. 12.

Payne, Grady L.: *See*—
Petry, Theodor A., and Payne.

Pennsylvania Salt Manufacturing Company, assignee: *See*—
Garverich, Edwin S., and Martin.

Peppel, William J.: *See*—
Signaigo, Frank K., and Peppel.

Permanente Cement Company, assignee: *See*—
Sharp, James W.

Permanente Metals Corporation, The, assignee: *See*—
Holman, William R.

Pesin, Daniel, Wilde, Argentina. Socket for fluorescent lamps. 2,410,997; Nov. 12.

Peters, Adolph T., assignor to The Dow Chemical Company, Midland, Mich. Cast ingot. 2,410,837; Nov. 12.

Peters, Lewis H., assignee: *See*—
Anger, Henry F.

Petrolite Corporation, Ltd., assignee: *See*—
De Groot, Melvin, and Keiser.

Petry, Theodor A., Wenonah, and G. L. Payne, Clarksboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Separation of styrene from ethyl benzene by azeotropic distillation. 2,411,106; Nov. 12.

Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,411,054; Nov. 12.

Phillips Petroleum Company, assignee: *See*—
Bunn, George P.
Guyer, Jesse A.

Pierini, Attilio, Springfield Gardens, N. Y. Treating fur. 2,410,898; Nov. 12.

Pitt, Hubert L., Bromley, England. Aircraft control surface. 2,411,107; Nov. 12.

Posture Research Corporation, assignee: *See*—
Fields, Frank D., and Alfreds.

Pouzzner, Morris, assignee: *See*—
Hutchinson, Job.

Powers, Frank T., Glen Cove, N. Y. Developing colloid resists with substantive dyes. 2,411,108; Nov. 12.

Powers, Frank T., Glen Cove, N. Y. Etching rotogravure printing members. 2,411,109; Nov. 12.

Prosperity Company, Inc., The, assignee: *See*—
Gayring, Wallace F.

Pruitt, Harvey E., assignor of one-twentieth to Gibson Refrigerator Company, Greenville, Mich., and nineteen-twentieths to E. M. Rice, Hanna, Ind. Metalworking machine. 2,411,110; Nov. 12.

Pye, Harold C., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Microphone handle. 2,410,899; Nov. 12.

Radbill, Raymond B., Moylan, Pa. Mobile steam generator. 2,410,900; Nov. 12.

Radio Corporation of America, assignee: *See*—
De Ryder, Herbert.
Evans, John.
Gluyas, Thomas M., Jr., and Wolf.
Koch, Winfield R.
Lindenblad, Nils E.
Sands, William F.
Schade, Otto H.
Sinnett, Chester M.

Ralston, Anderson W., Chicago, and O. Turinsky, Palatine, assignors to Armour and Company, Chicago, Ill. Treatment of polyene compounds. 2,411,111; Nov. 12.

Ralston, Anderson W., Chicago, and O. Turinsky, Palatine, assignors to Armour and Company, Chicago, Ill. Treatment of Polyene compounds. 2,411,112; Nov. 12.

Ralson, Anderson W., Chicago, and O. Turinsky, Palatine, assignors to Armour and Company, Chicago, Ill. Treatment of polyene compounds. 2,411,113; Nov. 12.

Ramsey, Jesse J., Cairo, Ill. Vial opening device. 2,410,901; Nov. 12.

Reavis, Charles N., assignor of two-thirds to S. B. Coley, Raleigh, N. C. Electric speed control and motor protector. 2,410,998; Nov. 12.

Reisner, Joseph H., Hagerstown, Md., assignor to Adel Precision Products Corp. Bulkhead conduit support and seal. 2,410,999; Nov. 12.

Republic Aviation Corporation, assignee: *See*—
Burrell, George T.

Research Corporation, assignee: *See*—
Milas, Nicholas A.

Rice, Edward A. B., Newton Abbot, and A. G. Rose and S. Curtis, Gainsborough, said Rose and said Curtis assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Gun mounting. 2,411,114; Nov. 12.

Rice, Emery M., assignee, et al.: *See*—
Pruitt, Harvey E.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Magnetic clutch. 2,411,055; Nov. 12.

Ricketts, Joseph L., Frankfort, Ind. Grain housing wagon body. 2,411,056; Nov. 12.

Rifkin, Jacob, Wilkes-Barre, Pa. Seal lock. 2,411,115; Nov. 12.

Ring, Douglas H., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupling system. 2,410,838; Nov. 12.

Robbins, James S., Highland Park, Ill. Hose coupling. 2,411,057; Nov. 12.

Roberts, Eugene, Hastings, N. Y., assignor to The Western States Machine Company, Hamilton, Ohio. Centrifugal mixer apparatus. 2,411,138; Nov. 12.

Roberts, John W., Oklahoma City, Okla. Vehicle wheel carrier. 2,410,902; Nov. 12.

Rockwell, Albert M., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Liquid type vibration damper. 2,411,000; Nov. 12.

Rockwell, John C., Mobile, Ala. Collapsible tube closure. 2,411,058; Nov. 12.

Rockwell Manufacturing Company, assignee: *See*—
Whittaker, Alexander R.

Rogge, Marion A., Detroit, Mich. Heated nasal inhaler. 2,410,903; Nov. 12.

Romanchuk, Nicholas A.: *See*—
King, William N., Ward, and Romanchuk.

Romanow, Frank F.: *See*—
Black, Robert, Jr., and Romanow.

Rose Brothers (Gainsborough) Limited, assignee: *See*—
Rice, Edward A. B., Rose, and Curtis.

Ross, Elliott P.: *See*—
Ford, Hannibal C., and Ross.

Rostler, Fritz S., V. M. Wilson, and H. I. du Pont, assignors to Wilmington Chemical Corporation, Wilmington, Del. Production of unsaturated hydrocarbon products. 2,410,839; Nov. 12.

Rotax Limited, assignee: *See*—
Millins, Terence W.

Rothkranz, William C., Bronx, N. Y. Dental precision bridge device. 2,411,001; Nov. 12.

Roy, Nereus H., Glenbrook, Conn., and J. L. Bisesi, Floral Park, N. Y., assignors to The Budd Company, Philadelphia, Pa. Strain measuring and load controlling apparatus. 2,411,139; Nov. 12.

Rubenstein, Charles, Kansas City, Mo. Work hold-down device. 2,411,059; Nov. 12.

Rudenberg, Reinhold, Belmont, Mass. Damper system for synchronous generators. 2,411,002; Nov. 12.

Saco-Lowell Shops, assignee: *See*—
Burnham, Virgil A.

Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron beam modulator. 2,410,840; Nov. 12.

Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuning arrangement. 2,410,841; Nov. 12.

Sands, William F., Haddonfield, N. J., assignor to Radio Corporation of America. Locked-in oscillator circuit. 2,411,003; Nov. 12.

Sanial, Arthur J., Flushing, N. Y. Sound amplifying apparatus. 2,411,004; Nov. 12.

Sanz, Manuel, Los Angeles, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Self-healing container forming material. 2,411,116; Nov. 12.

Savage, Robert H., Scotia, N. Y., assignor to General Electric Company. Contact element. 2,411,060; Nov. 12.

Saxon, Warren T., Cedar Rapids, Iowa. Tractor. 2,411,061; Nov. 12.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Blocking impulse generator. 2,411,062; Nov. 12.

Schaffer, Hiram D.: *See*—
Haley, Hugh D., and Schaffer.

Scherbatskoy, Serge A., Tulsa, Okla., assignor to Seismic Engineering Company, Dallas, Tex. Seismometer. 2,411,117; Nov. 12.

Schjonberg, Carl S.: *See*—
Larsen, Merwin J., Houghton, and Schjonberg.

Schmied, William F.: *See*—
Messenger, Robert P., Johnson, and Schmied.

Schmitkons, George E.: *See*—
Thiele, Ernest W., Schmitkons, and Hull.

Scholz, Louis A., Dayton, Ohio. Automatic turret for aerial cameras. 2,410,842; Nov. 12.

Schroeppel, Paul R., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Windrower. 2,410,904; Nov. 12.

Schulze, Reinhard, Baltimore, Md. Escapement action for grand pianos. 2,411,005; Nov. 12.

Schuster, Carl J., Milwaukee, Wis. Needle threading device. 2,411,118; Nov. 18.

Scott, Louis F., Philadelphia, Pa., assignor to ACF-Brill Motors Company, New York, N. Y. Adjustable back seat. 2,411,063; Nov. 12.

Seem, Robert W.: *See*—
Hathorne, Berkeley L., and Seem.

Segal, Louis, New York, N. Y. Knockdown toy. 2,410,875; Nov. 12.

Seismic Engineering Company, assignee: *See*—
Scherbatskoy, Serge A.

Seng Company, The, assignee: *See*—
Fox, Martin.

Shand, Edwin W., Munster, Ind., assignor to Sinclair Refining Company, New York, N. Y. 2-chloroalkylimide chlorides. 2,411,064; Nov. 12.

Sharp, James W., Los Altos, assignor to Permanente Cement Company, Oakland, Calif. Silica modified cement. 2,410,954; Nov. 12.

Sharp, Renwick J., Guatemala, Guatemala. Steam kettle. 2,411,006; Nov. 12.

Shaw, Douglas T., Montreal, Quebec, Canada. Fastening conductors to insulators. 2,411,007; Nov. 12.

Shell Development Company, assignee: *See*—
Davis, Orris L., and Nixon.
Luten, Daniel B., Jr.
Nixon, Alan C., and Yabroff.
Walters, Ernest L.

Shepherd, James E., Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc. Phase sensitive apparatus. 2,410,843; Nov. 12.

Signaigo, Frank K., and W. J. Peppel, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal plating process. 2,410,844; Nov. 12.

Silent Hoist & Crane Co., assignee: *See*—
Botnick, Maurice M.

Silvester, Austin G., Muroc, Calif., assignor to General Electric Company. Speed governing mechanism. 2,411,065; Nov. 12.

Sinclair Refining Company, assignee: *See*—
Shand, Edwin W.

Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Transducer system. 2,411,008; Nov. 12.

Sivertsen, Jens: *See*—
Fredericks, George E., and Sivertsen.

Skenandoa Rayon Corporation, assignee: *See*—
Madden, Leo J.

Slimp, William L., Los Angeles, Calif. Trailer coupler. 2,411,009; Nov. 12.

Slusher, Frank, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for slitting endless bands. 2,410,905; Nov. 12.

Smith, Delos G., assignee, et al.: *See*—
Wilson, James E.

Smith, Elmer: *See*—
Davies, Aaron, and Smith.

Smith, Warren M.: *See*—
Wasson, Jones I.

Smith, William O.: *See*—
Nelson, Reuban A., and Smith.

Snell, William E., Vineland, and H. E. Frantz, Jr., and F. A. Hignutt, Millville, N. J.; said Frantz, Jr., and said Hignutt assignors to said Snell. Token. 2,410,845; Nov. 12.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Petry, Theodor A., and Payne.

Specialties Development Corporation, assignee: *See*—
Grant, Harry C.
Marsh, Sidney C.

Sperry Gyroscope Company, Inc., assignee: *See*—
Dawson, Edward.
Ginzton, Edward L., Palmer, and Jenks.
Kenyon, David E.
Langstroth, Hall, and Wallace.
Maybarduk, Leon A., Mieher, Zand, and White.
Shepherd, James E.

Standard Oil Company, assignee: *See*—
Lien, Arthur P., and d'Ouville.
Thiele, Ernest W., Schmitkons, and Hull.

Standard Oil Development Company, assignee: *See*—
Lieber, Eugene.
Mason, Ralph B.
Meinert, Richard N., and Holt.
Wasson, Jones I., and Smith.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Steering mechanism. 2,411,119; Nov. 12.

Stevens, Leslie, Glen Ridge, N. J. Manufacture of deposited paper products. 2,411,066; Nov. 12.

Stewart, Hubert L., Edgewood, assignor to Koppers Company, Pittsburgh, Pa. Recovering pyridine bases. 2,410,906; Nov. 12.

Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Electrical measuring instrument. 2,411,010; Nov. 12.

Stowell, Lyman C., Oaklawn, R. I. Tenter chain link. 2,410,907; Nov. 12.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,411,067; Nov. 12.

Taylor, Daniel, Jr., assignee, et al.: *See*—
Brown, Haughton.

Taylor, Viola, assignee, et al.: *See*—
Brown, Haughton.

Teletype Corporation, assignee: *See*—
Nordstrom, Carl E.

Texas Company, The, assignee: *See*—
Coghlan, Charles A.
Landrum, Harvey B., and Husted.
Pevere, Ernest F.
Winkelmann, Samuel A., and Wright.

Thiele, Ernest W., G. E. Schmitkons, and C. M. Hull, assignors to Standard Oil Company, Chicago, Ill. Isoforming. 2,410,908; Nov. 12.

Thompson Products, Inc., assignee: *See*—
Booth, James H.

Torgerson, Joseph L., Milwaukee, Wis. Grinding machine for shaping workpieces. 2,410,955; Nov. 12.

Troiel, Arthur E., Berkeley, Calif. Grouting. 2,411,011; Nov. 12.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Carlson, Elmer T.

Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Upward acting molding press. 2,410,909; Nov. 12.

Turinsky, Otto: *See*—
Ralston, Anderson W., and Turinsky.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin receiver for weft replenishing looms. 2,411,068; Nov. 12.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Flexible bobbin receiver and support therefor. 2,411,069; Nov. 12.

United Aircraft Corporation, assignee: *See*—
Cronstedt, Val.
Rockwell, Albert M.

United Shoe Machinery Corporation, assignee: *See*—
Baker, Corwin W.
Willmott, Herbert J.

United States Gypsum Company, assignee: *See*—
Balduf, Bruno E.

United States Instrument Corporation, assignee: *See*—
Warnke, Herbert R.

Universal Oil Products Company, assignee: *See*—
Linn, Carl B., and Ipatieff.

Utility Fabrics Company, Inc., assignee: *See*—
Lawrence, Beardsley, Jr.

Van Karner, Joseph W., New York, N. Y. Smoke-producing composition. 2,411,070; Nov. 12.

Victor Adding Machine Company, assignee: *See*—
Mehan, Thomas O.

Victor Metal Products Corporation, assignee: *See*—
Apfelbaum, Huna L.

Von Hortenau, Hans, assignor to Stig K. M. Billman, Stockholm, Sweden. Temperature measuring device. 2,411,120; Nov. 12.

Wade, Elmer J., Pittsfield, Mass., assignor to General Electric Company. Locating equipment. 2,411,071; Nov. 12.

Wait, Bertrand H., New Rochelle, N. Y. Material for providing traction. 2,410,910; Nov. 12.

Wallace, Fred C.: *See*—
Langstroth, Hall, and Wallace.

Wallach, Roger N., Briarcliff Manor, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Container closure. 2,411,012; Nov. 12.

Walters, Ernest L., assignor to Shell Development Company, San Francisco, Calif. Gasoline. 2,410,846; Nov. 12.

Walters, Ernest L., East Alton, Ill., assignor to Shell Development Company, San Francisco, Calif. Stabilization of gasoline and of addition agents therefor. 2,410,847; Nov. 12.

Waltke, Edwin H., Los Angeles, Calif. Multiple barrel machine gun. 2,410,848; Nov. 12.

War, United States of America, as represented by the Secretary of, assignee: *See*—
McLean, William B.

Ward, Wilbert H.: *See*—
King, William N., Romanchuk, and Ward.

Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Rotary selector switch. 2,411,013; Nov. 12.

Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Terminal block. 2,411,014; Nov. 12.

Waseige, Charles R., Rueil, France; vested in the Alien Property Custodian. Multidrive gear box. 2,410,849; Nov. 12.

Washburn, Selden G., Goodwin, S. Dak. Automatic implement lift for plows. 2,411,072; Nov. 12.

Wasserman, Rene D., New York, N. Y. Protective covering for welding rods. 2,410,850; Nov. 12.

Wasson, Jones I., Union, N. J., and W. M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing a lubricating oil solution of a condensed organic amino compound. 2,410,911; Nov. 12.

Weaver, Jay: *See*—
Callahan, Thomas L., and Weaver.

Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Grain dehydrator. 2,410,851; Nov. 12.

Wenk, Edward A., New York, assignor to The Keystone Manufacturing Co., Buffalo, N. Y. Heat exchanger. 2,410,912; Nov. 12.

West, John: *See*—
Aldis, Arthur C. W., and West.

Western States Machine Company, assignee: *See*—
Roberts, Eugene.

White, Gifford E.: *See*—
Maybarduk, Leon A., Mieher, Zand, and White.

Whitney, Lyman F., Cambridge, assignor to Isthmian Metals, Inc., Boston, Mass. Making products of iron or iron alloys. 2,411,073; Nov. 12.

Whittaker, Alexander R., New York, N. Y., assignor to Rockwell Manufacturing Company. Fluid meter. 2,410,852; Nov. 12.

Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and tool for producing face clutches. 2,410,913; Nov. 12.

Wilkie, Charles B.: *See*—
Conner, William S., and Wilkie.

Willamette Hyster Company, assignee: *See*—
Dimick, Henry N.

Williams, Hoke S., St. Petersburg, Fla. Ornament for ears. 2,410,914; Nov. 12.

Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Reversible and variable speed mechanism. 2,410,915; Nov. 12.

Wilmington Chemical Corporation, assignee: *See*—
Rostler, Fritz S., Wilson, and du Pont.

Wilson, Edwin A., Rutherford, and W. D. Newman, Elizabeth, N. J., assignors to Interchemical Corporation, New York, N. Y. Producing zinc yellow. 2,410,916; Nov. 12.

Wilson, James E., assignor of one-fourth to G. C. Knight, Detroit, Mich., and one-fourth to D. G. Smith. Metal framed wood container. 2,411,121; Nov. 12.

Wilson, Vilma M.: *See*—
Rostler, Fritz S., Wilson, and du Pont.

Winkelmann, Samuel A., West Columbia, Tex., and J. C. Wright, Abbeville, La., assignors to The Texas Company, New York, N. Y. Scale-peptizing composition. 2,411,074; Nov. 12.

Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, as trustee. Electrical coupling control apparatus. 2,411,122; Nov. 12.

Winther, Martin P., assignee, trustee: *See*—
Winther, Anthony.

Wolf, Lester J.: *See*—
Gluyas, Thomas M., Jr., and Wolf.

Wolff, Barry S., Millington, and H. Gottesman, Park Ridge, N. J. Receptacle for waste disposal. 2,411,015; Nov. 12.

Wood, James R., Cleveland, Ohio, assignor to Harris-Seybold Company. Gripper mechanism. 2,411,123; Nov. 12.

Wood, William, Jr., Vancouver, British Columbia, Canada. Shoe protector. 2,410,853; Nov. 12.

Woodward & Wright Last Co., assignee: *See*—
Landers, Alton D., and Lindsay.

Wright, John C.: *See*—
Winkelmann, Samuel A., and Wright.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Ahern, William B.
Osenberg, Erwin C.

Wyrick, Clayton E., Miami, Fla., assignor to The Egry Register Company, Dayton, Ohio. Web-feeding device. 2,411,075; Nov. 12.

Yabroff, David L.: *See*—
Nixon, Alan C., and Yabroff.

Yuan, Luke Chia-Liu, Pasadena, and C. E. Miller, Glendale, assignors to California Institute Research Foundation, Pasadena, Calif. Short wave direction finder. 2,410,917; Nov. 12.

Zand, Stephen J.: *See*—
Maybarduk, Leon A., Mieher, Zand, and White.

Zulkoski, Bruno P., Weirton, W. Va. Device for raising toilet seats. 2,410,854; Nov. 12.

Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Rotary selector switch. 2,411,013; Nov. 12.
Warnke, Herbert R., assignor to United States Instrument Corporation, East Orange, N. J. Terminal block. 2,411,014; Nov. 12.
Waseige, Charles R., Ruell, France; vested in the Alien Property Custodian. Multidrive gear box. 2,410,849; Nov. 12.
Washburn, Selden G., Goodwin, S. Dak. Automatic implement lift for plows. 2,411,072; Nov. 12.
Wasserman, Rene D., New York, N. Y. Protective covering for welding rods. 2,410,850; Nov. 12.
Wasson, Jones I., Union, N. J., and W. M. Smith, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing a lubricating oil solution of a condensed organic amino compound. 2,410,911; Nov. 12.
Weaver, Jay: *See*—
Callahan, Thomas L., and Weaver.
Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Grain dehydrator. 2,410,851; Nov. 12.
Wenk, Edward A., New York, assignor to The Keystone Manufacturing Co., Buffalo, N. Y. Heat exchanger. 2,410,912; Nov. 12.
West, John: *See*—
Aldis, Arthur C. W., and West.
Western States Machine Company, assignee: *See*—
Roberts, Eugene.
White, Gifford E.: *See*—
Maybarduk, Leon A., Mieher, Zand, and White.
Whitney, Lyman F., Cambridge, assignor to Isthmian Metals, Inc., Boston, Mass. Making products of iron or iron alloys. 2,411,073; Nov. 12.
Whittaker, Alexander R., New York, N. Y., assignor to Rockwell Manufacturing Company. Fluid meter. 2,410,852; Nov. 12.
Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and tool for producing face clutches. 2,410,913; Nov. 12.
Wilkie, Charles B.: *See*—
Conner, William S., and Wilkie.
Willamette Hyster Company, assignee: *See*—
Dimick, Henry N.
Williams, Hoke S., St. Petersburg, Fla. Ornament for ears. 2,410,914; Nov. 12.
Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Reversible and variable speed mechanism. 2,410,915; Nov. 12.
Wilmington Chemical Corporation, assignee: *See*—
Rostler, Fritz S., Wilson, and du Pont.
Wilson, Edwin A., Rutherford, and W. D. Newman, Elizabeth, N. J., assignors to Interchemical Corporation, New York, N. Y. Producing zinc yellow. 2,410,916; Nov. 12.
Wilson, James E., assignor of one-fourth to G. C. Knight, Detroit, Mich., and one-fourth to D. G. Smith. Metal framed wood container. 2,411,121; Nov. 12.
Wilson, Vilma M.: *See*—
Rostler, Fritz S., Wilson, and du Pont.
Winkelmann, Samuel A., West Columbia, Tex., and J. C. Wright, Abbeville, La., assignors to The Texas Company, New York, N. Y. Scale-peptizing composition. 2,411,074; Nov. 12.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, as trustee. Electrical coupling control apparatus. 2,411,122; Nov. 12.
Winther, Martin P., assignee, trustee: *See*—
Winther, Anthony.
Wolf, Lester J.: *See*—
Gluyas, Thomas M., Jr., and Wolf.
Wolff, Barry S., Millington, and H. Gottesman, Park Ridge, N. J. Receptacle for waste disposal. 2,411,015; Nov. 12.
Wood, James R., Cleveland, Ohio, assignor to Harris-Seybold Company. Gripper mechanism. 2,411,123; Nov. 12.
Wood, William, Jr., Vancouver, British Columbia, Canada. Shoe protector. 2,410,853; Nov. 12.
Woodward & Wright Last Co., assignee: *See*—
Landers, Alton D., and Lindsay.
Wright, John C.: *See*—
Winkelmann, Samuel A., and Wright.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Ahern, William B.
Osenberg, Erwin C.
Wyrick, Clayton E., Miami, Fla., assignor to The Egry Register Company, Dayton, Ohio. Web-feeding device. 2,411,075; Nov. 12.
Yabroff, David L.: *See*—
Nixon, Alan C., and Yabroff.
Yuan, Luke Chia-Liu, Pasadena, and C. E. Miller, Glendale, assignors to California Institute Research Foundation, Pasadena, Calif. Short wave direction finder. 2,410,917; Nov. 12.
Zand, Stephen J.: *See*—
Maybarduk, Leon A., Mieher, Zand, and White.
Zulkoski, Bruno P., Weirton, W. Va. Device for raising toilet seats. 2,410,854; Nov. 12.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive tool. A. Field. 2,410,870; Nov. 12.
Accordion treble shift mechanism. E. C. Osemberg. 2,410,897; Nov. 12.
Action for grand pianos, Escapement. R. Schulze. 2,411,005; Nov. 12.
Adjustable back seat. L. F. Scott. 2,411,063; Nov. 12.
Aircraft control surface. H. L. Pitt. 2,411,107; Nov. 12.
Airplane. O. C. Koppen. 2,410,856; Nov. 12.
Alkyl ethers of vitamin D. N. A. Milas. 2,410,893; Nov. 12.
Altitude determination. L. de Forest. 2,410,868; Nov. 12.
Aluminum chloride conversion system. A. P. Lien and E. L. d'Ouville. 2,410,886; Nov. 12.
Amplifying apparatus, Sound. A. J. Sanial. 2,411,004; Nov. 12.
Apparatus for forming materials. W. B. Ahern. 2,410,857; Nov. 12.
Apparatus for slitting endless bands. F. Slusher. 2,410,905; Nov. 12.
Aromatics, Alkylation of. C. B. Linn and V. N. Ipatieff. 2,411,047; Nov. 12.
Asbestos to wire, Method and apparatus for applying. K. A. Falconer. 2,410,815; Nov. 12.
Bar: *See*—
Skip bar.
Bar system, Bus. E. T. Carlson. 2,411,128; Nov. 12.
Battery, Dry. M. Lang and H. R. Dam. 2,410,826; Nov. 12.
Bearing and seal construction. T. L. Callahan and J. Weaver. 2,410,927; Nov. 12.
Belt, Dual intersecting wire tube. M. A. Crosby. 2,411,027; Nov. 12.
Belt sander, Double. D. Doherty. 2,411,085; Nov. 12.
Blank, Carton. R. A. Lambert. 2,411,134; Nov. 12.
Block: *See*—
Terminal block.
Blocking impulse generator. O. H. Schade. 2,411,062; Nov. 12.
Board: *See*—
Game board.
Bomb. C. B. Ferrel. 2,410,932; Nov. 12.
Boring machine, Ring. O. W. Haling. 2,410,819; Nov. 12.
Box: *See*—
Multidrive gear box.
Box and ground strap provided with cable clamps, Outlet. G. B. Benander. 2,411,017; Nov. 12.
Brake: *See*—
Spindle brake.
Brake mechanism. W. A. Eaton. 2,410,966; Nov. 12.
Brake rotor. C. E. Tack. 2,411,067; Nov. 12.
Broom holder. C. C. Hickman. 2,410,972; Nov. 12.
Buckle, Metal. C. R. Hennicke. 2,410,880; Nov. 12.
Buggy, Collapsible baby. E. F. Allenbaugh. 2,410,797; Nov. 12.
Burner: *See*—
Pressure atomizing oil burner.
Butane to isobutane, Isomerization of normal. C. W. Montgomery. 2,410,894; Nov. 12.
Cage, Animal. W. Hegener. 2,410,879; Nov. 12.
Calculating machine. J. M. Laiho. 2,410,823; Nov. 12.
Calculating machine. T. O. Mehan. 2,411,050; Nov. 12.
Camera operating control. G. T. Burrell. 2,410,925; Nov. 12.
Can opener. T. A. Long. 2,411,099; Nov. 12.
Carboxylic acid substituted amines, Forming. F. C. Bersworth. 2,411,019; Nov. 12.
Carrier: *See*—
Vehicle wheel carrier.
Carrier attachment for mobile cranes, Retractable front. M. M. Botnick. 2,411,022; Nov. 12.
Case: *See*—
Combination cigarette and card case.
Castilloa latex, Coagulation of. T. F. Ford. 2,411,033; Nov. 12.
Castings, Forming. W. Dillon. 2,410,813; Nov. 12.
Catalyst, Producing. R. B. Mason. 2,410,890; Nov. 12.
Cathode-ray tube system. H. De Ryder. 2,411,030; Nov. 12.
Celery cutter. T. J. Bell. 2,410,860; Nov. 12.
Child's toilet seat. L. C. Neufeld. 2,411,137; Nov. 12.
Chute installation, Spin. T. C. Andreopoulos and P. J. Papadakos. 2,411,077; Nov. 12.
Circuit: *See*—
Discriminator-rectifier circuit.
Electron tube circuit.
Locked-in oscillator circuit.
Record reproduction circuit.
Selective signal receiving circuit.
Vibrator circuit.
Circuit interrupter, Electrolytic type of periodic. G. E. Fredericks and J. Sivertsen. 2,411,089; Nov. 12.
Circuits, Superregenerative receiver. W. R. Koch. 2,410,981; Nov. 12.
Clamp for platform pulley blocks. D. J. Neale. 2,410,836; Nov. 12.
Closet light. R. A. MacDonald. 2,411,100; Nov. 12.
Closure, Container. R. N. Wallach. 2,411,012; Nov. 12.
Clutch: *See*—
Freewheeling clutch.
Magnetic clutch.
Collet actuator, Co-ordinted-cam. R. F. Brennen. 2,410,807; Nov. 12.
Colloid resists with substantive dyes, Developing. F. T. Powers. 2,411,108; Nov. 12.
Combination cigarette and card case. G. G. Mevi. 2,410,987; Nov. 12.
Compressing apparatus, Fluid. V. V. Biasutta. 2,411,020; Nov. 12.
Condensation products and preparing and using same. E. Lieber. 2,410,885; Nov. 12.
Conductors to insulators, Fastening. D. T. Shaw. 2,411,007; Nov. 12.
Connector: *See*—
Electrical connector.
Construction for turbines, Diaphragm. V. Cronstedt. 2,410,810; Nov. 12.
Contact element. R. H. Savage. 2,411,060; Nov. 12.
Container: *See*—
Dispensing container.
Metal framed wood container.
Container. H. F. Christner, F. A. Lobley, and C. F. Miles. 2,410,928; Nov. 12.
Container forming material, Self-healing. M. Sanz. 2,411,116; Nov. 12.
Containers, Producing collapsible tin coated metal tube. O. J. Bruun. 2,411,024; Nov. 12.
Control apparatus for alternating current motors. T. J. Mesh. 2,411,051; Nov. 12.
Control means for tractor-connected implements. R. D. Acton. 2,410,918; Nov. 12.
Control mechanism, Fluid pressure. W. A. Eaton. 2,140,967; Nov. 12.
Control system, Frequency. E. L. Ginzton, W. Palmer, and F. A. Jenks. 2,410,817; Nov. 12.
Conveyer for vehicle bodies, Roller. E. H. Hill. 2,411,133; Nov. 12.
Coupler, Trailer. W. L. Slimp. 2,411,009; Nov. 12.
Coupling: *See*—
Hose coupling.
Coupling control apparatus, Electrical. A. Winther. 2,411,122; Nov. 12.
Coupling system. D. H. Ring. 2,410,838; Nov. 12.
Covering articles, Temporarily. V. F. Harrington. 2,410,878; Nov. 12.
Covering for welding rods, Protective. R. D. Wasserman. 2,410,850; Nov. 12.
Cracking machine, Tube. C. Eisler. 2,410,931; Nov. 12.
Crank and lubricated means for driving the same. S. S. Crause. 2,410,929; Nov. 12.
Cup forming machine. E. Conti. 2,411,082; Nov. 12.
Cushioning device. L. D. Freeman. 2,410,933; Nov. 12.
Cutter: *See*—
Celery cutter.
Damper, Liquid type vibration. A. M. Rockwell. 2,411,000; Nov. 12.
Damper system for synchronous generators. R. Rudenberg. 2,411,002; Nov. 12.
Dehydrator, Grain. A. B. Welty. 2,410,851; Nov. 12.
Delving machine. B. Farley. 2,410,969; Nov. 12.
Dental precision bridge device. W. C. Rothkranz. 2,411,001; Nov. 12.
Detergent composition, Preparing a. E. S. Garverich and W. L. Martin. 2,411,090; Nov. 12.
Device for raising toilet seats. B. P. Zulkoski. 2,410,854; Nov. 12.
Die with variable contour, Cutting. S. Azzara. 2,411,016; Nov. 12.
Digester unit. J. J. De La Roza, Sr. 2,410,964; Nov. 12.
Dimension gauge. J. B. Hall. 2,410,877; Nov. 12.
Discharge device, Electric. T. M. Liimatainen. 2,411,046; Nov. 12.

Discriminator-rectifier circuit. W. R. Koch. 2,410,983; Nov. 12.
Dispensing container. C. S. Beardsley. 2,410,923; Nov. 12.
Dispensing device, Fluid pressure media. S. C. Marsh. 2,410,830; Nov. 12.
Dispensing mechanism for mixing tanks, Ingredient. W. F. Gayring. 2,410,873; Nov. 12.
Display device. J. Hutchinson. 2,410,975; Nov. 12.
Door: *See*—
Sliding door.
Drafting instrument. H. Brown. 2,410,864; Nov. 12.
Drill: *See*—
Earth drill.
Drying apparatus with air desiccating means and automatic regenerating means therefor. R. V. Heuser. 2,411,039; Nov. 12.
Earth drill. H. S. Brown. 2,410,959; Nov. 12.
Electric switch. E. B. Farmer and E. L. Lawson. 2,411,086; Nov. 12.
Electrical connector. C. E. Carson. 2,410,961; Nov. 12.
Electron beam modulator. A. L. Samuel. 2,410,840; Nov. 12.
Electron discharge apparatus, High frequency. D. E. Kenyon. 2,410,822; Nov. 12.
Electron discharge device. L. F. Broadway and C. S. Bull. 2,410,833; Nov. 12.
Electron tube circuit. F. B. Aubert. 2,411,078; Nov. 12.
Engines operating coaxial shafts. J. B. Brockhurst. 2,410,958; Nov. 12.
Ensilage blower, Double feed. E. F. Huddle. 2,410,943; Nov. 12.
Envelope and writing sheet, Combined. H. F. Auger. 2,410,858; Nov. 12.
Esterification reactions. S. B. Luce. 2,411,136; Nov. 12.
Fabric, Composite. B. Lawrence, Jr. 2,410,884; Nov. 12.
Fabric treatment. C. M. Croft and W. J. Cramer, Jr. 2,410,867; Nov. 12.
Fastener: *See*—
Swingable closure fastener.
Fertilizer distributor. B. J. Harder. 2,410,937; Nov. 12.
Film-feeding mechanism. J. B. Contner. 2,410,962; Nov. 12.
Flaws in rails, Method and apparatus for detecting. W. C. Barnes and H. W. Keevil. 2,410,803; Nov. 12.
Fluid meter. A. R. Whittaker. 2,410,852; Nov. 12.
Frame: *See*—
Twister frame.
Frame member. B. E. Balduf. 2,410,922; Nov. 12.
Freewheeling clutch. H. C. Grant, Jr. 2,410,818; Nov. 12.
Freezing and carbonating device. J. C. Carothers. 2,411,081; Nov. 12.
Friction element. W. A. Blume and E. W. Conarton. 2,410,924; Nov. 12.
Fuel injection mechanism. L. E. Johnson. 2,410,946; Nov. 12.
Fuel injection pump mechanism. L. E. Johnson. 2,410,947; Nov. 12.
Fuel preparing apparatus, Liquid. H. B. Holthouse, Jr. 2,411,040; Nov. 12.
Funnel. L. J. Madden. 2,411,049; Nov. 12.
Funnel guide mounting. H. O. Davidson. 2,411,036; Nov. 12.
Funnel guide mounting. H. D. Haley and H. D. Schaffer. 2,411,035; Nov. 12.
Fur, Treating. A. Pierini. 2,410,898; Nov. 12.
Game board. G. G. Mevi. 2,410,988; Nov. 12.
Game device. F. Baumgartner. 2,410,800; Nov. 12.
Gantry. W. W. Kirsen. 2,410,979; Nov. 12.
Garment. C. d'Aprile. 2,411,129; Nov. 12.
Gasoline. E. L. Walters. 2,410,846; Nov. 12.
Gasoline and of addition agents therefor, Stabilization of. D. B. Luten, Jr. 2,410,829; Nov. 12.
Gasoline and of addition agents therefor, Stabilization of. E. L. Walters. 2,410,847; Nov. 12.
Gauge: *See*—
Dimension gauge. Optical gauge.
Generating system, Frequency. M. J. Larsen, C. S. Schjonberg, and J. A. Oswald. 2,410,883; Nov. 12.
Generator: *See*—
Linear time base sweep generator. Thermoelectric generator.
Mobile steam generator.
Glass, Manufacture of optical. A. J. Deyrup. 2,411,031; Nov. 12.
Governing mechanism, Speed. A. G. Silvester. 2,411,065; Nov. 12.
Grinding apparatus. S. A. Oakley. 2,411,052; Nov. 12.
Grinding machine for shaping work pieces. J. L. Torgerson. 2,410,955; Nov. 12.
Gripper mechanism. J. R. Wood. 2,411,123; Nov. 12.
Grouting. A. E. Troiel. 2,411,011; Nov. 12.
Guide for sewing machines, Cloth. J. A. Morabito. 2,411,102; Nov. 12.
Gun barrels, Inspecting. A. C. W. Aldis and J. West. 2,411,076; Nov. 12.
Gun mounting. E. A. B. Rice, A. G. Rose, and S. Curtis. 2,411,114; Nov. 12.
Handle: *See*—
Microphone handle. Sure grip scythe handle.
Saw handle.
Harvesting apparatus, Celery. T. J. Bell. 2,410,861; Nov. 12.
Heat exchanger. S. Kopp. 2,411,097; Nov. 12.
Heat exchanger. E. A. Wenk. 2,410,912; Nov. 12.
Heater: *See*—
Water heater.
Heating apparatus. R. H. Hunter. 2,410,881; Nov. 12.
Helicopter rotor mounting. J. O. de Chappedelaine. 2,410,963; Nov. 12.
High temperature valve. G. P. Bunn. 2,410,960; Nov. 12.
Hoist and grappling control, Load. H. N. Dimick. 2,410,965; Nov. 12.
Hold-down device, Work. C. Rubenstein. 2,411,059; Nov. 12.
Holder: *See*—
Broom holder. Photographic film holder.
Money holder. Picture holder.
Hose coupling. J. S. Robbins. 2,411,057; Nov. 12.
Hydraulic system. W. Ernst. 2,410,869; Nov. 12.
Hydraulic system. J. W. Kelly. 2,410,978; Nov. 12.
Hydrocarbon mixtures, Solvent extraction of unsaturated. C. A. Coghlan. 2,411,025; Nov. 12.
Hydrocarbon products, Production of unsaturated. F. S. Rostler, V. M. Wilson, and H. I. du Pont. 2,410,839; Nov. 12.
Hydrocarbons, Catalytic conversion of. E. F. Pevere. 2,411,054; Nov. 12.
Hydrocarbons, Treating. O. L. Davis, and A. C. Nixon. 2,411,083; Nov. 12.
Hydrocarbons, Treating. A. C. Nixon and D. L. Yabroff. 2,411,105; Nov. 12.
Igniting composition. L. F. Audrieth. 2,410,801; Nov. 12.
Indicating system, Selective. L. Hillman. 2,410,821; Nov. 12.
Ingot, Cast. A. T. Peters. 2,410,837; Nov. 12.
Inhaler. H. L. Apfelbaum. 2,410,798; Nov. 12.
Inhaler, Heated nasal. M. A. Rogge. 2,410,903; Nov. 12.
Injection applying device, Hypodermic. E. Müller. 2,410,991; Nov. 12.
Internal-combustion engines, Priming of. A. E. Morcillon and J. A. Hunt. 2,411,103; Nov. 12.
Iron or iron alloys, Making products of. L. F. Whitney. 2,411,073; Nov. 12.
Isoforming. E. W. Thiele, G. E. Schmitkons, and C. M. Hull. 2,410,908; Nov. 12.
Jack: *See*—
Tractor jack.
Joint assembly, Steering. J. H. Booth. 2,411,021; Nov. 12.
Kettle, Steam. R. J. Sharp. 2,411,006; Nov. 12.
Lathe for turning lasts or the like. A. D. Landers and F. H. Lindsay. 2,411,135; Nov. 12.
Lift for plows, Automatic implement. S. G. Washburn. 2,411,072; Nov. 12.
Light: *See*—
Closet light.
Linear time base sweep generator. H. Atwood, Jr. 2,410,920; Nov. 12.
Link, Tenter chain. L. C. Stowell. 2,410,907; Nov. 12.
Locating equipment. E. J. Wade. 2,411,071; Nov. 12.
Lock: *See*—
Seal lock.
Lock ring. W. F. Hess. 2,411,037; Nov. 12.
Locked-in oscillator circuit. W. F. Sands. 2,411,003; Nov. 12.
Lubricant. E. F. Engelke and W. W. Odell. 2,411,032; Nov. 12.
Machine for dewaxing and lacquering paper shotgun shell cartridges. W. N. King, N. A. Romanchuk, and W. H. Ward. 2,411,042; Nov. 12.
Machine for sealing bags. E. E. Messmer. 2,410,834; Nov. 12.
Machine gun, Multiple barrel. E. H. Waltke. 2,410,848; Nov. 12.
Magnetic clutch. T. A. Rich. 2,411,055; Nov. 12.
Material for providing traction. B. H. Walt. 2,410,910; Nov. 12.
Measuring and load controlling apparatus, Strain. N. H. Roy and J. L. Bisesi. 2,411,139; Nov. 12.
Measuring device, Temperature. H. von Hortenau. 2,411,120; Nov. 12.
Measuring instrument, Electrical. A. G. Stimson. 2,411,010; Nov. 12.
Mechanical release. L. P. Frieder and W. S. Finken. 2,410,816; Nov. 12.
Metal cutting tool. C. E. Nordstrom. 2,410,896; Nov. 12.
Metal framed wood container. J. E. Wilson. 2,411,121; Nov. 12.
Metal plating process. F. K. Signaigo and W. J. Peppel. 2,410,844; Nov. 12.
Metalworking machine. H. E. Pruitt. 2,411,110; Nov. 12.
Meter: *See*—
Fluid meter. Relative humidity meter.
Microphone handle. H. C. Pye. 2,410,899; Nov. 12.
Mixer apparatus, Centrifugal. E. Roberts. 2,411,138; Nov. 12.
Mobile steam generator. R. B. Radbill. 2,410,900; Nov. 12.
Moisture ejection device for air pressure systems. C. W. Bassett. 2,410,799; Nov. 12.
Molding three-dimensional shapes from drawings, Method and apparatus for. O. H. Lucy. 2,410,888; Nov. 12.
Money holder. M. L. Ornsteen. 2,411,053; Nov. 12.
Motors of submersible pumps, Cooling of driving. V. A. Hoover. 2,410,973; Nov. 12.

Mounting: *See*—
Funnel guide mounting. Helicopter rotor mounting.
Mounting for cooking stoves or the like, Door. G. Klein. 2,410,980; Nov. 12.
Multidrive gear box. C. R. Waseige. 2,410,849; Nov. 12.
Naptha, Improving. R. N. Meinert and P. H. Holt, II. 2,410,891; Nov. 12.
Nut, Sheet metal. R. E. Eggert. 2,410,968; Nov. 12.
Nut, Sheet metal lock. R. G. Olson, Jr. 2,410,995; Nov. 12.
Oil desalting and/or dewatering. J. A. Guyer. 2,410,970; Nov. 12.
Oil desliming process, Fatty. W. A. Bush and E. A. Lasher. 2,410,926; Nov. 12.
Oil solution of a condensed organic amino compound, Preparing a lubricating. J. L. Wasson and W. M. Smith. 2,410,911; Nov. 12.
Opening device, Vial. J. J. Ramsey. 2,410,901; Nov. 12.
Optical thickness gauge. W. R. Holman. 2,410,942; Nov. 12.
Ornament for ears. H. S. Williams. 2,410,914; Nov. 12.
Pad for garments, Shoulder. B. Mechur. 2,410,986; Nov. 12.
Page turning device for invalids. T. C. Dermers. 2,411,084; Nov. 12.
Paper products, Manufacture of deposited. L. Stevens. 2,411,066; Nov. 12.
Paraffin removal. H. B. Landrum and C. A. Husted. 2,411,044; Nov. 12.
Pest control. E. W. Bousquet and H. G. Guy. 2,410,862; Nov. 12.
Pharmaceutical preparation, Liquid. W. Karrer. 2,410,949; Nov. 12.
Phase sensitive apparatus. J. E. Shepherd. 2,410,843; Nov. 12.
Photographic film holder. T. McG. Aiken. 2,410,919; Nov. 12.
Photographic materials. E. B. Knott. 2,410,096; Nov. 12.
Picture holder. G. G. Mevi. 2,410,989; Nov. 12.
Piezoelectric crystal apparatus. C. E. Lane. 2,410,825; Nov. 12.
Piston. G. L. Nampa. 2,410,895; Nov. 12.
Plaster compound. H. Brown. 2,410,865; Nov. 12.
Plastic hollow bodies, Molding. E. Gronemeyer and S. Cherba. 2,410,936; Nov. 12.
Polyene compounds, Treatment of. A. W. Ralston and O. Turinsky. 2,411,111–13; Nov. 12.
Polyesters, Subresinous. M. De Groote and B. Keiser. 2,411,029; Nov. 12.
Power transmission device. F. W. Avila. 2,410,921; Nov. 12.
Power transmission mechanism. T. W. Millns. 2,411,101; Nov. 12.
Power unit. E. E. Hetteen. 2,411,038; Nov. 12.
Press: *See*—
Thermopressure gluing Upward acting molding press. press.
Pressure atomizing oil burner. J. A. Logan. 2,411,048; Nov. 12.
Printing machines. W. T. Gollwitzer. 2,410,935; Nov. 12.
Printing members, Etching rotogravure. F. T. Powers. 2,411,109; Nov. 12.
Propeller, Snap-on. W. B. McLean. 2,410,832; Nov. 12.
Protector: *See*—
Shoe protector.
Pump. N. A. Christensen. 2,410,808; Nov. 12.
Pump packing, Oil well. H. F. Johns. 2,410,976; Nov. 12.
Pumping apparatus. R. E. Lamberton. 2,410,824; Nov. 12.
Pyridine bases, Recovering. H. L. Stewart. 2,410,906; Nov. 12.
Pyridine derivatives and the manufacture of same. M. Hoffer. 2,410,938–41; Nov. 12.
Range butt, Firing. W. S. Conner and C. B. Wilkee. 2,411,026; Nov. 12.
Range setting mechanism. C. W. Buckley. 2,411,080; Nov. 12.
Rat trap. R. A. Miller. 2,410,990; Nov. 12.
Receiver and support therefor, Flexible bobbin. R. G. Turner. 2,411,069; Nov. 12.
Receiver for weft replenishing looms, Bobbin. R. G. Turner. 2,411,068; Nov. 12.
Receptacle for waste disposal. B. S. Wolff and H. Gottesman. 2,411,015; Nov. 12.
Record reproduction circuit. W. R. Koch. 2,410,982; Nov. 12.
Regulating means, Pilot controlled. D. G. Griswold. 2,410,876; Nov. 12.
Relative humidity meter. F. Kahn. 2,411,041; Nov. 12.
Reversible and variable-speed mechanism. H. J. Willmott. 2,410,915; Nov. 12.
Ring: *See*—
Lock ring.
Ring and the like, Key. L. Kuhnl. 2,410,951; Nov. 12.
Rotary selector switch. H. R. Warnke. 2,411,013; Nov. 12.
Safety device. T. E. Lawless. 2,410,984; Nov. 12.
Salicylate, Preparing normal lead. L. M. Kebrich. 2,410,977; Nov. 12.
Saw handle. A. Davies and E. Smith. 2,411,028; Nov. 12.
Sawmill. H. G. Locke. 2,410,887; Nov. 12.
Scale-peptizing composition. S. A. Winkelmann and J. C. Wright. 2,411,074; Nov. 12.
Scanning device. H. Langstroth and F. C. Wallace. 2,410,827; Nov. 12.
Scanning device. L. A. Maybarduk, W. W. Mieher, S. J. Zand, and G. E. White. 2,410,831; Nov. 12.
Screw driver. E. C. Hartley. 2,410,971; Nov. 12.
Seal lock. J. Rifkin. 2,411,115; Nov. 12.
Seat: *See*—
Adjustable back seat. Child's toilet seat.
Seat construction. H. T. Borsheim. 2,411,125; Nov. 12.
Seismometer. S. A. Scherbatskoy. 2,411,117; Nov. 12.
Selective signal receiving circuit. B. J. Henderson. 2,411,091; Nov. 12.
Sewing machine, Shoe. C. W. Baker. 2,410,859; Nov. 12.
Sharpener, Chain saw. A. R. Lofstrand, Jr. 2,410,828; Nov. 12.
Shock absorber, Floating. N. O. Myklestad. 2,410,902; Nov. 12.
Shoe protector. W. Wood, Jr. 2,410,853; Nov. 12.
Short wave direction finder. L. C.-L. Yuan and C. E. Miller. 2,410,917; Nov. 12.
Signal detector, Submarine. R. Black, Jr., and F. F. Romanow. 2,410,806; Nov. 12.
Signal device, Railway. E. L. Kiser. 2,411,095; Nov. 12.
Signaling system. F. C. Evans. 2,410,814; Nov. 12.
Signaling system, Pulse. J. Evans. 2,411,130; Nov. 12.
Silica modified cement. J. W. Sharp. 2,310,954; Nov. 12.
Skip bar. C. W. Lapha. 2,411,045; Nov. 12.
Sliding door. O. H. Merz. 2,410,892; Nov. 12.
Smoke-producing composition. J. W. Van Karner. 2,411,070; Nov. 12.
Socket for fluorescent lamps. D. Pesin. 2,410,997; Nov. 12.
Speed control and motor protector, Electric. C. N. Reavis. 2,410,998; Nov. 12.
Spindle brake. V. A. Burnham. 2,411,127; Nov. 12.
Spoiler control means for airplanes. O. C. Koppen. 2,410,855; Nov. 12.
Spreader, Detachable manure. R. P. Messenger, A. E. W. Johnson, and W. F. Schmied. 2,410,953; Nov. 12.
Spring back support. F. D. Fields and T. H. Alfreds. 2,410,871; Nov. 12.
Sprinkler, Lawn. A. De Mott. 2,410,930; Nov. 12.
Stable vertical. H. C. Ford and E. P. Ross. 2,411,087; Nov. 12.
Steering mechanism. W. T. Stephens. 2,411,119; Nov. 12.
Styrene from ethyl benzene by azeotropic distillation, Separation of. T. A. Petry and G. L. Payne. 2,411,106; Nov. 12.
Support: *See*—
Spring back support.
Support and seal, Bulkhead conduit. J. H. Reisner. 2,410,999; Nov. 12.
Support for abrasive disks. F. De Michel. 2,410,812; Nov. 12.
Support for filament assemblies. R. A. Nelson and W. O. Smith. 2,410,993; Nov. 12.
Sure grip scythe handle. G. A. Lansden. 2,410,882; Nov. 12.
Sutures to shanks of surgeons' needles, Attaching. G. H. J. Baule. 2,411,079; Nov. 12.
Swatter, Fly. H. L. Briones. 2,410,957; Nov. 12.
Swingable closure fastener. C. E. Leiss. 2,411,098; Nov. 12.
Switch: *See*—
Electric switch. Rotary selector switch.
Switching antenna. Lobe. T. M. Gluyas, Jr., and L. J. Wolf. 2,411,034; Nov. 12.
System for sintering. W. F. Johnson. 2,410,944; Nov. 12.
System of reproducing sound. T. R. Benjamin. 2,410,956; Nov. 12.
Telegraph signal distortion measuring circuit. S. I. Cory. 2,410,809; Nov. 12.
Telephone system. K. L. Burgener. 2,410,866; Nov. 12.
Terminal block. H. R. Warnke. 2,411,014; Nov. 12.
Thermoelectric generator. H. J. Findley. 2,410,872; Nov. 12.
Thermopressure gluing press. E. J. Klassen. 2,411,043; Nov. 12.
Thermostat, Fire detecting. R. P. Jameson. 2,411,093; Nov. 12.
Threading device, Needle. C. J. Schuster. 2,411,118; Nov. 12.
3,4-dihydroxy-thiophan and manufacture of same, Derivatives of. P. Karrer. 2,410,948; Nov. 12.
Toaster. O. V. Malmquist. 2,410,985; Nov. 12.
Token. W. E. Snell, H. E. Frantz, Jr., and F. A. Hignutt. 2,410,845; Nov. 12.
Tool: *See*—
Abrasive tool. Metal cutting tool.
Tool. R. Martines. 2,410,889; Nov. 12.
Tool for producing face clutches, Method and. E. Wildhaber. 2,410,913; Nov. 12.
Toy, Knockdown. H. Greenberg and J. J. O'Connell. 2,410,874; Nov. 12.
Toy, Knockdown. L. Segal. 2,410,875; Nov. 12.
Tractor. W. T. Saxon. 2,411,061; Nov. 12.
Tractor jack. A. E. W. Johnson and J. R. Oreland. 2,410,945; Nov. 12.
Transcribing device. H. R. Montague. 2,410,835; Nov. 12.

Transducer system. C. M. Sinnett. 2,411,008; Nov. 12.
Transfer construction for electrolytic cells, Heat. L. E. Lighton. 2,410,952; Nov. 12.
Transformer, Three phase. R. D. Nelson. 2,411,104; Nov. 12.
Transmission, Articulated. E. Dawson. 2,410,811; Nov. 12.
Transmission line, Concentric conductor. J. C. Bain. 2,410,802; Nov. 12.
Transmission system, Pulse. N. E. Lindenblad. 2,411,140; Nov. 12.
Transmitter, Call. L. A. Meacham. 2,410,833; Nov. 12.
Trap; *See*—
  Rat trap.
Tube closure, Collapsible. J. C. Rockwell. 2,411,058; Nov. 12.
Tuning arrangement. A. L. Samuel. 2,410,841; Nov. 12.
Turbidimeter, Photoelectric. R. L. Hood and J. W. Berry. 2,411,092; Nov. 12.
Turbine. K. Baumann. 2,410,804; Nov. 12.
Turbine plant, Internal-combustion. K. Baumann. 2,411,124; Nov. 12.
Turret for aerial cameras, Automatic. L. A. Scholz. 2,410,842; Nov. 12.
Twister frame. V. A. Burnham. 2,411,126; Nov. 12.
2-Chloroalkylimide chlorides. E. W. Shand. 2,411,064; Nov. 12.
Typewriter desk fixture. M. Fox. 2,411,088; Nov. 12.
Unloading and loading mechanism, Grain. R. I. Patterson. 2,410,996; Nov. 12.
Upward acting molding press. W. R. Tucker. 2,410,909; Nov. 12.
Valve; *See*—
  High temperature valve.
Vehicle wheel carrier. J. W. Roberts. 2,410,902; Nov. 12.
Ventilator. H. Knutson. 2,410,950; Nov. 12.
Vibration detector. R. Black, Jr. 2,410,805; Nov. 12.
Vibrator circuit. C. Huetten. 2,410,974; Nov. 12.
Vinyl cyanide, Production of. C. R. Harris. 2,410,820; Nov. 12.
Wagon body, Grain housing. J. L. Ricketts. 2,411,056; Nov. 12.
Washing machine for window blinds. O. F. French. 2,410,934; Nov. 12.
Water heater. W. J. O'Brien. 2,410,994; Nov. 12
Web-feeding device. C. E. Wyrick. 2,411,075; Nov. 12.
Weighing device, Load. W. H. Bruns. 2,411,023; Nov. 12.
Winch for towing and the like. A. A. Johnson. 2,411,094; Nov. 12.
Windrower. P. R. Schroeppel. 2,410,904; Nov. 12.
Windshield for motorcycles and the like. B. G. Hanson. 2,411,131; Nov. 12.
Wiring device. G. B. Benander. 2,411,018; Nov. 12.
Yarn and producing same, Artificial. B. L. Hathorne and R. W. Seem. 2,411,132; Nov. 12.
Zinc yellow, Producing. E. A. Wilson and W. D. Newman. 2,410,916; Nov. 12.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 12, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

D 2— 3: Des. 145,903
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D 7— 7: Des. 145,882
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D14— 6: Des. 145,910
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Trade-Marks	86	No. 425,399 to No. 425,484, inclusive.
T. M. Renewals	159	
Patents	356	No. 2,411,141 to No. 2,411,496, inclusive.
Designs	46	No. 145,917 to No. 145,962, inclusive.
Total	638	

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Disclaimers

2,367,434.—*Delmar G. Roos*, Toledo, Ohio. MOTOR VEHICLE. Patent dated Jan. 16, 1945. Disclaimer filed Oct. 12, 1946, by the inventor; the assignee, *Willys-Overland Motors, Inc.*, approving.

Hereby enters this disclaimer to claims 1, 3, 6, 8, and 9 of said patent.

2,383,813.—*Harold S. Ogden*, Erie, Pa. ELECTRIC MOTOR CONTROL SYSTEM. Patent dated Aug. 28, 1945. Disclaimer filed Oct. 17, 1946, by the assignee, *General Electric Company*.

Hereby enters this disclaimer of claims 7, 8, and 9 of said patent.

Cross-References in Cases Relating to Same Subject

RULE 43. When an applicant files two or more applications relating to the same subject matter of invention, all showing but only one claiming the same thing, the applications not claiming it must contain references to the application claiming it.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Examiners' Letters and Amendments

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

Communications to the Patent Office

RULE 8. A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters.

Condition of Applications Under Examination at Close of Business October 25, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 128,506; Trade-Mark Division, 10,865. Oldest new case, April 2, 1945; oldest amended, April 27, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	June 4	July 16	2498
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 23	July 13	3020
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	June 12	July 3	2029
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Aug. 6	Aug. 24	2352
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3487
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 5	Nov. 24	1746
7. HANLIN, GEORGE, Optics, Photography	June 30	Nov. 26	1910
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	July 27	Aug. 27	3143
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	June 1	May 11	2132
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Aug. 13	Aug. 6	1473
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 11	†Mar. 9	719
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 7	June 23	2595
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	June 28	2048
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 7	Sept. 24	1454
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Nov. 25	Nov. 29	1169
16. LOVEWELL, N. N., Telegraphy; Telephony	Sept. 27	Oct. 6	1222
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Webb Feeding; Type Setting.	July 10	May 2	1136
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 19	1837
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Nov. 13	Oct. 26	1643
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 30	July 13	1800
21. THOMPSON, T. J., Textiles	†Feb. 6	†Feb. 7	742
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 18	1880
23. LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 18	Aug. 23	220
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 6	†Feb. 5	1104
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 26	Sept. 1	1434
26. YOUNG, R. R., Electricity—Generation and Motive Power	Apr. 24	July 23	1853
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	July 2	June 22	1972
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	June 6	May 23	1454
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	July 21	June 30	2176
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 26	Aug. 1	2272
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Apr. 9	Apr. 10	904
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	May 4	Sept. 21	2157
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 18	Aug. 6	2902
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 31	Sept. 12	1239
35. BROMLEY, E. G., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 29	Oct. 6	1945
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1615
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 8	Sept. 18	1306
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part) Ornamentation	Sept. 4	Oct. 1	1280
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	May 26	May 23	2380
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 3	Oct. 4	2443
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Aug. 22	Aug. 14	805
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 23	Nov. 5	981
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	July 13	Aug. 10	1191
44. HARVEY, L. P., Refrigeration; Preserving	May 4	June 21	1195
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 17	July 18	2463
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 15	Sept. 13	1487
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 18	Oct. 1	2656
48. BERNSTEIN S., Electricity, General Applications; Electric Igniters	Apr. 27	Apr. 27	1901
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 7	Aug. 24	1556
50. LEVIN, SAMUEL, Synthetic Resins	Oct. 22	Oct. 22	2198
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	July 9	July 13	2203
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	June 15	July 27	3020
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 24	3330
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 28	June 12	2056
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Sept. 5	1601
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 29	Sept. 8	1390
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Apr. 2	June 7	2801
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 28	Dec. 5	1320
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 9	June 7	2035
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Oct. 1	1768
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	July 7	June 21	2461
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 16	Apr. 27	3533
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 10	Aug. 7	1922
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 27	†Mar. 14	936
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 3	July 6	2283
Trade-Marks: RICHMOND, F. A	Dec. 29	†June 6	10,865
Designs: KALUPY, H. H	Dec. 17	†July 20	6714

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Rubel

No. 5,186. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 219]

Patentability—Sewing Machine.

Certain claims concerned with the cooling of the needles of sewing machines *Held* unpatentable over the prior art.

Appeal from the Patent Office. Affirmed.

Mr. H. C. Diescrud for Rubel.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Bland, *J.:*

From the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 25 to 34, inclusive, 36, 37, and 39 to 43, inclusive, as not being inventive in view of the prior art, appellant has here appealed. Two claims were allowed.

Claims 25 and 26 were regarded by the Board as being representative of the appealed subject matter and follow:

25. In apparatus of the class described a supporting table, a sewing machine mounted on said table and having a work supporting surface, complementary stitch forming means including a reciprocable needle arranged to cooperate with work supported on said surface, means for operating said stitch forming means, a motor and clutch unit carried by said table beneath said machine and connected with said operating means for driving the same, a blower having a rotor arranged to be driven by said motor and clutch unit for producing a current of air continuously during operation of the machine, and a conduit for delivering said current of air to a point adjacent said needle, the discharge end of said conduit being so disposed and of such depth and width as to project a stream of air across substantially the entire path of movement of said needle at one side of said work support, said conduit being of such cross-sectional area throughout its length as to be capable of delivering between .1 and .3 of a cubic foot of air per second at a velocity not exceeding 100 feet per second.

26. A method of increasing the permissible speed of operation of a multiple-needle sewing machine having an individual driving motor which comprises delivering a continuous stream of cooling air created by the driving means for the machine to substantially the entire zone through which the active portions of the needles are operated at one side of the work, said air being delivered at a rate between .1 and .3 of a cubic foot per second.

The references relied upon are: Robinson, 286,164, October 2, 1883; Bates, 1,758,101, May 13, 1930; Le Vesconte, 2,080,322, May 11, 1937; Le Vesconte, 2,082,738, June 1, 1937; Callaghan, 2,144,326, January 17, 1939.

Appellant's alleged invention is described by the Examiner as follows:

The subject matter of this application relates to the cooling of sewing machine needles. The sewing machine bed has mounted thereunder a motor which is coupled by a clutch to a pulley for operating the sewing mechanism. The pulley is on a shaft which carries the blades of a blower. Air is carried from the blower outlet, through a suitable conduit and discharged in the vicinity of the sewing needles. Sufficient cross section is provided at the discharge end to pass air over a rather large area. The size of conduit and the blower are selected to deliver a large volume of air at a relatively low velocity and pressure.

It is pointed out in appellant's specification and in his brief in this court that his application is concerned with the cooling of sewing machine needles, particularly those used in factories or workshops where heavy, hard materials, such as twill, denim, and the like, are being made into garments. In order to increase production, it is necessary that the machine operate at high speed, in which instance, in the kind of work described, the needles used will heat to the extent that they are damaged or break or the thread may be damaged.

It was old in the art, as is shown by the references, to cool sewing machine needles by currents of air.

Appellant urges that his improvement as defined by the seventeen appealed claims, which consists in increasing the space on the needle where it contacts the air by providing a larger nozzle so that all that part of the needle which enters the cloth will be supplied with a current of cool air and at such low pressure as will conserve the power required to move the air, involves invention. The importance of the angle at which the air contacts the needle is also stressed.

The Robinson patent shows a sewing machine having a blower mounted below the machine head and driven from the main shaft. He forces air through a conduit at a point adjacent the needle for the purpose of blowing away cuttings. Although it is obvious that the air would cool the needle, nothing is mentioned in the patent concerning such cooling.

Bates discloses a sewing machine in which an air supply pipe and nozzle are arranged so that the air strikes the needle of the machine and also the thread. He employs a narrow blast of air at the exact point where he thinks it is needed in order to save power. His nozzle is narrower and obviously the air will have a greater speed than is intended by appellant.

The Le Vesconte patent, No. 2,080,322, shows a machine using several needles at the same time and they are air-cooled through a pipe which is directed over the needles by means of an expanding nozzle. The pump supplying the air is controlled by the movement of the needle bar and is synchronized with the operation of the machine.

The Le Vesconte patent, No. 2,082,738, shows cooling the needle of a sewing machine by a suction pipe. It draws the air through the work. It likewise is operated synchronously with the machine.

The Callaghan patent employs a fan mounted on a shaft in the sewing machine head. The fan operates whenever the machine is used. The fan blows the air through a conduit and the air is directed against the needle from a nozzle.

Claims 28 to 34, inclusive, 36, 37, 42 and 43 were rejected on Bates in view of both patents to Le Vesconte.

Air is furnished to machines of this character by blowers and compressors. Appellant has chosen a

blower, since high pressure is not desirable. Appellant's blower is not materially different from that shown by Le Vesconte. While Le Vesconte uses air in a somewhat different manner than does appellant, Bates suggests appellant's way of doing it.

The above-enumerated claims were also rejected on Callaghan or Bates in view of Robinson, the Examiner stating:

> It would not involve any invention to use the air blast for cooling the needle and it appears well within ordinary skill to mount the Robinson blower on the Bates or Callaghan machines.

Claims 29, 40 and 41 are method claims. They were all rejected as unpatentable over Bates, Callaghan, or Le Vesconte, 2,080,322. The Examiner stated:

> While several of the claims call for specific volumes or velocity of the air, these differences, if any, over the references appear to be matters of choice and expediency. A wide choice of velocities and amounts of air obviously exists. Applicant has merely selected a blower adequate for the purpose. Obviously, a smaller one might not produce sufficient air. A larger one might overwork the motor, but a large motor could then be used.

The Board of Appeals affirmed the action of the Examiner for substantially the same reasons as those assigned by the Examiner and concluded:

> The claims are limited to certain specific details such as the velocity and pressure of the air, the angle at which it is delivered adjacent the needle, air pressure, etc. which are deemed to have no patentable weight. These are details that must be worked out in the design of the machine.
>
> With the brief appellant has filed an affidavit directed mainly to reasons why an ordinary air compressor could not be used advantageously for the purpose in hand. This affidavit is of a type which does not render necessary reference to the Examiner for report and is deemed to have no bearing upon the patentability of the present claims. Each of the patents to Robinson, Callaghan and Le Vesconte, 2,082,738, shows that it is old to use ordinary blowers to deliver air in such quantities as will keep the needles at the proper temperature.

It seems to us that appellant, if he has made an improvement in the needle cooling art, has done nothing more than what might be expected from one skilled in the art. While the appealed claims do not read directly on any one of the cited references, we agree with the Board and the Examiner that such references suggest doing what appellant has done and that making such modifications in the size of the motor, in the rapidity of the current of air, and in the size of the nozzle as appellant has done did not involve the inventive faculty.

The decision of the Board is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE CHRISTOPHER

No. 5,189. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 226]

1. REFERENCES—FOREIGN PATENTS.
   "Foreign patents are pertinent as prior art only by reason of what is clearly and definitely expressed in them."
2. PATENTABILITY—EFFECT OF GRANT OF FOREIGN PATENTS.
   The granting to appellant in several foreign countries of patents on the same device *Held* not to lend patentability to the rejected claims.
3. SAME—ANALOGOUS ARTS.
   Appellant's machine for making pipes by extrusion of asbestos-cement, and the machines of the references for making pipes by extrusion of clay *Held* to belong in the same hollow pipe and tile producing art.

APPEAL from the Patent Office. Affirmed.

Mr. Lester F. Dittenhoefer for Christopher.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

The Board of Appeals of the United States Patent Office affirmed the decision of the Primary Examiner rejecting, as unpatentable over the prior art, claims 10 to 15 inclusive of an application for a patent alleging new and useful improvements in "Process and Apparatus for Making Asbestos-cement Pipe." No appeal was taken from the rejection of the only method claim, 15, but from the rejection of the other claims this appeal was taken.

Claims 10 and 13 are illustrative and read as follows:

> 10. Apparatus for extruding fibro-cement pipe, comprising a stationary tubular die, a compression chamber at the inner end of the die, said chamber tapering from its inlet end towards its outlet end, a stationary core rigidly held concentrically within the die, a rotary auger for feeding plastic fibro-cement material to the die, and rotary blades disposed between the discharge end of the auger and the inlet end of the compression chamber to direct the fibrated cementitious material longitudinally towards the die.
>
> 13. Apparatus for extruding fibro-cement pipe, comprising a stationary tubular die, a compression chamber at the inner end of the die, said chamber tapering from its inlet end towards its outlet end, the inlet end of the chamber being from three to four times as large in area as the outlet end, a stationary core rigidly held concentrically within the die, a rotary auger for feeding plastic fibro-cement material to the die, and four equi-spaced rotary blades disposed between the discharge end of the auger and the inlet end of the compression chamber to direct the fibrated cementitious material longitudinally towards the die.

The cited references are: Merrill, 300,882, June 24, 1884; Hartman, 1,662,112, March 13, 1928; Sabine (British), 439,718, December 12, 1935; Moren, 2,025,419, December 24, 1935.

The application relates to a machine for making asbestos-cement pipe by extrusion. It is stated that the pipe is for use in conducting liquids under high pressure. The structure comprises a rigidly held stationary core concentrically placed within a stationary tubular die, a compression chamber at the inner end of the die tapering toward its outlet, and a feed screw or rotary auger for feeding the plastic material to the die. Between the inner end of the compression chamber and the discharge end thereof are rotary blades to direct the material longitudinally toward the die.

The Merrill patent relates to a drain tile machine and discloses a feed screw extruding clay material over a rotatable core fastened to the shaft of the screw, and a tapered compression chamber surrounding the core.

The Hartman patent is for an extrusion machine used in the making of bricks, hollow tile and other clay products by forcing clay and the like through a die. It discloses a feed screw and a tapered chamber between the discharge end thereof and the inner end of the outlet chamber. It also discloses blades on the shaft beyond the termination of the spiral feed.

The Sabine patent relates to a device used in the manufacture of clay sanitary pipes, chimney pots and the like by extrusion. It is substantially similar to the device of the application, the chief difference between the two structures being that the chamber surrounding the core of the patent flares toward its outer opening.

The Moren patent relates broadly to presses used in the extrusion of products made from clay, such as sewer pipes, conduits and the like. The device operates by plunger action on the clay, forcing it through a pressure chamber tapered from its inner to its outer ends and molded by passage over a cone into its final form. The cone is stationary and concentric to the body of pipe to be formed.

The Examiner rejected the claims for lack of invention over the Sabine patent in view of the patents to Moren or Merrill. He also added his rejection for lack of invention over the patent to Hartman in view of the Sabine patent.

The Board in its decision agreed with the reasoning of the Examiner.

The Sabine patent is the primary reference and appellant contends here, as he did below, that the patent does not clearly disclose a "stationary core rigidly held concentrically within the die." Upon that contention appellant chiefly relies, although he argues that the patents of the cited prior art all relate to clay extrusion machines which were not intended nor adapted to extrude asbestos-cement pressure pipe, which he says he was the first to produce in a commercially successful machine.

[1] It is quite true, as contended by appellant, that foreign patents are pertinent as prior art only by reason of what is clearly and definitely expressed in them. That they may be combined with other references to negative patentability is admitted by him.

In the structure of the Sabine patent the boss or extrusion end of the feed screw "rests," it is said, upon a center pin which is "carried by a single cross bar extending across the barrel." The pin "*assists* in supporting and locating the feed worm shaft and *may* as shown carry the cone." [Italics ours.] Appellant contends that the holding by the tribunals below; i. e., that the core in the Sabine device is stationary, is based on the assumption that it could be stationary but that it is not clearly shown in either the drawings or specification to be so. From that premise he contends that there is such lack of clarity in the Sabine patent that it may not be properly employed as a reference. In response to a request for reconsideration the Board reaffirmed the conclusion of its original decision, pointing out that the boss is said to "rest upon" the pin carried by the cross bar although not mentioned as either being rigid or secured to the boss. The expression "rest upon" convinced the Board that the pin was not secured to the boss. It further pointed out that the pin "may" carry the core, stating

> It appears obvious that if rotation of the core were desired or intended, the pin • • • would have to carry the core and be rigid with the core and the boss • • • as well. If this latter arrangement is what the patentee intended it would obviously have been described or rotation of the core • • • would at least have been mentioned.

It seems to us that if the pin "may" carry the core it is not intended that it should so do, and since in our opinion it does not, the core does not revolve with the movement of the feed-screw shaft. It must of necessity be stationary.

In our opinion the Sabine patent clearly discloses all of the elements of appellant's device except that of the compression chamber, which as has been heretofore noted is disclosed in the Moren and Merrill devices.

[2] Subsequent to the decision of the Examiner, and prior to that of the Board, an affidavit of the treasurer of appellant's assignee was filed. It is stated therein that patents were granted appellant in several foreign countries on the same device. Such statements, however, taking them at their full value in connection with the application here involved and the prior art, cannot lend patentability to the rejected claims.

[3] Apparently appellant is the pioneer in the production of a commercially successful machine for the manufacture by extrusion of asbestos-cement pipe. However, unless we should hold that the references are from a non-analogous art, we would be unable to hold his claims patentable. There is nothing in the record to indicate that any distinction is to be made between pipes made by extrusion of clay and those made by extrusion of asbestos-cement. Both the application and the cited references are seemingly in the hollow pipe and tile producing art.

The decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE SWAIN

No. 5,199. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 240]

1. APPEAL—BRIEF.
   "With the exception of the Ripper patent there is nothing in the record supporting appellant's contention that the resins used in the Griessbach et al. patents would ordinarily be classed as soluble in formaldehyde. Statements to that effect in the brief, without support in the record, cannot, of course, be considered."
2. PATENTABILITY—PURIFICATION OF FORMALDEHYDE.
   Certain claims to a process of purifying aqueous solutions of formaldehyde contaminated with ionic impurities *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. James Edwin Archer for Swain.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner finally rejecting claims 1, 2, 3, 8, and 9 of an application for a patent for "Purification and Stabilization of Formaldehyde." The Examiner allowed claims 6 and 7, and claims 4 and 5, rejected by him, were allowed by the Board.

Claims 1, 2, 3, 8, and 9 were rejected by both the Examiner and the Board as unpatentable over either of the patents to Griessbach et al., 2,223,930, December 3, 1940, and 2,228,514, January 14, 1941. Claims 8 and 9 were further rejected as drawn to non-elected subject matter. Those claims were properly rejected for the reason that in our opinion the generic claim, 1, was properly held to be unpatentable. This leaves for our consideration claims 1, 2, and 3, which read as follows:

1. In a process of purifying aqueous solutions of formaldehyde contaminated with ionic impurities, the step which includes contacting an aqueous solution containing formaldehyde and a contaminating anion with an anion active material, thereby obtaining a solution which does not contain any substantial amount of the contaminating anion.

2. A process for purifying aqueous solutions of formaldehyde contaminated with ionic impurities which includes the steps of passing a solution of formaldehyde and a contaminating cation through a cation active material, collecting the effluent which does not contain any substantial amount of the contaminating cation, passing the collected effluent through an anion active material, and collecting from the anion active material the effluent which does not contain any substantial amount of contaminating anions.

3. A process for purifying aqueous solutions of formaldehyde contaminated with ionic impurities which includes the steps of passing a solution of formaldehyde and a contaminating anion through an anion active material, collecting the effluent which does not contain any substantial amount of the contaminating anion, passing the collected effluent through a cation active material, and collecting from the cation active material the effluent which does not contain any substantial amount of contaminating cations.

The application relates to the removal of ionic impurities, which may be of two classes, anions and cations, from aqueous solutions of formaldehyde by treating them with resinous materials known as anion or cation exchange materials.

The patents to Griessbach et al. show resinous anion and cation exchange materials used in removing anion and cation impurities from solutions.

The processes of the prior art are not challenged in appellant's brief, the contention being there stated that the patents, while they show anion active materials or anion exchangers useful in removing anions (the acid ions) from water, they do not show the removal of such impurities from aqueous solutions containing such chemically reactive materials as formaldehyde. Appellant argues that one skilled in the art would assume that such solutions would dissolve the anion active resins instead of purifying them or cause contamination, for the reason that, he states, in the removal of impurities from aqueous solutions of formaldehyde the action of the anion exchangers in the prior art could not be predicted.

In support of his contention he cited the patent to Ripper, No. 1,817,931, in which it is shown that certain resins, not those of the Griessbach et al. patents, may be dissolved in a formaldehyde solution. It is stated in that patent that it has been the general opinion that final resin products "are insoluble in the usual solvents." The patentee includes formaldehyde, however, as a usual solvent. In pointing out that certain resins may be dissolved in formaldehyde, it is stated that such resins must be "in a fine state of division" and "with heat." It would seem that in the opinion of the patentee formaldehyde as a usual solvent might dissolve certain resins under certain conditions, and therefore we do not think he suggests that it was impossible to use resins in a formaldehyde solution for the purpose of removing impurities.

The Griessbach et al. patent, 2,223,930, discloses the identical process as rejected claims 1, 2, and 8 with the exception that the process is applied to "water or the like." We think it reasonable that the expression "water or the like" would be understood by one skilled in the art as including an aqueous solution of formaldehyde. There is nothing in any of the rejected claims to show the ratio between the formaldehyde and water, and certainly the solutions as defined there would be much more "like" water than straight formaldehyde.

[1] With the exception of the Ripper patent there is nothing in the record supporting appellant's contention that the resins used in the Griessbach et al. patents would ordinarily be classed as soluble in formaldehyde. Statements to that effect in the brief, without support in the record, cannot, of course, be considered.

[2] It is clear to us that claims 1, 2, and 3 are unpatentable over either of the Griessbach et al. patents, and the decision of the Board is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,751,464, W. A. Beck, Method of manufacturing leather; 2,102,667, G. M. Argabrite, Leather processing, filed Oct. 7, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1656, *W. L. Barie* v. *Superior Tanning Co.*

1,923,590, R. Schlemm, Bread toaster; 2,039,956, M. H. Graham, Automatic toaster; 2,036,178, L. V. Lucia, Automatic regulating means for variable time controls, filed Oct. 14, 1946, D. C., W. D. Mich., S. Div., Doc. 918, *McGraw Electric Co.* v. *Camfield Mfg. Co., Inc., et al.* Same, filed Oct. 12, 1946, D. C. Del., Doc. 954, *Camfield Mfg. Co.* v. *McGraw Electric Co.*

1,933,850, J. A. Gordon, Pitching horse shoes, filed Sept. 5, 1946, D. C., S. D. Calif., C. Div., Doc. 5731, *J. A. Gordon* v. *Hercules Forge Corp.*

2,036,178. (See 1,923,590.) 2,039,956. (See 1,923,590.)

2,102,667. (See 1,751,464.)

2,118,888, Lewis & Menihan, Master copy sheet, appeal filed Oct. 11, 1946, C. C. A., 2d Cir., Doc. 20373, *Old Town Ribbon & Carbon Co., Inc.*, v. *Columbia Ribbon & Carbon Mfg. Co., Inc.*

2,124,625, J. R. Marvin, Land leveler, filed Sept. 24, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5785WM, *Marvin Landplane Co.* v. *Pacific Supply Co.*

2,182,296, F. Lowy, Dart, filed Oct. 3, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1643, *F. Lowy* v. *Sport-Master Industries, et al.*

2,197,089, N. A. Anderson, Method and apparatus for making boxes, D. C., S. D. Ohio, W. Div., Doc. 199, *E. G. Staude Mfg. Co.* v. *R. M. Bergstein.* Order dismissing cause without prejudice Oct. 16, 1946.

2,207,437, Marks & Brown, Shoe and the manufacture thereof; 2,300,739, M. L. Brown, Insole; 2,320,321, same, Welt type shoe, D. C., E. D. Ky. (Catlettsburg), Doc. 72, *Mark L. Brown* v. *The L. V. Marks & Sons Co.* Dismissed with prejudice Aug. 28, 1946.

2,242,197, B. G. West et al., Sound reproducing system; 2,291,115, Stark & Leyrer, Wired music distribution system, filed Oct. 11, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5858, *Rodney Pantages, Inc.*, v. *Crystal Music Co.*

2,258,841, L. J. Biro, Fountain pen; 2,390,636, 2,397,229, same, Writing instrument, filed Oct. 7, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1655, *Eterpen Sociedad Anonima Financiera et al.* v. *Holly Pen Corp.*

2,291,115. (See 2,242,197.) 2,300,739. (See 2,207,437.)

2,310,254, E. Nassour, Apparatus for producing animated pictures, D. C., S. D. Calif., C. Div., Doc. 4617, *E. Nassour* v. *Plastic Cartoons, Inc., et al.* Stipulated judgment of dismissal with prejudice May 3, 1946.

2,320,321. (See 2,207,437.)

2,333,156, C. P. Dougherty, Lathe tool, filed Oct. 12, 1946, D. C., N. D. N. Y., Doc. 2754, *C. P. Dougherty* v. *Easy Washing Machine Corp.*

2,360,222, Gruening & Brinkman, Method of fabrication and erection of gas holders, filed Oct. 10, 1946, D. C., S. D. Ohio, W. Div., Doc. 1614, *Stacey Bros. Gas Construction Co.* v. *Stacey Mfg. Co.*

2,368,867, A. C. Olsen, Shingle fastening device; 2,404,245, same, Fastening device, filed Sept. 9, 1946, D. C., S. D. N. Y., Doc. 37/644, *The Patent Licensing Corp.* v. *A. C. Olsen.*

2,378,343, J. M. Walter, Machine tool guide way, filed Oct. 18, 1946, D. C., S. D. Ohio, W. Div., Doc. 1620, *The G. A. Gray Co.* v. *Cincinnati Planer Co.*

2,380,700, W. Lasar, Meat cutting machine, filed July 11, 1946, D. C., S. D. Calif., C. Div., Doc. 5549WM, *W. Lasar* v. *Kent Engineering Co.*

2,382,937. (See Des. 132,475.)

2,385,939, W. A. Pollock, Cable guide, filed Oct. 15, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5863–W, *W. A. Pollock* v. *California Shipbuilding Corp.*

2,390,636. (See 2,258,841.) 2,397,229. (See 2,258,841.)

2,404,245. (See 2,368,867.)

Re. 20,033, F. W. Hudson, Soft-rubber plug and socket body, D. C., S. D. Calif. (Los Angeles), Doc. 5360WM, *G. D. Hudson* v. *Electric Cords & Supply Co.* Consent decree favor plaintiff Oct. 4, 1946. Doc. 5361WM, *G. D. Hudson* v. *U. S. Rubber Co.* Decree as above.

Re. 22,624, J. S. Johnson, Floor furnace, filed Aug. 6, 1946, D. C., S. D. Calif., C. Div., Doc. 5627OC, *Holly Mfg. Co. et al* v. *De Luxe Furnace & Wall Heater Co.*

Re. 22,783, R. G. Le Tourneau, Scraper, filed Oct. 17, 1946, D. C., N. D. Calif. (Sacramento), Doc. 5667, *Wooldridge Mfg. Co.* v. *R. G. Le Tourneau, Inc.*

Des. 132,475, J. S. Hill, Self service display case; 2,382,937, Caulk, Jr., & Davis, Open refrigerated display case, filed Oct. 17, 1946, D. C., S. D. Ohio, W. Div., Doc. 1619, *C. V. Hill & Co., Inc.*, v. *Royal Store Equipment Distributors et al.*

T. M. 314,493, J. L. Younghusband, Lipstick and rouge, D. C., N. D. Ill., E. Div. Doc. 46c151, *Consolidated Cosmetics* v. *Congress Beauty Supply Co.* Decree granting injunction Aug. 20, 1946.

Trade-Mark Registrations Canceled

108,649. Certain named clothing. The Knorr-Schlaudt Notion Co., Hutchinson, Kans. Registered Feb. 22, 1916. Canceled Oct. 3, 1946.

110,139. Garden-hose. The Mechanical Rubber Co., Jersey City, N. J., New York, N. Y., and Cleveland, Ohio. Registered May 2, 1916. Canceled Sept. 25, 1946.

235,184. Sweaters and knitted scarfs. Red Feathers Repairs, Inc., New York, N. Y. Registered Nov. 15, 1927. Canceled Sept. 25, 1946.

273,229. General tonic. The Mon-Ark Medicine Corporation, Inc., Cincinnati, Ohio. Registered July 22, 1930. Canceled Oct. 3, 1946.

278,912. Liquid general tonic. Bach Laboratories, Inc., Newark, N. J. Registered Jan. 6, 1931. Canceled Sept. 25, 1946.

297,005. Certain named medicines. Landrum Leslie Medlock, Roscoe, Tex. Registered Aug. 30, 1932. Canceled Sept. 25, 1946.

303,500. Certain named clothing. David McCosker, Inc., New York, N. Y. Registered May 30, 1933. Canceled Sept. 25, 1946.

309,143. Wines. Fredonia Products Co. Inc., Fredonia, N. Y. Registered Jan. 2, 1934. Canceled Oct. 15, 1946.

327,275. Certain named foods. Horace Kay, New York, N. Y. Registered Aug. 20, 1935. Canceled Oct. 3, 1946.

358,116. Certain named medicines. Robert Harris, Los Angeles, Calif. Registered June 28, 1938. Canceled Sept. 25, 1946.

361,401. Certain named clothing. Trojan Maid, Incorporated, New York, N. Y. Registered Oct. 18, 1938. Canceled Oct. 15, 1946.

381,655. Gasoline sadirons. American Gas Machine Company, Inc., Albert Lea, Minn. Registered Oct. 1, 1940. Canceled Oct. 15, 1946.

389,329. Certain named clothing. Thebest Mills Co., New York, N. Y. Registered July 29, 1941. Canceled Sept. 25, 1946.

411,495. Cleaning fluid for type. W. R. Starkey, Kansas City, Mo. Registered Jan. 16, 1945. Canceled Sept. 25, 1946.

412,593. Certain named clothing. Miller Bros. & Libow, New York, N. Y. Registered Mar. 13, 1945. Canceled Oct. 15, 1946.

414,694. Wiping and cleaning paper. Arna M. Butz, Hartford, Conn. Registered June 19, 1945. Canceled Sept. 25, 1946.

416,064. Certain named detergents. Arna M. Butz, Hartford, Conn. Registered Aug. 21, 1945. Canceled Sept. 25, 1946.

416,303. Certain named wall coverings. United Wallpaper, Inc., Chicago, Ill. Registered Sept. 4, 1945. Canceled Sept. 25, 1946.

416,504. Certain named wallpaper. United Wallpaper, Inc., Chicago, Ill. Registered Sept. 18, 1945. Canceled Sept. 25, 1946.

418,271. Comic strip. United States War Department, Washington, D. C. Registered Dec. 11, 1945. Canceled Sept. 25, 1946.

419,587. Certain named oils. Exola Products Co., Los Angeles, Calif. Registered Feb. 26, 1946. Canceled Sept. 25, 1946.

420,355. Certain named publication. The Society of the Sigma XI, Incorporated, New Haven, Conn. Registered Apr. 2, 1946. Canceled Oct. 3, 1946.

421,969. Certain named paper and stationery. Gold Leaf and Metallic Powders Co., New York, N. Y. Registered June 25, 1946. Canceled Oct. 29, 1946.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Patents Dedicated to the Public

Air Filters—Group 35—64

The following patents and application owned by the American Air Filter Company, a corporation of Delaware, having a principal place of business at 215 Central Ave., Louisville, Ky., have been dedicated to the people of the United States of America by instrument recorded in the United States Patent Office on September 21, 1946.

The instrument reads in part as follows:

—does hereby assign and transfer to the people of the United States of America the entire right, title and interest in and to the United States Letters Patent and patent applications listed—

Pat. 1,738,249. AIR AND GAS FILTER. Patented Dec. 3, 1929.

Pat. 1,743,675. AIR FILTER. Patented Jan. 14, 1930.

Pat. 1,746,283. AIR FILTER. Patented Feb. 11, 1930.

Pat. 1,747,694. AIR FILTER. Patented Feb. 18, 1930.

Pat. 1,751,999. APPARATUS FOR FILTERING AIR. Patented Mar. 25, 1930.

Pat. 1,753,653. AIR FILTER. Patented Apr. 8, 1930.

Pat. 1,757,690. FILTER MAT. Patented May 6, 1930.

Pat. 1,758,881. FILTRATION MEDIUM. Patented May 13, 1930.

Pat. 1,765,720. AIR AND GAS FILTER. Patented June 24, 1930.

Pat. 1,771,639. AIR FILTER. Patented July 29, 1930.

Pat. 1,771,846. AIR FILTER. Patented July 29, 1930.

Pat. 1,783,194. APPARATUS FOR CLEANING AIR-FILTER CELLS. Patented Dec. 2, 1930.

Pat. 1,786,208. DUST SEPARATOR. Patented Dec. 23, 1930.

Pat. 1,788,164. AIR FILTER. Patented Jan. 6, 1931.

Pat. 1,789,931. AIR FILTER. Patented Jan. 20, 1931.

Pat. 1,794,115. AIR FILTER. Patented Feb. 24, 1931.

Pat. 1,806,898. AUTOMATIC SELF-CLEANING AUTOMOBILE FILTER. Patented May 26, 1931.

Pat. 1,807,950. CLEANING SYSTEM AND DEVICE FOR AIR FILTERS. Patented June 2, 1931.

Pat. 1,807,983. AIR OR GAS PURIFIER. Patented June 2, 1931.

Pat. 1,807,984. AIR FILTER. Patented June 2, 1931.

Pat. 1,816,836. PROCESS FOR CLEANING AND COATING AIR FILTERS. Patented Aug. 4, 1931.

Pat. 1,816,854. FILTER APPARATUS. Patented Aug. 4, 1931.

Pat. 1,816,855. FILTER APPARATUS. Patented Aug. 4, 1931.

Pat. 1,821,211. DOUBLE PASSAGE FILTER AND CLOSURE FOR THE SAME. Patented Sept. 1, 1931.

Pat. 1,831,782. AUTOMATIC SPRAY HEADER FOR HORIZONTAL SELF-CLEANING FILTERS. Patented Nov. 10, 1931.

Pat. 1,834,534. PLATE FOR AIR FILTERS. Patented Dec. 1, 1931.

Reg. 18,328. METHOD FOR CLEANING AND CHARGING AIR FILTER MEDIUMS. Patented Jan. 12, 1932.

Pat. 1,841,536. FILTERS FOR GAS, AIR AND THE LIKE. Patented Jan. 19, 1932.

Pat. 1,848,334. AIR CLEANER. Patented Mar. 8, 1932.

Pat. 1,865,245. APPARATUS FOR CLEANING AND CHARGING AIR FILTERS. Patented June 28, 1932.

Pat. 1,870,196. AIR FILTER. Patented Aug. 2, 1932.

Pat. 1,895,597. AUTOMATIC FLUSHING DEVICE. Patented Jan. 31, 1933.

Pat. 1,895,618. AIR FILTER DEVICE. Patented Jan. 31, 1933.

Pat. 1,895,619. AIR CLEANER. Patented Jan. 31, 1933.

Pat. 1,895,642. FILTER UNIT. Patented Jan. 31, 1933.

Pat. 1,899,007. RENEWABLE FILTER. Patented Feb. 28, 1933.

Pat. 1,899,017. APPARATUS FOR FILTERING AIR. Patented Feb. 28, 1933.

Pat. 1,899,018. FILTER. Patented Feb. 28, 1933.

Pat. 1,899,028. AIR FILTER. Patented Feb. 28, 1933.

Pat. 1,913,885. MEANS FOR CLEANING AIR FILTERS. Patented June 13, 1933.

Pat. 1,926,933. AIR FILTER. Patented Sept. 12, 1933.

Pat. 1,941,450. AIR FILTER. Patented Jan. 2, 1934.

Pat. 1,941,524. AIR FILTER APPARATUS. Patented Jan. 2, 1934.

Pat. 1,949,540. AIR FILTER. Patented Mar. 6, 1934.

Pat. 1,978,459. FAN OR BLOWER HOUSING. Patented Oct. 30, 1934.

Pat. 1,995,378. AIR FILTER. Patented Mar. 26, 1935.

Pat. 2,029,406. AIR OR GAS FILTER UNIT. Patented Feb. 4, 1936.

Pat. 2,056,001. IMPERMANENT AIR FILTER MEDIUM. Patented Sept. 29, 1936.

Pat. 2,167,323. FILTERING MEDIUM FOR AIR FILTERS. Patented July 25, 1939.

Pat. 2,220,347. AUTOMATIC STACK TYPE AIR FILTER. Patented Nov. 5, 1940.

Application Serial No. 442,742. BLOWER. Filed May 13, 1942.

The above listed patents and application are all directed to removing dust or other foreign matter from air. Construction and operation of various types of filters and filter mediums are described. Use of filters for different types of installations is set forth in some of the patents.

Methods of coating and cleaning filters without removing them from the operating unit are described in several of the patents. Group 35—64.

A brief description of the above patents will be included in the "Supplement" to Dedicated Patents to be published about November 15, 1946.

Copies of the supplement will be mailed upon request.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 19, 1946

[VOL. 592. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 491,481. KERR DENTAL MANUFACTURING COMPANY, Detroit, Mich., now by change of name to Kerr Manufacturing Company. Filed Nov. 13, 1945.

FERROLITE

FOR INVESTMENT COMPOUNDS OF A CERAMIC NATURE USED IN THE MAKING OF MOLDS FOR PRECISION CASTINGS AND SOLD TO THE TRADE IN POWDERED FORM.

Claims use since Oct. 4, 1945.

Ser. No. 496,287. UNION BAY STATE CHEMICAL CO., INC., Cambridge, Mass. Filed Feb. 8, 1946.

CHLOR-ISOPOL

Applicant is the owner of Regs. Nos. 409,158 and 418,895. No claim is made to the word "Chlor" apart from the mark.

FOR CHLORINATED SYNTHETIC RUBBER IN POWDER FORM.

Claims use since Jan. 22, 1946.

Ser. No. 500,429. TWIN CITY SEED COMPANY, Minneapolis, Minn. Filed Apr. 17, 1946.

PRIDESOY

FOR SOY BEAN SEEDS.

Claims use since Feb. 23, 1944.

Ser. No. 502,650. MCCALLUM, DEVITT & FORD, Chicago, Ill. Filed May 23, 1946.

PAULITE

FOR LUMINESCENT PLASTIC MOLDING POWDERS.

Claims use since Mar. 18, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 484,507. TADO HANDBAGS, Chicago, Ill., assignor to Tado Hand Bags, Inc., Chicago, Ill., a corporation of Illinois. Filed June 13, 1945.

TADO

FOR LADIES' HANDBAGS.

Claims use since December 1943.

Ser. No. 498,505. C. R. DANIELS, INC., Hillsdale, Baltimore, Md. Filed Mar. 19, 1946.



No claim is made to the words "Sporting Goods" apart from the mark.

FOR DUFFEL BAGS, KNAPSACKS, AND UNIFORM BAGS.

Claims use since May 21, 1945.

Ser. No. 504,692. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed June 27, 1946.

SIR

FOR TRAVEL CASES.
Claims use since May 17, 1946.

Ser. No. 504,968. ELBAS INC., New York, N. Y. Filed July 2, 1946.

"ELBAS"

FOR CHILDREN'S HANDBAGS.
Claims use since May 22, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 482,216. NOBLE CHEMICAL CORPORATION, Chicago, Ill. Filed Apr. 16, 1945.

ALKATROL
ELECTRONIC

FOR CHEMICAL CLEANING COMPOUNDS FOR WASHING DISHES, BOTTLES AND OTHER CONTAINERS—NAMELY, SOLUBLE SALTS FOR HARDNESS CONTROL, WETTING, ACIDIFYING, AND ALKALIZING CHEMICAL AGENTS, ALONE OR IN COMBINATION.
Claims use since Jan. 4, 1943.

Ser. No. 483,321. INTERNATIONAL METAL POLISH CO., INC., Indianapolis, Ind. Filed May 14, 1945.

Blue Ribbon

FOR RUBBING COMPOUND ADAPTED FOR CLEANING METAL, LACQUERED AND ENAMELD SURFACES, REFLECTOR POLISH, CAR WASH, SILVER POLISH, METAL POLISH, SADDLE SOAP, STOVE POLISH, CHROMIUM POLISH, GLASS CLEANING SOLUTIONS OR CLEANERS, AUTO BODY CLEANERS IN LIQUID AND PASTE FORM, NEAT'S-FOOT OIL COMPOUND, AUTO TOP DRESSING, RUBBER DRESSING, CLEANING COMPOUND IN PASTE FORM FOR METALLIC AUTO FINISH AND FOR LACQUERED AND ENAMELED SURFACES, CHROMIUM POLISH, DRY CLEANER, TAR AND WAX REMOVING COMPOUND, GLASS CLEANER AND CHEMICALLY TREATED POLISHING CLOTHS, CLEANING PREPARATION FOR UPHOLSTERY, FABRICS AND RUBBER SURFACES, CLEANING PREPARATION FOR CLEANING STAINS AND INSECTS FROM VEHICLE SURFACES, WAX AID COMPOSED OF DIATOMACEOUS EARTH AND POWDERED WAX.

Claims use on reflector polish since March 1912; on silver polish since February 1910; on metal polish since January 1905; on stove polish since February 1915; on chromium polish since February 1935; on glass cleaning solutions or cleaners since February 1930; on auto body cleaners in liquid and paste form since April 1932; on rubbing compound adapted for cleaning metal, lacquered and enameled surfaces since March 1933; on car wash since January 1938; on cleaning preparation for upholstery, fabrics and rubber surfaces since April 1933; on cleaning preparation for cleaning stains and insects from vehicle surfaces since September 1936; on wax aid since January 1935; on saddle soap since January 1942; on neat's-foot oil compound since April 1917; on auto top dressing since January 1915; on rubber dressing since May 1933; on cleaning compound in paste form for metallic auto finish and for lacquered and enameled surfaces since April 1933; on dry cleaner since August 1925; on tar and wax removing compounds since October 1930; on glass cleaner since February 1930; and on chemically treated polishing cloths since April 1930.

Ser. No. 486,546. PIEZO MANUFACTURING CORPORATION, New York, N. Y. Filed July 31, 1945.

Piezo

FOR CLEANERS, SOAPS AND CLEANING COMPOUNDS FOR CLEANING GLASS WARE, DISHES, SILVER WARE, CHINA, KITCHEN WARE, AND SIMILAR ARTICLES.
Claims use since July 15, 1945.

Ser. No. 491,154. A. P. DESANNO & SON, INC., Phoenixville, Philadelphia, Pa. Filed Nov. 6, 1945.

RADIAC
RES-N-OID

The term "Res-N-Oid" is claimed only in the association shown.
FOR RESIN BONDED GRINDING WHEELS.
Claims use since Sept. 1, 1945.

Ser. No. 491,476. JOSEPH HANDLER, doing business as Mercer Oil & Chemical Co., Philadelphia, Pa. Filed Nov. 13, 1945.

Betty Jane
SPOT REMOVER

No claim is made to the words "Spot Remover" except in the association shown. The drawing is lined for the color red.
FOR CLEANING FLUID.
Claims use since Aug. 17, 1945.

Ser. No. 494,217. M. LEO HEIM, Brooklyn, N. Y. Filed Jan. 3, 1946.

HELOZ

FOR SOAPS, SOAP POWDER, SOAP CAKES, SHAVING CREAM, CLEANING COMPOSITIONS FOR GLASS, PORCELAIN, MARBLE, WALLS, PAINTED SURFACES, LINOLEUM, CARPETS, LEATHER, AND CLOTH, SUCH AS COTTON, WOOL, SILK, RAYON, AND COMPOSITIONS FOR POLISHING AND WAXING METALS AND LEATHER.
Claims use since Oct. 15, 1945.

Ser. No. 494,693. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y. Filed Jan. 12, 1946.

PUR-A-CAN

No claim is made to the word "Can" nor to the representation of a can apart from the mark.
FOR PREPARATION FOR CLEANING CREAM AND MILK CANS.
Claims use since Sept. 18, 1944.

Ser. No. 496,574. RICHMOND-PHILLIPS, New York, N. Y. Filed Feb. 14, 1946.

Squire

FOR SOAPS, SHAVING SOAPS, SHAVING CREAMS, SHAVING SOAP POWDER, SHAVING SOAP STICKS AND LIQUID DETERGENTS USED AS SKIN, HAIR AND SCALP CLEANSERS.
Claims use since Dec. 20, 1945.

Ser. No. 496,659. JOSEPH F. PIEPER, Covington, Ky. Filed Feb. 15, 1946.

Jos F. Pieper

The mark consists of the facsimile signature of the applicant.
FOR SILVER POLISH AND A JEWEL CLEANER.
Claims use since Feb. 8, 1946.

Ser. No. 496,980. PREEN PRODUCTS, Minneapolis, Minn. Filed Feb. 20, 1946.

PREEN

FOR HAND CLEANER.
Claims use since Jan. 29, 1946.

Ser. No. 497,007. AFFILIATED RETAILERS, INC., New York, N. Y. Filed Feb. 21, 1946.

ARGON

FOR DRY CLEANER.
Claims use since Dec. 15, 1945.

Ser. No. 497,089. GENERAL SOLVENTS SALES COMPANY, INC., Rochester, N. Y. Filed Feb. 23, 1946.

DEGREASOL

FOR LIQUID SOLVENT AND CLEANER FOR REMOVING TAR, WAX, OIL AND GREASE FROM METAL, FABRIC AND OTHER SURFACES.
Claims use since Dec. 7, 1945.

Ser. No. 498,696. THE HERBERT CHEMICAL COMPANY, Cincinnati, Ohio. Filed Mar. 21, 1946.

METALOX

FOR SOLVENT MATERIAL TO BE SOLD TO PRINTERS FOR CLEANING TYPE AND ROLLERS.
Claims use since Feb. 15, 1936.

Ser. No. 498,783. EDW. LIVINGSTON & SONS, Kansas City, Mo. Filed Mar. 22, 1946.

ELCO

FOR DISH CLEANING PREPARATION, SOAP POWDER, ALUMINUM CLEANING PREPARATION, GLASS CLEANING PREPARATION, MECHANIC'S SOAP, AND CONCRETE CLEANING PREPARATION.
Claims use since January 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 444,282. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed June 6, 1941.

CIBA

FOR COAL TAR COLORS, COLORING MATTERS, DYESTUFFS (SYNTHETIC); CHEMICAL SUBSTANCES USED IN INDUSTRY FOR THE TREATMENT OF TEXTILE MATERIALS (TEXTILE ASSISTANTS AND AUXILIARIES); SYNTHETIC TANNING AGENTS.
Claims use since Feb. 2, 1906.

Ser. No. 444,284. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed June 6, 1941.

CIBA

FOR COAL TAR COLORS, COLORING MATTERS, DYESTUFFS (SYNTHETIC); CHEMICAL SUBSTANCES USED IN INDUSTRY FOR THE TREATMENT OF TEXTILE MATERIALS (TEXTILE ASSISTANTS AND AUXILIARIES); SYNTHETIC TANNING AGENTS.
Claims use since Mar. 28, 1907.

Ser. No. 484,162. CAMPBELL PRODUCTS, INC., New York, N. Y. Filed June 5, 1945.

NOVATROSYN

FOR DERIVATIVE OF ATROPINE, SYNTHETICALLY PREPARED.
Claims use since May 28, 1945.

Ser. No. 484,860. JENNIE STERN, doing business as J. Stern Pharmacy and Stern Pharmacists, Philadelphia, Pa. Filed June 21, 1945.

RAF

FOR PREPARATION USED IN THE TREATMENT OF ATHLETE'S FOOT.
Claims use since June 6, 1945.

Ser. No. 489,599. NEILSON CHEMICAL COMPANY, Detroit, Mich. Filed Oct. 8, 1945.

CHEM-TREET

No claim is made to the word "Treet" apart from the mark.
FOR CHEMICAL PREPARATION FOR REMOVING GREASE, KILLING RUST AND CLEANING AND PREPARING METAL SURFACES FOR PAINTING.
Claims use since December 1938.

Ser. No. 491,150. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Nov. 6, 1945.

FOR PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; SPRAY ADJUVANTS, HERBICIDES AND COMPOUNDS WHICH INFLUENCE SPECIFIC PHYSIOLOGICAL PROCESSES IN PLANTS.
Claims use since Sept. 11, 1945.

Ser. No. 492,132. DUART MANUFACTURING CO., LTD., San Francisco, Calif. Filed Nov. 24, 1945.

V-10

FOR CHEMICAL HAIR WAVING PADS AND PERMANENT HAIR WAVING SOLUTION.
Claims use since Oct. 1, 1940.

Ser. No. 497,281. VINELAND PRODUCTS CORP., Vineland, N. J. Filed Feb. 26, 1946.

EASTER MORN

The word "Easter" is disclaimed apart from the mark.
FOR EASTER EGG COLORS.
Claims use since Oct. 1, 1945.

Ser. No. 498,692. SAMUEL GREENBLATT, doing business as Monogram Soap Company, Hollywood, Calif. Filed Mar. 21, 1946.

HI DAD!

FOR COLOGNE, AFTER-SHAVE, AND TALCUM.
Claims use since Oct. 1, 1944.

Ser. No. 499,922. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Apr. 9, 1946.

PARAMINS

FOR COMPOUND FOR REDUCING COLD TESTS AND VISCOSITY OF OILS.
Claims use since Sept. 18, 1945.

Ser. No. 499,973. U. S. VITAMIN CORPORATION, New York, N. Y. Filed Apr. 10, 1946.

AMIPROTE

FOR BRAND OF PROTEIN HYDROLYSATES PROVIDING AMINO ACIDS AND POLYPEPTIDES DERIVED FROM PROTEINS OF ANIMAL AND VEGETABLE SOURCES, TO BE USED AS A PROTEIN SUPPLEMENT IN NUTRITION AND FOR THERAPEUTIC USE IN INCREASING THE AMINO ACID INTAKE.
Claims use since Jan. 29, 1946.

Ser. No. 501,447. THE FLINTKOTE COMPANY, New York, N. Y. Filed May 4, 1946.

Amicide

FOR DISINFECTING, STERILIZING, AND SANITIZING COMPOUND.
Claims use since July 19, 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 485,987. CHAMPAGNE, PAPER CORPORATION, Pisgah Forest, N. C. Filed July 19, 1945.

CHAMP
Pipe Papers

The words "Pipe Papers" are disclaimed apart from the mark.
FOR BOOKLETS OF PAPER SHEETS FOR USE IN FORMING POUCHES FOR SMOKING TOBACCO AND ADAPTED FOR INSERTION INTO A BOWL.
Claims use since July 2, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 498,563. GREAT LAKES STEEL CORPORATION, Wilmington, Del., and Ecorse, Mich. Filed Mar. 15, 1946.

Quonset

FOR READILY ERECTABLE BUILDINGS, KNOCK-DOWN BUILDINGS, PORTABLE BUILDINGS, AND PREFABRICATED BUILDINGS.
Claims use since September 1941.

Ser. No. 499,113. BROWN COMPANY, Berlin, N. H., assignor to State Street Trust Company, Boston, Mass., a corporation of Massachusetts, trustee. Filed Mar. 28, 1946.

BERMICO

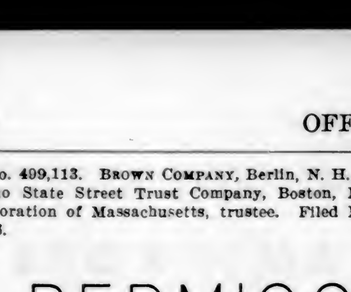
FOR FIBRE CONDUITS OR PIPES BOTH PERFORATED AND UNPERFORATED FOR SEWAGE DISPOSAL, DRAINAGE, IRRIGATION AND DISPERSION OF LIQUID EFFLUENT.
Claims use since Oct. 23, 1944.

Ser. No. 499,975. WEYERHAEUSER SALES COMPANY, St. Paul, Minn. Filed Apr. 10, 1946.

4-SQUARE

No claim is made to the word "Square" apart from the mark.
FOR ROUGH AND DRESSED LUMBER, MILLWORK, SHAKES, AND SHINGLES.
Claims use since Apr. 28, 1933.

Ser. No. 499,976. WEYERHAEUSER SALES COMPANY, St. Paul, Minn. Filed Apr. 10, 1946.



No claim is made to the word "Square" apart from the mark.
FOR ROUGH AND DRESSED LUMBER, MILLWORK, SHAKES, AND SHINGLES.
Claims use since Apr. 28, 1933.

Ser. No. 503,956. TIMBER STRUCTURES, INC., Portland, Oreg. Filed June 14, 1946.

"Aero-Quad"

FOR PREFABRICATED AIRPLANE HANGERS MADE PRINCIPALLY OF WOOD.
Claims use since May 1946.

CLASS 13

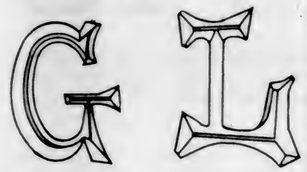
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 497,226. BOLTA PRODUCTS, INC., Lawrence, Mass. Filed Feb. 26, 1946.

NYLO-ZIP

The word "Zip" is disclaimed apart from the mark.
FOR SLIDING CLASP FASTENERS.
Claims use since Jan. 10, 1946.

Ser. No. 499,948. GLASER LEAD CO., INC., Brooklyn, N. Y. Filed Apr. 10, 1946.



FOR FLEXIBLE COUPLINGS.
Claims use since Dec. 7, 1945.

Ser. No. 500,171. ALEXANDER H. ISENBERG, doing business as Durant Insulated Pipe Company, Palo Alto, Calif. Filed Apr. 13, 1946.



FOR THERMAL INSULATED PIPE AND FITTINGS AND SEPARATE PARTS OF SAME.
Claims use since July 10, 1945.

Ser. No. 506,531. ALEXANDER H. ISENBERG, doing business as Durant Insulated Pipe Company, Palo Alto, Calif. Filed July 30, 1946.



FOR THERMAL INSULATED PIPE AND FITTINGS AND SEPARATE PARTS OF SAME.
Claims use since July 10, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 467,978. DONALD A. MORAND, doing business as East Side Tool and Die Works, Portland, Oreg. Filed Mar. 4, 1944.

ESTAD

FOR METAL STAMPINGS.
Claims use since Feb. 4, 1941.

Ser. No. 489,573. ECOFIX LIMITED, Camberley, England. Filed Oct. 8, 1945.

ECOFIX

FOR PLATES AND STRIPS OF COMMON METAL OR METAL ALLOYS.
Claims use since November 1944.

Ser. No. 493,541. CHARLES G. FALLON, Boston, Mass. Filed Dec. 19, 1945.

TAILORED TUBING

No claim is made to the word "Tubing" apart from the mark.
FOR PRECISION TUBING MANUFACTURED FROM STEEL, FERROUS AND NON-FERROUS METAL AND PLASTIC MATERIAL, FOR USE IN THE MANUFACTURE OF SHAFTS, SLEEVES, CYLINDERS, AND COLLARS.
Claims use since Jan. 1, 1945.

Ser. No. 496,240. HUNTER ENGINEERING CO., Riverside, Calif., assignor to Hunter Douglas Corporation, a corporation of California. Filed Feb. 8, 1946.

FLEXALUM

FOR METAL STOCK IN BOTH COIL AND FLAT FORM FROM WHICH VENETIAN BLIND SLATS ARE MADE.
Claims use since Dec. 3, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 474,790. DIAMOND PRODUCTS MFG. CO., INC., New York, N. Y. Filed Oct. 2, 1944.



The drawing is lined to represent red color.
FOR VARNISH AND FILLER FOR THE PORES OF PANAMA STRAW HATS.
Claims use since 1941.

Ser. No. 496,243. GEORGE KAY, West Orange, N. J. Filed Feb. 8, 1946.

ASBESTO-LITE

FOR PAINT IN DRY POWDER FORM.
Claims use since Feb. 1, 1945.

Ser. No. 498,300. MIDLAND LABORATORIES, Dubuque, Iowa. Filed Mar. 15, 1946.



FOR WAXES FOR FLOORS AND FURNITURE AND POLISHES FOR AUTOMOBILES, FLOORS, AND FURNITURE.
Claims use since Feb. 28, 1946.

Ser. No. 500,142. STANDARD VARNISH WORKS, Staten Island, N. Y. Filed Apr. 12, 1946.

ALPO

FOR BAKING ENAMEL APPLIED TO METAL, PLASTIC, AND COMPOSITION SURFACES.
Claims use since Jan. 29, 1946.

CLASS 19

VEHICLES

Ser. No. 484,519. COMET CLASS YACHT RACING ASSOCIATION, New York, N. Y. Filed June 14, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



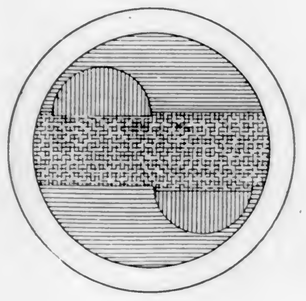
FOR SAIL BOATS AND BOAT SAILS.
Claims use since June 1934.

Ser. No. 491,879. VERNON W. PAYNE, St. Louis, Mo. Filed Nov. 19, 1945.

KNIGHT TWISTER

FOR AIRPLANES AND STRUCTURAL PARTS THEREFOR.
Claims use since 1931.

Ser. No. 495,202. WARREN MCARTHUR CORPORATION, Bantam, Conn. Filed Jan. 22, 1946.



The drawing is lined for yellow, red, and blue coloring.
FOR SEATS FOR USE IN AIRCRAFT AND RAILROAD CARS.
Claims use since June 1942.

Ser. No. 497,908. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Mar. 8, 1946.



The lining in the accompanying drawing indicates gold coloring.
FOR BICYCLES.
Claims use since Feb. 19, 1946.

Ser. No. 497,909. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Mar. 8, 1946.



The lining in the accompanying drawing indicates gold coloring.
FOR BICYCLES.
Claims use since Feb. 19, 1946.

Ser. No. 499,721. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif. Filed Apr. 5, 1946.

CONSTELLATION

FOR AIRPLANES AND STRUCTURAL PARTS THEREFOR.
Claims use since November 1945.

Ser. No. 499,722. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif. Filed Apr. 5, 1946.

ZENITH

FOR AIRPLANES AND STRUCTURAL PARTS THEREFOR.
Claims use since Feb. 19, 1946.

Ser. No. 499,882. ALLIED AMERICAN STEEL CORPORATION, Chicago, Ill. Filed Apr. 9, 1946.

MOTHER'S HELPER

FOR CHILDREN'S STROLLERS.
Claims use since Mar. 1, 1946.

Ser. No. 500,163. CHARLES S. BRUNK, doing business as American Manufacturing Co. of L. A., Culver City, Calif. Filed Apr. 13, 1946.

MOBILGLIDE

FOR TRAILER VEHICLES.
Claims use since May 29, 1945.

Ser. No. 500,576. SALEM STEEL & SUPPLY CO., Salem, Oreg., assignor to Xpediter Corporation, Seattle, Wash., a corporation of Washington. Filed Apr. 19, 1946.

Xpediter

FOR MOTORIZED TRUCKS.
Claims use since Jan. 1, 1944.

Ser. No. 500,711. T. & V. TRAILER COACH MFG. CO., Houston, Tex. Filed Apr. 22, 1946.

PRINCESS

FOR TRAILER COACHES.
Claims use since Apr. 5, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 488,563. BENDIX AVIATION CORPORATION, North Hollywood, Calif. Filed Sept. 17, 1945.

MOTORDYNE

FOR ELECTRICALLY ACTUATED VALVES CONSISTING OF ASSEMBLIES EACH INCORPORATING A VALVE ELEMENT AND AN ELECTRIC MOTOR ELEMENT FOR OPERATION THEREOF.
Claims use since June 30, 1945.

Ser. No. 489,707. ARKWRIGHT, INCORPORATED, New York, N. Y. Filed Oct. 10, 1945.

STRAT-O-MASTER
BY ARKWRIGHT

Applicant disclaims the name "Arkwright" and the word "By" aside from the mark as shown.
FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since Sept. 10, 1945.

Ser. No. 494,139. SURELINE MANUFACTURING CO., Chicago, Ill. Filed Dec. 29, 1945.

SURELINE

FOR AUTOMOBILE REPAIR AND REPLACEMENT PARTS, PARTICULARLY FOR AUTOMOBILE IGNITIONS—NAMELY, CONTACTS AND CONTACT POINTS, BRUSHES, BUSHINGS, LIGHT AND HORN RELAYS, DISTRIBUTOR CAPS AND ROTORS, CONDENSERS, CUT-OUTS, VOLTAGE REGULATORS, STARTER SWITCHES, DIMMER SWITCHES AND RELAYS, STARTER DRIVE SPRINGS AND PARTS, AND COILS.
Claims use on contacts and contact points, brushes, bushings, and light and horn relays since Mar. 31, 1939; on distributor caps and rotors, condensers, cut-outs, voltage regulators, starter switches, dimmer switches and relays, and starter drive springs and parts since June 30, 1940; and on coils since Jan. 31, 1945.

Ser. No. 496,913. O. M. KNOFF, INC., New York, N. Y. Filed Feb. 19, 1946.

OKUSA

FOR ELECTRIC BELLS; ELECTRIC BUZZERS; ELECTRIC TRANSFORMERS; ELECTRIC MOTORS; ELECTRIC EXTENSION CORDS; ELECTRIC SWITCHES; ELECTRIC FUSE PLATES; ELECTRIC FUSE PLATES AND SWITCHES; ELECTRIC LIGHT SOCKETS; ELECTRIC FLOOR AND WALL PLUGS; ELECTRIC FUSE BOXES; ELECTRIC SWITCH BOXES; ELECTRIC SWITCH AND WALL PLUG PLATES; ELECTRIC KNIFE SWITCHES; ELECTRIC OUTLET BOXES AND FITTINGS THEREFOR; ELECTRIC CONDUIT PIPES AND FITTINGS THEREFOR; ELECTRIC INSULATORS; ELECTRIC LIGHT BULBS AND FLUORESCENT LAMPS; ELECTRIC HEATING UNITS FOR HEATERS AND SMOOTHING IRONS; ELECTRIC FUSES; ELECTRIC WIRE AND CABLE; ELECTRIC LIGHTING FIXTURES, AND PORCELAIN SURFACED RECEPTACLES FOR RECEIVING BOTH AMERICAN TYPE STANDARD FLAT AND EUROPEAN TYPE ROUND PRONG PLUGS.
Claims use since Feb. 15, 1941.

Ser. No. 500,339. THE YALE & TOWNE MANUFACTURING COMPANY, New York, N. Y. Filed Apr. 16, 1946.

ATCO

FOR ELECTRICALLY OPERATED TRUCKS USED IN LIFTING, TRANSFERRING, AND STACKING OF MERCHANDISE.
Claims use since June 13, 1945.

Ser. No. 501,178. ROLAND A. FLETCHER, San Diego, Calif. Filed Apr. 30, 1946.

RISE-N-SHINE

FOR WEIGHT-ACTUATED ELECTRIC SWITCHES FOR NIGHT LAMPS.
Claims use since Feb. 12, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 493,696. THE SALLOU MANUFACTURING CO., INC., Rutherford, N. J. Filed Dec. 21, 1945.

CATA-BO

FOR TOY BOMBS AND MANIPULATING DEVICES THEREFOR.
Claims use since Oct. 1, 1945.

Ser. No. 507,479. MASON TACKLE, Otisville, Mich. Filed Aug. 15, 1946.

BLUEGILL

FOR FISHING LINE LEADERS.
Claims use since 1938.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 491,736. RICHARD SCHMACHTENBERG, Union, N. J. Filed Nov. 16, 1945.



REDHEAD

The picture forming a part of the mark is a fanciful representation of the head of a girl.
FOR KNIVES AND SCISSORS MADE OF BASE METAL.
Claims use since Oct. 14, 1945.

Ser. No. 493,624. ROBBINS & MYERS, INC., Springfield, Ohio. Filed Dec. 20, 1945.

MOYNO

FOR ROTARY PUMPS AND COMPRESSORS.
Claims use since Sept. 1, 1937.

Ser. No. 495,211. RODGER F. BECKER, doing business as Kalamazoo Aero-Motive Manufacturing Company, Kalamazoo, Mich. Filed Jan. 23, 1946.

AeroMotive

FOR AUTOMOTIVE RADIATOR FLUSHING GUN.
Claims use since Apr. 15, 1945.

Ser. No. 499,866. TOBACCO MACHINE SUPPLY COMPANY, INC., Linden, N. J. Filed Apr. 8, 1946.

TMSCo

FOR TOBACCO MACHINES—NAMELY, (*a*) BUTT CUTTING MACHINES; (*b*) TOBACCO STRIPPING AND BOOKING MACHINES; (*c*) SHORT FILLER BUNCH MACHINES; (*d*) LONG FILLER BUNCH MACHINES; AND (*e*) CIGAR ROLLING MACHINES.
Claims use since May 15, 1935.

Ser. No. 499,977. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 10, 1946.



The word "Metal" and the representation of the shafting are disclaimed apart from the mark. The trade-mark consists of the words "Metal Muscles" associated with the figure of a man and three lengths of curvedly conforming flexible mechanical shafting relatively spaced apart, shown in the accompanying drawing.
FOR FLEXIBLE SHAFTING.
Claims use since Dec. 28, 1945.

Ser. No. 499,978. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 10, 1946.

METAL MUSCLES

The word "Metal" is disclaimed apart from the mark.
FOR FLEXIBLE MECHANICAL SHAFTING.
Claims use since Dec. 28, 1945.

Ser. No. 500,566. PEERLESS PRODUCTS CO., Memphis, Tenn. Filed Apr. 19, 1946.

Upsy-Dazy

FOR AUTOMOBILE JACKS.
Claims use since Mar. 22, 1946.

Ser. No. 501,111. THE J. B. BEAIRD COMPANY, INC., Shreveport, La. Filed Apr. 29, 1946.

Challenger

FOR MACHINES FOR DEHYDRATING RAW VEGETABLES, FRUIT FOOD PRODUCTS AND POWER DRAWN SWEET POTATO SLIP TRANSPLANTERS AND SWEET POTATO DIGGERS.
Claims use on dehydrators since Sept. 7, 1945; on sweet potato slip transplanters since Mar. 28, 1946; and on sweet potato diggers since Apr. 17, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 499,627. WM. E. HOOPER & SONS CO., Baltimore, Md. Filed Apr. 4, 1946.



FOR KNITTED COTTON PADDING IN THE PIECE FOR USE ON LAUNDRY MACHINES, COTTON LAUNDRY PADS, COVER CLOTH FOR LAUNDRY PADDING, APRON DUCK FOR LAUNDRY MACHINES, AND FEED RIBBONS FOR LAUNDRY MACHINES.
Claims use since Nov. 13, 1945.

CLASS 25

LOCKS AND SAFES

Ser. No. 490,730. THE WHITLOCK SUPPLY CO., New York, N. Y. Filed Oct. 29, 1945.



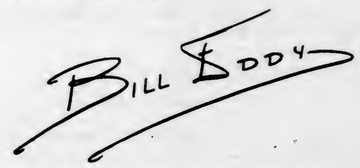
Wee Willie

Representation of the key and the words "Keys" and "Whitlock" are disclaimed apart from the mark as shown.
FOR KEY BLANKS AND KEYS.
Claims use since January 1935.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 481,500. TELEVISION ASSOCIATES, INC., Chicago, Ill. Filed Mar. 29, 1945.



The mark is the professional signature of a well known person, William C. Eddy, consent given.
FOR KALEIDOSCOPIC PROJECTORS.
Claims use since Feb. 28, 1945.

Ser. No. 498,310. PITNEY-BOWES, INC., Stamford, Conn. Filed Mar. 15, 1946.

Universal

Applicant is the owner of Reg. No. 145,199 (renewed).
FOR POST-MARKING MACHINES HAVING THE FUNCTIONS OF POST-MARKING, STAMP-CANCELLING, AND COUNTING MAIL, CHECKS, AND OTHER COMMERCIAL PAPERS; MACHINES FOR METERING AND PRINTING MAIL, ETC.; AND COMMERCIAL COUNTING AND STAMPING MACHINES AND PARTS THEREOF.
Claims use since October 1909.

Ser. No. 499,617. EXPORT & IMPORT DEVELOPMENT CORP., New York, N. Y. Filed Apr. 4, 1946.

PIERRETTE

FOR EYE GLASSES.
Claims use since Feb. 28, 1946.

Ser. No. 503,401. TELECOMICS, INC., New York, N. Y. Filed June 6, 1946.

TELEFUNNIES

FOR COMIC FEATURE MOTION PICTURE FILMS.
Claims use since May 28, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 490,203. MONTRES CHOISI S. A., Locarno, Switzerland. Filed Oct. 19, 1945.

VARIX

FOR CLOCKS, WATCHES, WATCH CASES, MOVEMENTS, AND WATCH PARTS.
Claims use since 1939.

Ser. No. 498,126. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed Mar. 13, 1946.

JOHN ALDEN

The mark is the name of one of the characters in Longfellow's poem, "The Courtship of Miles Standish."
FOR WATCHES.
Claims use since Feb. 23, 1946.

Ser. No. 500,434. WALTHAM WATCH COMPANY, Waltham, Mass. Filed Apr. 17, 1946.

DURATEST

FOR WATCHES.
Claims use since Apr. 1, 1946.

Ser. No. 500,435. WALTHAM WATCH COMPANY, Waltham, Mass. Filed Apr. 17, 1946.

TECHNATEST

FOR WATCHES.
Claims use since Apr. 1, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 479,657. BARR MANUFACTURING CORPORATION, Weedsport, N. Y. Filed Feb. 10, 1945.

Flip-It

FOR SILVER, SILVER-PLATED, AND GOLD-PLATED CIGARETTE CASES AND CIGARETTE BOXES.
Claims use since Feb. 1, 1944.

Ser. No. 489,900. CORO, INC., New York, N. Y. Filed Oct. 13, 1945.



FOR NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, IMITATION PEARLS AND PEARL NECKLACES, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR POWDER COMPACTS, COMB CASES, AND JEWELRY INITIALS.
Claims use since June 1945.

Ser. No. 494,901. DAVID GRAD COMPANY, New York, N. Y. Filed Jan. 17, 1946.

Click OF THE MONTH

No claim is made to the words "of the Month" except as shown.
FOR COSTUME JEWELRY.
Claims use since Oct. 15, 1945.

Ser. No. 499,916. CARL RAGOSTA, doing business as Carsta Jewelry Company, Providence, R. I. Filed Apr. 9, 1946.

CARSTA

FOR BROOCHES, EARRINGS, PINS, BRACELETS, LOCKETS, PENDANTS, AND NECKLACES, ALL MADE OF PRECIOUS AND SEMI-PRECIOUS METAL.
Claims use since Jan. 15, 1946.

Ser. No. 500,170. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Apr. 13, 1946.

NORTHERN LIGHTS

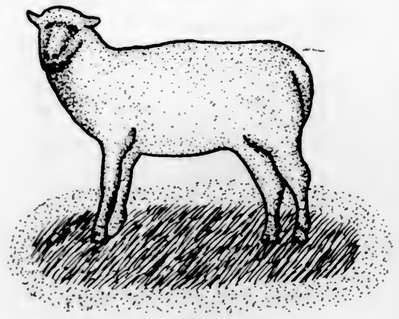
FOR STERLING SILVER FLAT-WARE AND HOLLOW-WARE FOR TABLE USE AND THE LIKE.
Claims use since Apr. 5, 1946.

Ser. No. 500,180. OUVRIER FASHION ACCESSORIES, New York, N. Y. Filed Apr. 13, 1946.

OUVRIER

FOR EARRINGS, ORNAMENTAL CLIPS, BAR PINS, BROOCH PINS, BRACELETS (NOT INCLUDING WATCHES), FINGER RINGS, AND ARTICLES OF ADORNMENT FOR PERSONAL WEAR, OF NON-PRECIOUS MATERIALS.
Claims use since May 6, 1941.

Ser. No. 500,457. BAUMAN-MASSA JEWELRY CO., St. Louis, Mo. Filed Apr. 18, 1946.



BO-PEEP

FOR CHILDREN'S JEWELRY—NAMELY, FINGER RINGS, BRACELETS, BROOCHES, LINGERIE AND BEAUTY PINS, AND NECKLACES.
Claims use since Feb. 1, 1923.

Ser. No. 500,646. WILLIAM MCLEOD CREIGHTON, Charleston, S. C. Filed Apr. 22, 1946.

HOPPEROO

FOR COSTUME JEWELRY.
Claims use since Apr. 12, 1946.

Ser. No. 500,660. HOLLYWOOD JEWELRY MANUFACTURING CO., INC., Hollywood, Calif. Filed Apr. 22, 1946.

KIK-A-POO

FOR JEWELRY—NAMELY, FINGER RINGS, EARRINGS, AND BRACELETS MADE OF STERLING SILVER.
Claims use since Apr. 12, 1946.

Ser. No. 500,959. KAY DAUMIT, INC., Chicago, Ill. Filed Apr. 26, 1946.

CARI-AMBA

FOR GOLD PLATED PURSE CONTAINING DRAM BOTTLE OF PERFUME.
Claims use since Mar. 1, 1946.

Ser. No. 501,033. WALDRON & COMPANY, INC., Philadelphia, Pa. Filed Apr. 26, 1946.

SATELLITE

FOR FINGER-RINGS, PRECIOUS STONES FOR ORNAMENTAL PURPOSES, AND MOUNTINGS THEREFOR.
Claims use since Apr. 24, 1946.

Ser. No. 501,037. ENAR S. ANDERSON, North Attleboro, Mass. Filed Apr. 27, 1946.

NOREDNA'S

FOR JEWELRY—NAMELY, PINS, BROOCHES, WATCH STRAPS, BRACELETS, PENDANTS, CHARMS, EARRINGS, CIGARETTE CASES, COMPACTS, TIE CLASPS, COLLAR HOLDERS, KEY CHAINS, CUFF BUTTONS, MONEY CLIPS, ALL MADE WHOLLY OR PARTLY OF PRECIOUS OR SEMI-PRECIOUS MATERIAL.
Claims use since Mar. 15, 1946.

Ser. No. 501,144. TRU-KAY MANUFACTURING CO., Providence, R. I. Filed Apr. 29, 1946.



FOR COSTUME JEWELRY.
Claims use since Feb. 15, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 479,441. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio. Filed Feb. 5, 1945.

MASTER

FOR CAMELHAIR DUSTERS, COUNTER AND BENCH DUSTERS, MILL DUSTERS, MOULDERS' DUSTERS AND PAINTERS' DUSTERS, WALL BRUSHES, SWEEPING BROOMS, SWEEPING BRUSHES, PAINT BRUSHES, VARNISH BRUSHES, WIRE BRUSHES, HAND OPERATED ROTARY BRUSHES FOR POLISHING AND CLEANING, BRUSH SECTIONS AND BRUSH COMPONENTS.
Claims use since April 1923.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 504,718. TREITEL-GRATZ CO., INC., New York, N. Y. Filed June 27, 1946.

SERV-A-CART

No registration rights are claimed for the word "Cart" apart from the mark as a whole.
FOR BEVERAGE CARTS.
Claims use since 1939.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 506,332. METALITE, INC., Meriden, Conn. Filed July 26, 1946.

HYGLO

FOR FRICTION PYROPHORIC AND CATALYTIC CIGAR, CIGARETTE AND PIPE LIGHTERS, AND PARTS FOR SUCH LIGHTERS.
Claims use since July 1, 1946.

Ser. No. 506,333. METALITE, INC., Meriden, Conn. Filed July 26, 1946.

KORITE

FOR FRICTION PYROPHORIC AND CATALYTIC CIGAR, CIGARETTE, AND PIPE LIGHTERS, AND PARTS FOR SUCH LIGHTERS.
Claims use since July 1, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 494,580. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 10, 1946.

Mobil

FOR PNEUMATIC TIRES, INNER TUBES FOR PNEUMATIC TIRES, HOSE FOR CONNECTIONS IN COOLING SYSTEMS OF INTERNAL COMBUSTION ENGINES, AND BELTING FOR POWER TRANSMISSION.
Claims use on pneumatic tires since Jan. 10, 1936; on inner tubes for pneumatic tires since Nov. 14, 1945; on hose for connections in cooling systems of internal combustion engines since Oct. 31, 1945; and on belting for power transmission since Oct. 31, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 499,221. EXIMPORT COMPANY OF AMERICA, New York, N. Y. Filed Mar. 29, 1946.

YUMBA

FOR STRINGS FOR MUSICAL INSTRUMENTS.
Claims use since January 1942.

Ser. No. 499,259. THE MICROMASTER COMPANY, Chicago, Ill. Filed Mar. 29, 1946.



The trade-mark consists of two colored bands applied to the tapered portions of the needle, the bands being spaced from the points. One of said bands is red and the other is green. No claim is made to the representation of the needle.
FOR PHONOGRAPH NEEDLES.
Claims use since December 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 491,753. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C. Filed Nov. 17, 1945.

RAYVELOUR

FOR BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS.
Claims use since July 31, 1939.

Ser. No. 486,919. SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga. Filed Aug. 8, 1945.

Right to the Point

FOR MECHANICAL PENCILS AND LEADS THEREFOR.
Claims use since May 14, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 484,392. WILMA CHURCHILL, Los Angeles, Calif. Filed June 11, 1945.

THE
CHIROGRAM

FOR PERIODICAL, PUBLISHED MONTHLY, CONTAINING INFORMATION OF INTEREST TO THOSE IN THE CHIROPRACTIC FIELD.
Claims use since July 1, 1943.

Ser. No. 485,525. CONTINENTAL OIL COMPANY, Ponca City, Okla. Filed July 7, 1945.

TOURAIDE

FOR MAP BOOKLETS PUBLISHED FROM TIME TO TIME.
Claims use since Apr. 6, 1936.

CLASS 39

CLOTHING

Ser. No. 479,885. LESONIER, INC., Boston, Mass. Filed Feb. 16, 1945.



LeSonier

FOR SHOWER CAPS AND MAKE-UP COVERALLS.
Claims use since 1943 on shower caps; and since 1944 on make-up coveralls.

Ser. No. 485,667. SWAN SHOE COMPANY, INC., Baltimore, Md. Filed July 10, 1945.

PUNCHO

FOR SLIPPERS MADE OF LEATHER, FABRIC, AND RUBBER, OR COMBINATIONS THEREOF FOR MEN, WOMEN, AND CHILDREN.
Claims use since February 1942.

Ser. No. 489,586. ABRAHAM W. KAUFMAN, New York, N. Y. Filed Oct. 8, 1945.



No claim is made to the exclusive use of the word "Lady" except in the association shown. The drawing is lined for shading only.
FOR LADIES' AND MISSES' HOSIERY, BLOUSES, SLIPS, BLOOMERS, PANTIES, BRASSIÈRES, NIGHTGOWNS, AND PAJAMAS.
Claims use since Nov. 22, 1938.

Ser. No. 491,405. SAM FRIEDMAN, Paterson, N. J. Filed Nov. 10, 1945.

Sambros
OF HOLLYWOOD

Applicant disclaims the word "Hollywood" apart from the mark.
FOR WOMEN'S AND CHILDREN'S SHOES, PLAY SHOES, AND SLIPPERS, MADE OF LEATHER, FABRIC, OR RUBBER.
Claims use since June 1, 1945.

Ser. No. 497,291. DEAN U. BAKKE, Des Moines, Iowa. Filed Feb. 27, 1946.

Twinkle*toes

Applicant disclaims the right to the exclusive use of the word "Toes" except in conjunction with the other features of the mark.
FOR PROTECTIVE TOE COVERINGS MADE OF PLASTIC FILM.
Claims use since August 1941.

Ser. No. 497,057. AMCO ATHLETIC APPAREL CORPORATION, Brooklyn, N. Y. Filed Feb. 23, 1946.

AMCO

FOR UNIFORMS FOR ATHLETES.
Claims use since Dec. 26, 1929.

Ser. No. 497,394. MASKULINE UNDERWEAR CO., INC., New York, N. Y. Filed Feb. 28, 1946.

JOKER

FOR MEN'S AND BOYS' OUTER SHIRTS, SPORT JACKETS, PAJAMAS, LUMBER JACKETS, HOSIERY, UNDERSHIRTS, AND UNDER SHORTS.
Claims use since Oct. 2, 1945.

Ser. No. 498,196. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Mar. 14, 1946.

INNER SANCTUM

FOR APPAREL BELTS, SUSPENDERS, GARTERS, AND HOSE SUPPORTERS, MADE WHOLLY OR IN PART OF LEATHER AND/OR IMITATION LEATHER.
Claims use since Nov. 15, 1944.

Ser. No. 498,565. BRAZEN CREATIONS, Chicago, Ill., assignor, by mesne assignments, to Brazen Creations, a firm composed solely of Leone P. Edelman, Chicago, Ill. Filed Mar. 16, 1946.

Brazen

FOR BRASSIÈRES, CORSETS, AND BATHING SUITS.
Claims use since Mar. 4, 1946.

Ser. No. 502,733. ARTCRAFT HOSIERY COMPANY, Philadelphia, Pa. Filed May 25, 1946.

Staunchies

FOR WOMEN'S HOSIERY.
Claims use since July 1937.

Ser. No. 504,966. THE DAYTON COMPANY, Minneapolis, Minn. Filed July 2, 1946.

SODA SET

FOR GIRLS' DRESSES, PLAY-SUITS, SWEATERS, BLOUSES, HOUSECOATS, PAJAMAS, AND RAINCOATS.
Claims use since Aug. 17, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 491,366. SCHALET-POLLACK CORPORATION, New York, N. Y. Filed Nov. 9, 1945.

SUPER-GRIP-TITE

FOR LINING FABRICS MADE OF SILK AND RAYON FOR WEARING APPAREL.
Claims use since Jan. 2, 1940.

Ser. No. 491,755. HARTE & CO., INC., New York, N. Y. Filed Nov. 17, 1945.

WATASEAL

FOR THIN, TRANSPARENT OR TRANSLUCENT SHEETS OR FILMS OF VINYL RESIN PLASTIC SOLD AS PIECE GOODS FOR USE IN MAKING SHOWER CURTAINS, BATHROOM CURTAINS, APRONS, PILLOW CASES, BABY GARMENTS, RAIN COATS AND THE LIKE.
Claims use since Jan. 5, 1945.

Ser. No. 498,213. DUNN TEXTILE COMPANY, INC., New York, N. Y. Filed Mar. 14, 1946.

MARDUN

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since Mar. 5, 1946.

Ser. No. 498,710. MORTON MINCHENBERG, New York, N. Y. Filed Mar. 21, 1946.

AMBIELLE

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, WOOL, WORSTED, AND MIXTURES THEREOF.
Claims use since June 1, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 502,272. COOK-WAITE LABORATORIES, INC., New York, N. Y. Filed May 17, 1946.

Dr. R. B. Waite's.

The mark consists of a facsimile of the signature in the possessive case of Dr. R. B. Waite.
FOR SURGICAL INSTRUMENTS—NAMELY, SYRINGES AND HYPODERMIC NEEDLES, AND STERILIZERS.
Claims use since Apr. 23, 1946.

Ser. No. 503,661. PEP-STEP PRODUCTS, Lebanon, Pa. Filed June 11, 1946.

Pep-Step

FOR ARCH SUPPORTS.
Claims use since May 9, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 475,731. NEW ERA CANNING COMPANY, New Era, Mich. Filed Oct. 26, 1944.

TRI·RAY'S

FOR CANNED VEGETABLES.
Claims use since June 1, 1936.

Ser. No. 477,996. DAVIS & LAWRENCE COMPANY, Dobbs Ferry, N. Y. Filed Dec. 28, 1944.

"The D&L"

FOR ESSENCES, EXTRACTS, SYRUPS, CONCENTRATES, AND EMULSIONS FOR FOOD FLAVORING PURPOSES.
Claims use since January 1891.

Ser. No. 480,323. JEWETT & SHERMAN CO., Milwaukee, Wis. Filed Feb. 28, 1945.

GOLD BOND

FOR COFFEE, TEA, COCOA, GROUND PEPPER, FLAVORING EXTRACTS, PICKLES, OLIVES; CONDIMENTS—NAMELY, PREPARED MUSTARD, CATSUP, CHILI SAUCE, AND VINEGAR; PEANUT BUTTER, SANDWICH FILLING, SANDWICH SPREAD, MAYONNAISE, THOUSAND ISLAND DRESSING, HONEY, RICE, AND FRUIT PRESERVES.
Claims use since May 1907 on coffee; since October 1915 on tea; since Feb. 1, 1921, on cocoa; since October 1907 on ground pepper; since Jan. 20, 1916, on food flavoring extracts; since Nov. 17, 1921, on pickles; since Apr. 6, 1917, on olives; since May 1912 on condiments; since February 1914 on peanut butter; since Feb. 11, 1920, on sandwich filling; since November 1921 on sandwich spread; since March 1923 on mayonnaise; since June 15, 1926, on Thousand Island dressing; since Sept. 24, 1919, on honey; since Aug. 4, 1921, on rice; and since 1927 on fruit preserves.

Ser. No. 494,510. WELLS T. MCKAY, doing business as Cooked Rice, San Francisco, Calif. Filed Jan. 9, 1946.

RICE BOWL

The exclusive right to use of the word "Rice" is disclaimed apart from the mark.
FOR DRY AND COOKED RICE.
Claims use since Oct. 3, 1945.

Ser. No. 497,217. VALLEY FRUIT DISTRIBUTORS, Victor, Calif. Filed Feb. 25, 1946.

FAMIGLIA

The word "Famiglia" is the Italian word for "Family" in the feminine form.
FOR FRESH GRAPES.
Claims use since Feb. 9, 1946.

Ser. No. 498,292. STANLEY H. MACDOUGAL, Prattsburgh, N. Y. Filed Mar. 15, 1946.

TOP STAR

FOR POTATOES IN THEIR NATURAL STATE.
Claims use since Feb. 4, 1946.

Ser. No. 498,602. CLINTON INDUSTRIES, INC., Chicago, Ill. Filed Mar. 20, 1946.

Sororities

FOR FUDGE CANDY.
Claims use since July 28, 1939.

Ser. No. 498,871. UNITED FARMS CO., Guadalupe, Calif. Filed Mar. 23, 1946.

PAY DIRT



The drawing is lined to indicate shading. The representation of the man is fanciful.
FOR FRESH VEGETABLES.
Claims use since Oct. 1, 1945.

Ser. No. 500,709. STALEY MILLING COMPANY, North Kansas City, Mo. Filed Apr. 22, 1946.

FOUR BELLS ATOMS

Applicant is the owner of Reg. No. 206,452 (renewed).
FOR CHICK FEED IN MASH FORM.
Claims use since Mar. 29, 1946.

Ser. No. 502,461. JULIUS RICHTER, doing business as Twin City Manufacturing Company, Norfolk, Va. Filed May 20, 1946.

AURIC

FOR VINEGAR.
Claims use since Mar. 15, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 499,211. THE DECRO PRODUCTS COMPANY, Milwaukie, Oreg. Filed Mar. 29, 1946.

DECRO-DETTES

FOR DECORATIVE MATERIAL CONSISTING OF DYED SAWDUST FOR USE IN DECORATING POTTED HOUSE PLANTS.

Claims use since Feb. 20, 1946.

Ser. No. 499,723. M. C. F. MANUFACTURING CO., Peabody, Mass. Filed Apr. 5, 1946.

Vylura

FOR LEATHER SUBSTITUTE.

Claims use since Feb. 5, 1946.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 19, 1946

425,399. LUBRICATING OIL. THE PURE OIL COMPANY, Chicago, Ill.
Filed March 17, 1941. Serial No. 441,634. PUBLISHED APRIL 24, 1945. Class 15.

425,400. CLOSURES FOR CONTAINERS. THE ARIDOR COMPANY, Chicago, Ill.
Filed October 29, 1942. Serial No. 456,503. PUBLISHED AUGUST 27, 1946. Class 50.

425,401. FLAGS OF ALL TYPES—NAMELY, NATIONAL AND ALLIED NATION FLAGS, ADVERTISING FLAGS, SIGNAL FLAGS, ETC. FREECE-LARSEN, INC., Norristown, Pa.
Filed May 9, 1944. Serial No. 470,073. PUBLISHED AUGUST 13, 1946. Class 50.

425,402. MUSICAL PHONOGRAPH RECORDS, EXCLUSIVE OF RECORDS SPECIFICALLY CONSTRUCTED AS TRANSCRIPTIONS FOR USE IN BROADCASTING OR BEARING A SPECIFIC INDICATION FOR USE IN BROADCAST. NATIONAL RECORD COMPANY, Phillipsburg, N. J.
Filed May 18, 1944. Serial No. 470,382. PUBLISHED NOVEMBER 14, 1944. Class 36.

425,403. RUM, GIN, WHISKEY, ETHYL ALCOHOL, COGNAC, BRANDY, AND ANISETTE. COMPAÑIA CUBANA DE ALCOHOL, S. A., Habana, Cuba.
Filed May 22, 1944. Serial No. 470,485. PUBLISHED AUGUST 28, 1945. Class 49.

425,404. PIANOS. LOUIS BROMBERG, Brooklyn, N. Y.
Filed September 19, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 474,370. PUBLISHED AUGUST 6, 1946. Class 36.

425,405. NEST EGGS, PORTABLE STOCK AND POULTRY FEEDERS AND WATERERS, ELECTRICALLY HEATED PORTABLE WATER FOUNTAINS, AND COOPS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 7, 1945. Serial No. 479,534. PUBLISHED AUGUST 6, 1946. Class 50.

425,406. BOTTLED LEMON JUICE FOR FOOD PURPOSES. CHARLES A. KRAMER, doing business as Southern California Fruit Products Company, La Crescenta and Los Angeles, Calif.
Filed April 28, 1945. Serial No. 482,748. PUBLISHED JULY 2, 1946. Class 46.

425,407. STATIONERY—NAMELY, WRITING PAPER AND NOTE PAPER OF DISTINCTIVE DESIGN SOLD IN BOXES AND CARTONS. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo.
Filed May 25, 1945. Serial No. 483,764. PUBLISHED OCTOBER 9, 1945. Class 37.

425,408. GARMENT HANGERS MADE OF PLASTICS. RHODES PLASTIC PRODUCTS, INC., New York, N. Y.
Filed July 3, 1945. Serial No. 485,421. PUBLISHED JULY 23, 1946. Class 50.

425,409. COLD WAVE KITS CONSISTING OF NEUTRALIZER SOLUTION, WAVE SET CONCENTRATE, COLD PERMANENT WAVE SOLUTION, CREME SHAMPOO, CURLERS, STICKS FOR APPLICATORS, AND CURL PAPERS. ROSE R. MENDELSOHN, doing business as National Novelties, Chicago, Ill.
Filed September 1, 1945. Serial No. 487,912. PUBLISHED AUGUST 6, 1946. Class 50.

425,410. LUMINOUS LETTERS AND NUMBERS HAVING PRISMATIC GLASS OR PLASTIC LENSES THEREIN CAPABLE OF REFLECTING LIGHT. RFELECTO LETTERS CO., New York, N. Y.
Filed September 28, 1945. Serial No. 489,146. PUBLISHED AUGUST 6, 1946. Class 50.

425,411. POULTRY EQUIPMENT—NAMELY, CHICK FEEDERS, PORTABLE CHICK FOUNTS, BATTERIES, NESTS, WATER PANS, BROODERS, AND BROODER GUARDS. ANDERSON BOX COMPANY, Indianapolis, Ind.
Filed November 19, 1945. Serial No. 491,792. PUBLISHED AUGUST 13, 1946. Class 50.

425,412. HAND SOAP. GEORGE R. GRIGG, JR., Burlingame, Calif.
Filed December 12, 1945. Serial No. 493,118. PUBLISHED AUGUST 13, 1946. Class 4.

425,413. MUSICAL INSTRUMENTS—NAMELY, BUGLES, CORNETS, TRUMPETS, TROMBONES, SOUSAPHONES, AND FRENCH HORNS, ETC. SAMUEL HERSHMAN, doing business as Hershman Musical Instrument Co., New York, N. Y.
Filed December 28, 1945. Serial No. 493,958. PUBLISHED AUGUST 20, 1946. Class 36.

425,414. WATCH CRYSTALS, PARTICULARLY UNBREAKABLE WATCH CRYSTALS. GERMANOW-SIMON MACHINE CO., Rochester, N. Y.
Filed January 19, 1946. Serial No. 495,027. PUBLISHED AUGUST 6, 1946. Class 33.

425,415. READY-MIXED PAINT, VARNISH, PAINT ENAMEL, AND LACQUER. PLASTIKPLI LABORATORIES, INC., also doing business as Lastikpli Laboratories, Chicago, Ill.
Filed January 26, 1946. Serial No. 495,498. PUBLISHED AUGUST 20, 1946. Class 16.

425,416. GASOLINE, AND LUBRICATING OILS AND GREASES. CHARLES A. BECK, doing business as Bugle Petroleum Products, Pomona, Calif.
Filed January 29, 1946. Serial No. 495,566. PUBLISHED AUGUST 20, 1946. Class 15.

425,417. SOAP IN POWDERED FORM. TISH PRODUCTS CORPORATION, Brooklyn, N. Y., assignor to Fren Trading Corporation, Brooklyn, N. Y., a corporation of New York.
Filed January 30, 1946. Serial No. 495,704. PUBLISHED AUGUST 27, 1946. Class 4.

425,418. BOWL CONTAINING SEEDS, GROWING MATERIAL, AND PLANT FOOD, FOR PRODUCING VARIOUS TYPES OF BLOOMING PLANTS, SOLD AS A UNIT. C REX GIBSON, doing business as Gibson Company, Harlan, Iowa.
Filed February 8, 1946. Serial No. 496,232. PUBLISHED AUGUST 20, 1946. Class 50.

425,419. PRINTING PRESS BLANKETS. TINGUE, BROWN & CO., New York, N. Y.
Filed February 21, 1946. Serial No. 497,055. PUBLISHED AUGUST 6, 1946. Class 50.

425,420. CHAMPAGNE AND SPARKLING BURGUNDY. CHATEAU GAY, LTD., Lewiston, N. Y.
Filed February 23, 1946. Serial No. 497,069. PUBLISHED AUGUST 20, 1946. Class 47.

425,421. EDUCATIONAL CARTOON DRAWINGS AND STRIPS PUBLISHED AT INTERVALS. RAFAEL A. CANOVACA, New York, N. Y.
Filed March 1, 1946. Serial No. 497,452. PUBLISHED AUGUST 27, 1946. Class 38.

425,422. HOUSE ORGAN. OLIVER INSTRUMENT COMPANY, Adrian, Mich.
Filed March 12, 1946. Serial No. 498,073. PUBLISHED AUGUST 27, 1946. Class 38.

425,423. WINE. EUGENE P. FRANEK, doing business under the name Franek's Wholesale Liquor, New Orleans, La.
Filed April 12, 1946. Serial No. 500,070. PUBLISHED AUGUST 20, 1946. Class 47.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

425,424. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JAFBER MFG. & SALES CO., Minneapolis, Minn., assignor to William Jaffa, Minneapolis, Minn. Filed Apr. 21, 1943. Serial No. 460,055.

GAZLOK

FOR ANTISIPHONING THEFT GUARDS FOR VEHICLE FUEL TANKS.
Claims use since Mar. 10, 1943.

425,425. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) COMPAÑIA CUBANA DE ALCOHOL, S. A., Habana, Cuba. Filed Jan. 31, 1944. Serial No. 467,018.

SANTA CRUZ

FOR RUM, ETHYL ALCOHOL, WHISKY, COGNAC, GIN, BRANDY AND ANISETTE.
Claims use since Feb. 15, 1943.

425,426. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) NATIONAL LEAD COMPANY, New York, N. Y. Filed Mar. 8, 1944. Serial No. 468,084.

Fluxrite

FOR STRIP AND WIRE SOLDERS INCORPORATING OR TREATED WITH FLUX.
Claims use since February 1944.

425,427. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) P. DAUSSA CORPORATION, New York, N. Y. Filed Mar. 23, 1945. Serial No. 481,216.

DAUSSA

FOR TOOTHBRUSHES, BRUSHES FOR HOUSEHOLD USE—NAMELY, HAIR BRUSHES, NAIL BRUSHES, BATH BRUSHES AND BROOMS.
Claims use since Sept. 1, 1944.

425,428. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEONARD GORDON, doing business as Grocers Packing Company, Los Angeles, Calif. Filed Mar. 27, 1945. Serial No. 481,371.

Jells·Best

FOR GELATINE DESSERT POWDERS.
Claims use since Mar. 12, 1945.

425,429. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JACOB H. SPREIREGEN, doing business as Sudzit Company, Jamaica Plain, Mass., assignor to Sudzit Company, Boston, Mass., a firm. Filed Apr. 28, 1945. Serial No. 482,770.

SUDZIT

FOR SYNTHETIC DETERGENT POWDER.
Claims use since Jan. 1, 1945.

425,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEEF-SCHNIEBOLK CO., New York, N. Y. Filed May 17, 1945. Serial No. 483,481.

Super 4 Brand

FOR FRESH TOMATOES.
Claims use since January 1945.

425,431. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLANT PRODUCTS COMPANY, Blue Point, N. Y., assignor to Plant Products Corporation, Blue Point, N. Y., a corporation of New York. Filed May 25, 1945. Serial No. 483,788.

Weed tox

FOR INSECTICIDES USED FOR SPRAYING PLANTS.
Claims use since Dec. 18, 1944.

425,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HYMAN KARNO, doing business as Altone Chemical Company, New Orleans, La. Filed June 7, 1945. Serial No. 484,259.

EVERPURE

FOR INSECTICIDE.
Claims use since April 1944.

425,433. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CHARMO MFG. CO., INC., Matawan, N. J., now by change of name Charmo Co., Inc. Filed June 23, 1945. Serial No. 484,938.

Jeff

FOR COSTUME JEWELRY, STERLING SILVER HOLLOW WARE AND COSMETIC COMPACTS MADE WHOLLY OR PARTLY OF PRECIOUS METAL.
Claims use since February 1945.

425,434. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD J. BRENNAN, doing business as Apothecaries House, Hasbrouck Heights, N. J. Filed June 26, 1945. Serial No. 485,042.

Aciditivs

FOR ANTIACID FOR RELIEF OF ACID INDIGESTION.
Claims use since June 8, 1945.

425,435. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed July 4, 1945. Serial No. 485,446.

MERIDEN S.P. Co.

FOR SILVERPLATED FLATWARE.
Claims use since August 1929.

425,436. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPRAY, INCORPORATED, Newark, N. J. Filed July 17, 1945. Serial No. 485,928.

SPRAYsect

FOR INSECTICIDES.
Claims use since May 25, 1945.

425,437. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VAN PATTEN PHARMACEUTICAL CO., Chicago, Ill. Filed July 23, 1945. Serial No. 486,181.

SODASCORBATE

FOR SODIUM ASCORBATE.
Claims use since June 21, 1945.

425,438. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MCCURRACH ORGANIZATION, New York, N. Y. Filed July 26, 1945. Serial No. 486,324.

LOOP CLIP
BY McCURRACH

FOR MEN'S PRECIOUS METAL NECKTIE CLIPS.
Claims use since July 17, 1945.

425,439. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MCCURRACH ORGANIZATION, New York, N. Y. Filed July 26, 1945. Serial No. 486,325.

TY—FREE
BY McCURRACH

FOR MEN'S PRECIOUS METAL NECKTIE CLIPS.
Claims use since July 17, 1945.

425,440. (CLASS 38. PRINTS AND PUBLICATIONS.) TRUE COMICS, INC., New York, N. Y. Filed July 26, 1945. Serial No. 486,341.

TRUE COMICS

FOR PERIODICAL CONTAINING CARTOONS AND OTHER SUBJECT MATTER OF JUVENILE INTEREST, PUBLISHED MONTHLY OR AT OTHER INTERVALS.
Claims use since February 1941.

425,441. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. T. DAVIS, doing business as Davis Pharmacal Company, Miami, Fla. Filed July 28, 1945. Serial No. 486,404.

DAVIS'
FORMULA

FOR PREPARATION FOR THE TREATMENT OF ATHELETE'S FOOT.
Claims use since December 1941.

425,442. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BURKE & JAMES, INC., Chicago, Ill. Filed Aug. 18, 1945. Serial No. 487,240.

Lenskote

FOR PERMANENT COATING FOR APPLICATION TO CAMERA LENSES TO PERFECT THEIR RESOLVING POWER.
Claims use since Aug. 1, 1945.

425,443. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Aug. 18, 1945. Serial No. 487,267.

ATOMIC POWER

FOR A PERIODICAL MAGAZINE PUBLISHED AT IRREGULAR INTERVALS RELATING TO THE PHYSICS OF THE ATOM AND TO THE COMMERCIAL APPLICATIONS OF ATOMIC ENERGY TO PRODUCTION.
Claims use since Aug. 7, 1945.

425,444. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. G. MOENCH & CO., INC., New York, N. Y. Filed Aug. 18, 1945. Serial No. 487,270.

ICE-MIX

FOR AN EDIBLE POWDERED MIXTURE FOR USE IN THE MANUFACTURE OF FROZEN CONFECTIONS.
Claims use since July 20, 1945.

425,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY CLARK, East Orange, N. J. Filed Aug. 21, 1945. Serial No. 487,356.

CLARK'S



COUGH MIXTURE

FOR COUGH MIXTURE.
Claims use since July 25, 1945.

425,446. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FORSTNER CHAIN CORPORATION, Irvington, N. J. Filed Aug. 22, 1945. Serial No. 487,418.

ADJUSTIT

FOR WRIST WATCH BRACELETS.
Claims use since Feb. 15, 1945.

425,447. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BRENKERT LIGHT PROJECTION COMPANY, Detroit, Mich. Filed Aug. 29, 1945. Serial No. 487,699.

BRENKERT

FOR MOTION PICTURE PROJECTION LAMPS.
Claims use since Aug. 10, 1911.

425,448. (CLASS 39. CLOTHING.) Z. S. MARSHALL & Co., New York, N. Y. Filed Aug. 30, 1945. Serial No. 487,788.

TOGS 'n CLOGS

FOR SETS CONSISTING OF A PAIR OF PAJAMAS AND SLIPPERS.
Claims use since Aug. 13, 1945.

425,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN TOUPAL & CO., Caldwell, Tex. Filed Sept. 10, 1945. Serial No. 488,244.

TOUPAL

FOR LINIMENT FOR COLDS OF THE CHEST.
Claims use since June 7, 1924.

425,450. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AL A. BANKS, doing business as Lyk-Nu Company, New York, N. Y. Filed Sept. 15, 1945, Serial No. 488,501.

LYK-NU

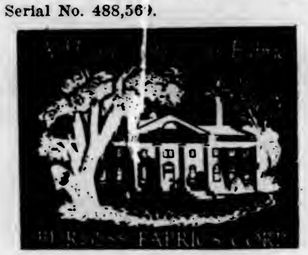
FOR BRAKE FLUID.
Claims use since 1940.

425,451. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AL A. BANKS, doing business as Lyk-Nu Company, New York, N. Y. Filed Sept. 15, 1945. Serial No. 488,502.

LYK-NU

FOR BLACK CHASSIS DRESSING IN THE NATURE OF A PAINT, BLACK TOUCH-UP ENAMEL, WHITE TIRE COATING, BLACK LACQUER, LACQUER SOLVENT FOR REMOVING LACQUER, GRAY PRIMER-SURFACER, AUTOMOBILE POLISH, CLEANER AND POLISH FOR USE IN ELECTRIC BUFFING MACHINES FOR CLEANING AND POLISHING FINE SURFACES OR FINISHED SURFACES IN ONE OPERATION, SOLVENT FOR REDUCING AND DRYING SYNTHETIC FINISHES, LACQUER RETARDER, LIQUID COMPOUND FOR BLENDING NEW PAINTED SPOTS WITH OLD PAINT BY RUBBING, AND LACQUER THINNER.
Claims use since 1933 for black chassis dressing; since 1935 for black touch up enamel; since 1935 for white tire coating; since 1939 for black lacquer; since 1940 for lacquer solvent; since 1941 for gray primer-surfacer; since 1930 for automobile polish; since 1943 for cleaner for use in electric buffing machines; since 1937 for lacquer retarder; since 1935 for liquid compound for blending new painted spots with old paint by rubbing; since 1937 for solvent for reducing and drying synthetic finishes; and since 1941 for lacquer thinner.

425,452. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BURGESS FABRIC CORP., New York, N. Y. Filed Sept. 17, 1945. Serial No. 488,560.



FOR SILK, RAYON, COTTON AND WOOLEN FABRICS.
Claims use since July 9, 1945.

425,453. (CLASS 42, KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) TUFTEX COMPANY, New York, N. Y. Filed Sept. 17, 1945. Serial No. 488,627.

TUFTCRAFT

FOR BEDSPREADS, DRAPERIES, RUGS AND COTTON PIECE GOODS.
Claims use since May 22, 1945.

425,454. (Class 38. PRINTS AND PUBLICATIONS.) GROSSET & DUNLAP, INC., New York, N. Y. Filed Sept. 18, 1945. Serial No. 488,645.

ILLUSTRATED JUNIOR LIBRARY

FOR BOOKS.
Claims use since Sept. 7, 1945.

425,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHAMACEUTICAL PREPARATIONS.) AMERICAN DRUGGISTS SYNDICATE, INC., Long Island City, N. Y. Filed Sept. 20, 1945. Serial No. 488,722.

NUM-ZIT

FOR MEDICINE TO RELIEVE PAIN DURING THE TEETHING PERIOD OF INFANTS.
Claims use since Jan. 15, 1944.

425,456. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ROBERT F. SLAVIN & CO., New York, N. Y. Filed Sept. 20, 1945. Serial No. 488,786.

REFLECTOR

FOR WATCHES.
Claims use since Sept. 3, 1945.

425,457. (CLASS 38. PRINTS AND PUBLICATIONS.) CARL BROWN WEIGEL, Salem, Oreg. Filed Sept. 20, 1945. Serial No. 488,792.

INVESTMENT TIMER

FOR PUBLICATION ISSUED PERIODICALLY AND DEALING WITH INVESTMENT AND FINANCIAL MATTERS.
Claims use since August 1945.

425,458. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MENNEN COMPANY, Newark, N. J. Filed Sept. 24, 1945. Serial No. 488,914.

QUICOOL

FOR POWDER FOR TREATING PRICKLY HEAT.
Claims use since Sept. 7, 1945.

425,459. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 1, 1945. Serial No. 489,229.

ATOMIC ENGINEERING

FOR A PERIODICAL ISSUED FROM TIME TO TIME DEVOTED TO THE DESIGN, CONSTRUCTION AND OPERATION OF PLANTS FOR COMMERCIAL APPLICATION OF A NEW SOURCE OF ENERGY.
Claims use since Sept. 1, 1945.

425,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Oct. 5, 1945. Serial No. 489,493.

WOODGUARD

FOR WATER-REPELLENT TOXIC WOOD PRESERVATIVE.
Claims use since July 1939.

425,461. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HALFER ENGINEERING COMPANY, Chicago, Ill. Filed Oct. 11, 1945. Serial No. 489,800.

PLASTIC-MOLDER

FOR TOY PLASTIC MOLDING SETS.
Claims use since Sept. 15, 1945.

425,462. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AUTO ARC-WELD MANUFACTURING CO., Cleveland, Ohio. Filed Oct. 15, 1945. Serial No. 489,931.

Reel Tite

FOR CLOTHESLINE REEL.
Claims use since Sept. 1, 1945.

425,463. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A.B.C. Co., Monticello, Ill. Filed Oct. 29, 1945. Serial No. 490,615.

Diener's

FOR DIAMOND RING AND JEWELRY CLEANER.
Claims use since 1905.

425,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOMER O. PIPER, Park Ridge, Ill. Filed Oct. 30, 1945. Serial No. 490,765.

Piper's FAMOUS WHIPPED CREAM fudj AMERICA'S FINEST FUDGE LOAF

FOR CANDY.
Claims use since Aug. 8, 1945.

425,465. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) WILLIAM ZAKON & SONS, doing business under the name C. H. Graves & Sons Co., Boston, Mass. Filed Nov. 6, 1945. Serial No. 491,191.

Mt. Grizim

FOR BRANDY AND ALCOHOLIC CORDIALS.
Claims use since 1937.

425,466. (CLASS 47. WINES.) WILLIAM ZAKON & SONS, doing business under the name C. H. Graves & Sons Co., Boston, Mass. Filed Nov. 6, 1945. Serial No. 491,192.

Mt. Grizim

FOR WINES.
Claims use since 1937.

425,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR BEVAN, doing business as Bevan Beauty Products, Chicago, Ill. Filed Nov. 9, 1945. Serial No. 491,310.

Kut-No-Mor

FOR CUTICLE SOFTENERS AND STAIN REMOVER FOR COSMETIC USES.
Claims use since Feb. 25, 1942.

425,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOMINION CHEMICAL CO., INC., New York, N. Y. Filed Dec. 5, 1945. Serial No. 492,694.

NO-SLUDGE

FOR FUEL OIL TANK TREATMENT IN LIQUID FORM, USED FOR THE PURPOSE OF ELIMINATING WATER, RUST AND OTHER FOREIGN MATTER FROM FUEL OIL STORAGE TANKS AND TO PREVENT CORROSION IN FUEL OIL STORAGE TANKS.
Claims use since July 1936.

425,469. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILLER PROTECTO PRODUCTS COMPANY, Kalamazoo, Mich. Filed Dec. 15, 1945. Serial No. 493,380.

ODER-CHEK

FOR CHEMICAL SPRAY USED AS A DEODORIZER AND AIR FRESHENER.
Claims use since September 1940.

425,470. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THOMAS TEXTILE SERVICE CO., Philadelphia, Pa. Filed Dec. 21, 1945. Serial No. 493,701.

EXTON

FOR COLLAR CANVAS FOR INTERIOR LINING OF COAT COLLARS.
Claims use since June 1, 1941.

425,471. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THOMAS TEXTILE SERVICE CO., Philadelphia, Pa. Filed Dec. 21, 1945. Serial No. 493,702.

EXFORD

FOR COLLAR CANVAS FOR INTERIOR LINING OF COAT COLLARS.
Claims use since Jan. 5, 1943.

425,472. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROGUE RIVER PACKING CORPORATION, Medford, Oreg. Filed Jan. 4, 1946. Serial No. 494,285.

ROGUE RIVER

FOR CANNED FRUITS.
Claims use since 1920.

425,473. (CLASS 32. FURNITURE AND UPHOLSTERY.) DIRECT MATTRESS CO., Dallas, Tex. Filed Jan. 16, 1946. Serial No. 494,822.

Direct Mattress Co. THE DIRECT WAY

FOR COTTON MATTRESSES.
Claims use since Apr. 15, 1913.

425,474. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Jan. 22, 1946. Serial No. 495,180.

McGRAW-HILL DIGEST

FOR A MAGAZINE PUBLISHED MONTHLY.
Claims use since January 1944.

425,475. (CLASS 38. PRINTS AND PUBLICATIONS.) WOMEN'S WEAR COMPANY, New York, N. Y. Filed Feb. 5, 1946. Serial No. 496,056.

FASHION SIGNIFICANCES

FOR A SECTION IN A NEWSPAPER.
Claims use since Feb. 5, 1932.

425,476. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Feb. 8, 1946. Serial No. 496,192.

STONEBRIX

FOR ELONGATED BRICKS OF RANDOM LENGTHS.
Claims use since Feb. 24, 1941.

425,477. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KAMEN SOAP PRODUCTS CO., INC., New York, N. Y. Filed Feb. 21, 1946. Serial No. 497,026.

KAME-N-KLEEN

FOR SOAPS AND SOAP POWDER.
Claims use since April 1944.

425,478. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HUMBERT ARMAO, Providence, R. I., assignor to Monopearl, Inc., Providence, R. I., a corporation of Rhode Island. Filed Feb. 23, 1946. Serial No. 497,059.

Monopearl

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES) AND SIMULATED PEARLS.
Claims use since October 1944.

425,479. (CLASS 19. VEHICLES.) BIEDERMAN MOTORS CORPORATION, Cincinnati, Ohio. Filed Feb. 26, 1946. Serial No. 497,225.

BIEDERMAN

FOR MOTOR TRUCKS AND BUSES.
Claims use since January 1921.

425,480. (CLASS 38. PRINTS AND PUBLICATIONS.) SADYE MITTELMARK, New Rochelle, N. Y. Filed Feb. 26, 1946. Serial No. 497,260.

HANDBAGS *illustrated*

FOR MAGAZINE CONTAINING FACTUAL ARTICLES RELATING TO LADIES AND MISSES HANDBAGS.
Claims use since July 1945.

425,481. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE. FASHION CRAFT JEWELRY CO., INC., New York, N. Y. Filed Feb. 27, 1946. Serial No. 497,301.

PINLESS PIN

FOR ORNAMENTAL CLIP PINS.
Claims use since Jan. 8, 1945.

425,482. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MAYFIELD COMPANY, INCORPORATED, Glendale, Calif. Filed Feb. 27, 1946. Serial No. 497,319.

Mayfield

FOR CAMERA TILT HEADS, TRIPODS, AND PRINT ROLLERS.
Claims use since Sept. 20, 1945.

425,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL BOYER, Paris, France. Filed Feb. 28, 1946. Serial No. 497,364.

PAUL BOYER
PARFUMEUR
PARIS PROVENCE

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS, VARIOUS BRILLIANTINE LOTIONS.
Claims use since May 31, 1944.

425,484. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) DAVID EITEN, doing business as Regal Pearl and Jewelry Co., New York, N. Y. Filed Apr. 26, 1946. Serial No. 500,973.

La Touraine

FOR PEARLS, ARTIFICIAL PEARLS, AND JEWELRY FOR PERSONAL ADORNMENT MADE WHOLLY OR IN PART OF PRECIOUS METALS, NOT INCLUDING WATCHES.
Claims use since Apr. 2, 1945.

TRADE-MARK REGISTRATIONS RENEWED

49,863. **SIPE'S JAPAN OIL.** PAINTING, STAINING, AND GRAINING OIL. Registered Feb. 20, 1906. JAMES B. SIPE & Co., Allegheny, Pa. Re-renewed Feb. 20, 1946, to James B. Sipe & Co., Pittsburgh, Pa., a corporation of Delaware. Class 16.

51,270. **ASBESTOL.** GLOVES AND MITTENS. Registered Apr. 10, 1906. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Apr. 10, 1946. Class 39.

53,002. **GLENLIVET.** PURE MALT SCOTCH WHISKY. Registered May 22, 1906. GEORGE SMITH GRANT. Re-renewed May 22, 1946, to William Henry Smith Grant, doing business as G. & J. G. Smith, Inveraven, Scotland. Class 49.

53,070. **"WRIGHT'S CONDENSED SMOKE" AND DRAWING.** LIQUID SMOKE DISTILLED FROM WOOD. Registered May 22, 1906. THE E. H. WRIGHT COMPANY, LTD., Kansas City, Mo., a limited partnership of Michigan. Re-renewed May 22, 1946. Class 6.

53,104. **RICE'S ETC.** SILK THREAD. Registered May 29, 1906. A. H. RICE & Co. Re-renewed May 29, 1946, to A. H. Rice Co., Pittsfield, Mass., a corporation of Massachusetts. Class 43.

53,727. **"INVADER" AND DRAWING.** LUBRICATING OILS AND GREASE. Registered June 12, 1906. CHARLES F. KELLOM, Philadelphia, Pa. Re-renewed June 12, 1946, to Chas. F. Kellom & Co., Inc., Holmesburg, Philadelphia, Pa., a corporation of Delaware. Class 15.

53,744. **PALMER.** PNEUMATIC TIRES FOR WHEELS. Registered June 12, 1906. THE B. F. GOODRICH COMPANY, Akron, Ohio. Re-renewed June 12, 1946, to The Palmer Tyre Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 35.

53,824. **ALLEGHENY.** COTTON PIECE GOODS. Registered June 12, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 12, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

53,825. **RELIANCE.** COTTON PIECE GOODS. Registered June 12, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 12, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

53,826. **LEXINGTON.** COTTON PIECE GOODS. Registered June 12, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 12, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

53,832. **ARGUS.** COTTON PIECE GOODS. Registered June 12, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 12, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

53,833. **MASSACHUSETTS.** COTTON PIECE GOODS. Registered June 12, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 12, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

53,834. **CONCORD RIVER.** COTTON PIECE GOODS. Registered June 12, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 12, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

53,925. **LIBERTY.** COTTON PIECE GOODS. Registered June 12, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 12, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

53,933. **"WALNUTTA" AND DESIGN.** HAIR TONICS, STAINS, REMOVERS, AND DANDRUFF CURES. Registered June 12, 1906. HOWARD E. NICHOLS, St. Louis, Mo. Re-renewed June 12, 1946, to Howard E. Nichols, Kirkwood, Mo. Class 6.

54,074. **"L. F." AND DRAWING.** SHEET-MUSIC AND MUSIC-BOOKS. Registered June 19, 1906. LEO FEIST. Re-renewed June 19, 1946, to Leo Feist, Inc., New York, N. Y., a corporation of New York. Class 38.

54,185. **GOODYEAR WELT.** LEATHER WELTED BOOTS AND SHOES. Registered June 19, 1906. UNITED SHOE MACHINERY COMPANY, Boston, Mass. Re-renewed June 19, 1946, to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass., a corporation of New Jersey. Class 39.

54,476. **"GOLDEN GATE" ETC. AND DRAWING.** PORTLAND CEMENT. Registered June 26, 1906. PACIFIC PORTLAND CEMENT CO. Re-renewed June 26, 1946, to Pacific Portland Cement Company, San Francisco, Calif., a corporation of California. Class 12.

54,558. **WYANDOTTE.** COTTON PIECE GOODS. Registered June 26, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed June 26, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

54,612. **VOLTOID.** CHLORID OF AMMONIUM, MURIATE OF AMMONIA, OR SAL-AMMONIAC IN THE FORM OF TABLETS. Registered June 26, 1906. BRUNNER, MOND & Co., LIMITED, Northwich, England. Re-renewed June 26, 1946, to I. C. I. (Alkali), Limited, Slough, Buckinghamshire, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 6.

54,693. **"I. P." AND DESIGN.** SERUMS. Registered June 26, 1906. PAUL YVON, assignor to Institut Pasteur. Re-renewed June 26, 1946, to Institut Pasteur, Paris, France, a firm. Class 6.

54,785. **"JOHNSON & CO'S" ETC. AND DRAWING.** PORTLAND CEMENT. Registered July 31, 1906. I. C. JOHNSON & Co., LIMITED. Re-renewed July 31, 1946, to The British Portland Cement Manufacturers, Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 12.

54,905. **REPRESENTATION OF A FEATHER.** STIFFENING CORDS, BLADES, TAPES, AND FABRICS FOR WEARING-APPAREL. Registered July 31, 1906. THE WARREN FEATHERBONE CO. Re-renewed July 31, 1946, to The Warren Featherbone Co., Three Oaks, Mich., a corporation of Michigan. Class 40.

54,906. **"FEATHERBONE" AND DESIGN.** STIFFENING CORDS, BLADES, TAPES, AND FABRICS FOR WEARING-APPAREL. Registered July 31, 1906. THE WARREN FEATHERBONE CO. Re-renewed July 31, 1946, to The Warren Featherbone Co., Three Oaks, Mich., a corporation of Michigan. Class 40.

55,089. **VULCAN.** LAMP AND GAS BLACK. Registered Aug. 7, 1906. THE L. MARTIN COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed Aug. 7, 1946. Class 1.

55,161. **KNICKERBOCKER.** BEER. Registered Aug. 7, 1906. JACOB RUPPERT. Re-renewed Aug. 7, 1946, to Jacob Ruppert, New York, N. Y., a corporation of New York. Class 48.

55,459. **CONETTE.** GAME WHICH IS PLAYED BY TOSSING AN OBJECT ONTO A FRAME HAVING OPENINGS THEREIN, AND THUS ATTEMPTING TO LODGE SAID OBJECT IN ONE OF SAID OPENINGS. Registered Aug. 14, 1906. MILTON BRADLEY COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Aug. 14, 1946. Class 22.

55,725. **DOLLY.** DYES FOR TREATING FABRICS. Registered Aug. 21, 1906. WILLIAM EDGE & SONS LIMITED, Bolton, England. Re-renewed Aug. 21, 1946, to William Edge & Sons, Limited, Brownlowfold, Bolton, England, a limited liability company of Great Britain. Class 6.

56,752. **"GOOD YEAR" AND DRAWING.** RUBBER TIRES. Registered Oct. 16, 1906. THE GOODYEAR TIRE AND RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Oct. 16, 1946. Class 35.

56,753. **PATHFINDER.** RUBBER TIRES. Registered Oct. 16, 1906. THE GOODYEAR TIRE AND RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Oct. 16, 1946. Class 35.

56,756. **TIP TOP.** RUBBER TIRES. Registered Oct. 16, 1906. THE GOODYEAR TIRE AND RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Oct. 16, 1946. Class 35.

56,801. **LACVELVA.** ENAMEL OIL-PAINT. Registered Oct. 16, 1906. SUTER HARTMANN & RAHTJEN'S COMPOSITION COMPANY, LIMITED, London, England. Re-renewed Oct. 16, 1946, to Red Hand Compositions Company, Inc., New York, N. Y., a corporation of New York. Class 16.

56,802. **"HARTMANN'S" ETC. AND DRAWING.** ANTI-CORROSIVE AND ANTIFOULING PAINTS FOR SHIPS' BOTTOMS AND OTHER SUBMERGED SURFACES. Registered Oct. 16, 1906. SUTER HARTMANN & RAHTJEN'S COMPOSITION COMPANY, LIMITED, London, England. Re-renewed Oct. 16, 1946, to Red Hand Compositions Company, Inc., New York, N. Y., a corporation of New York. Class 16.

56,979. **"OCEANIC" AND DESIGN.** COTTON DUCK. Registered Oct. 30, 1906. WELLINGTON, SEARS & Co., Boston, Mass. Re-renewed Oct. 30, 1946, to Wellington Sears Company, New York, N. Y., a corporation of Massachusetts. Class 42.

56,980. **"HARVESTER" AND DRAWING.** COTTON DUCK. Registered Oct. 30, 1906. WELLINGTON, SEARS & Co., Boston, Mass. Re-renewed Oct. 30, 1946, to Wellington Sears Company, New York, N. Y., a corporation of Massachusetts. Class 42.

57,023. **RED ROCK.** GINGER ALE. Registered Oct. 30, 1906. HAGAN & DODD CO. Re-renewed Oct. 30, 1946, to The Red Rock Company, Atlanta, Ga., a corporation of Georgia. Class 45.

57,205. **"DOLLY BLUE" ETC. AND DRAWING.** LAUNDRY BLUE. Registered Nov. 6, 1906. WILLIAM EDGE & SONS LIMITED, Bolton, England. Re-renewed Nov. 6, 1946, to William Edge & Sons, Limited, Brownlowfold, Bolton, England, a limited liability company of Great Britain. Class 6.

57,518. **"DR. PIERCE'S" ETC. AND DESIGN.** REMEDY FOR COUGHS, BRONCHITIS, LARYNGITIS, WEAK LUNGS, BLEEDING FROM LUNGS, SORE THROAT, HOARSENESS AND SUPPRESSION OR LOSS OF VOICE, INDIGESTION, STOMACH DISORDERS, BILIOUSNESS, CONSTIPATION, ETC. Registered Nov. 13, 1906. RAY V. PIERCE. Re-renewed Nov. 13, 1946, to Pierce's Proprietaries, Inc., Buffalo, N. Y., a corporation of New York. Class 6.

57,584. **"LA FAVORITA DE TAMPA" AND DESIGN.** CIGARS. Registered Nov. 13, 1906. CUESTA, REY & Co., West Tampa, Fla. Re-renewed Nov. 13, 1946, to Cuesta, Rey and Company, Tampa, Fla., a corporation of Florida. Class 17.

57,590. **"GOOD YEAR" AND DRAWING.** HORSESHOE-PADS, RUBBER TILING, AND RUBBER HEELS AND SOLES FOR BOOTS AND SHOES. Registered Nov. 13, 1906. THE GOODYEAR TIRE AND RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Re-renewed Nov. 13, 1946. Classes 3, 12, and 39.

57,612. **"CAPITAL" AND DESIGN.** STEEL IN BARS, SHEETS, WIRE, AND OTHER UNWROUGHT AND PARTLY-WROUGHT FORMS. Registered Nov. 13, 1906. SEEBOHM & DIECKSTAHL, LD. Re-renewed Nov. 13, 1946, to Arthur Balfour & Company, Limited, Sheffield, England, a United Kingdom corporation. Class 14.

57,822. **"EVERGREEN" ETC. AND DRAWING.** MIXED GRASS-SEED FOR LAWNS. Registered Nov. 27, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 27, 1946. Class 1.

57,874. **DRUMMER.** DYES. Registered Nov. 27, 1906. WILLIAM EDGE & SONS LIMITED, Bolton, England. Re-renewed Nov. 27, 1946, to William Edge & Sons, Limited, Brownlowfold, Bolton, England, a limited liability company of Great Britain. Class 6.

57,983. **"S.W." AND DESIGN.** FASTENERS FOR TRUNKS, BLINDS, SHUTTERS, AND WINDOWS, AND LATCHES AND BOLTS. Registered Dec. 4, 1906. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Re-renewed Dec. 4, 1946. Class 13.

58,043. **KICKAPOO.** REMEDIES FOR THE BLOOD, SKIN, THROAT, MUSCLES, NERVES, AND CERTAIN ORGANS, AND FOR CERTAIN AILMENTS AND DISEASES. Registered Dec. 4, 1906. THE KICKAPOO INDIAN MEDICINE CO., Clintonville, Conn. Re-renewed Dec. 4, 1946, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Class 6.

58,255. **"THERMO" ETC. AND DESIGN.** LUBRICATING OILS AND GREASES. Registered Dec. 11, 1906. HAGERTY REFINING COMPANY, New York, N. Y., a corporation of New York. Re-renewed Dec. 11, 1946. Class 15.

58,414. **"DR. PIERCE'S FAVORITE PRESCRIPTION" AND DESIGN.** REMEDY FOR CHRONIC WEAKNESSES AND COMPLAINTS PECULIAR TO FEMALES. Registered Dec. 11, 1906. RAY V. PIERCE. Re-renewed Dec. 11, 1946, to Pierce's Proprietaries, Inc., Buffalo, N. Y., a corporation of New York. Class 6.

157,360. **KALMINE.** ANALGESIC TABLETS FOR CERTAIN NAMED AILMENTS. Registered Aug. 1, 1922. PAUL METADIER, Tours, France. Renewed Aug. 1, 1942, to Société Civile D'Exploitation de Marques, Paris, France, a corporation of France. Class 6.

187,986. **DENTOSAL.** PREPARATIONS FOR CONSERVATION OF THE TEETH AND THE MOUTH, COMPRISING TOOTH POWDER, TOOTH PASTE, AND GARGLES. Registered Aug. 12, 1924. AKTIEBOLAGET DENTOSAL, Stockholm, Sweden. Renewed Aug. 12, 1944, to Knut E. Luttropp, Boston and Duxbury, Mass. Class 6.

208,221. **ROYAL KINK OUT.** CHEMICAL PREPARATION FOR THE REMOVAL OF KINKS, CURLS, AND UNEVENNESS FROM HAIR. Registered Jan. 19, 1926. ROYAL PERFUME COMPANY, INC. Renewed Jan. 19, 1946, to Royal Beauty Supply Co., Inc., New Orleans, La., a corporation of Louisiana. Class 6.

208,262. **RAMO D'ULIVO.** OLIVE OIL. Registered Jan. 26, 1926. GAVALLA & ZANNOS, New York, N. Y., a firm. Renewed Jan. 26, 1946. Class 46.

208,748. **CUT DEVIL.** CHISELS. Registered Feb. 9, 1926. THE WARREN TOOL AND FORGE CO. Renewed Feb. 9, 1946, to Warren Tool Corporation, Warren, Ohio, a corporation of Ohio. Class 23.

208,749. **SLUG DEVIL.** MAULS. Registered Feb. 9, 1926. THE WARREN TOOL AND FORGE CO. Renewed Feb. 9, 1946, to Warren Tool Corporation, Warren, Ohio, a corporation of Ohio. Class 23.

209,105. **CUPIDSBOW.** LIPSTICKS. Registered Feb. 16, 1926. LOWER & CO., INC. Renewed Feb. 16, 1946, to H. R. Laboratories, Inc., New York, N. Y., a corporation of New York. Class 6.

211,415. **DELECTA.** CHOCOLATE COATINGS. Registered Apr. 13, 1926. LAMONT, CORLISS & COMPANY, New York, N. Y., a corporation of New York. Renewed Apr. 13, 1946. Class 46.

212,649. **"ALWAYS A-HEAD" AND DRAWING.** POULTRY FEED. Registered May 11, 1926. BLACK & WHITE MILLING COMPANY. Renewed May 11, 1946, to Ultra-Life Laboratories, Inc., East St. Louis, Ill., a corporation of Illinois. Class 46.

212,660. **TWIST TEX.** MEN'S COATS, VESTS, PANTS, OVERCOATS AND TOPCOATS. Registered May 11, 1926. LONDONTOWN CLOTHES, INC. Renewed May 11, 1946, to Israel Myers, Baltimore, Md. Class 39.

212,690. **"DEMON" ETC. AND DRAWING.** HAIR DRESSING AND MEDICINE FOR TREATING DISEASES OF THE SCALP. Registered May 11, 1926. CONNER & WALTERS COMPANY, INC., Charlotte, N. C., a corporation of North Carolina. Renewed May 11, 1946. Class 6.

212,701. **WHITE FLAKE.** WHEAT FLOUR. Registered May 11, 1926. MODEL MILL CO., Jackson, Tenn., a corporation of Tennessee. Renewed May 11, 1946. Class 46.

213,106. **ASTI COLONY.** GRAPE JUICE. Registered May 18, 1926. ITALIAN SWISS COLONY, San Francisco, Calif., a corporation of California. Renewed May 18, 1946. Class 47.

213,287. **EDUCATIONAL FOUNDATIONS.** PERIODICAL MAGAZINES ETC. Registered May 25, 1926. HENRY S. CHAPIN. Renewed May 25, 1946, to Educational Foundations, Inc., Brooklyn, N. Y., a corporation of New York. Class 38.

213,382. **"READY REFERENCE" E TC. AND DESIGN.** SEMIANNUAL PUBLICATIONS. Registered May 25, 1926. THE READY REFERENCE PUBLISHING CO. INC., New York, N. Y., a corporation of New York. Renewed May 25, 1946. Class 38.

213,500. **WEE-MODERN.** CERTAIN ARTICLES OF CLOTHING FOR WOMEN, MISSES, AND CHILDREN. Registered June 1, 1926. AMERICAN LADY CORSET CO., Detroit, Mich., a corporation of Michigan. Renewed June 1, 1946. Class 39.

214,021. **"LOTION GARNIER" ETC. AND DRAWING.** LOTION FOR THE HAIR. Registered June 8, 1926. BERNARD GUILPIN, doing business as Laboratoires Garnier, Blois, France. Renewed June 8, 1946, to Laboratoire Garnier, Société à Responsibilité Limitée, Paris, France, a corporation of France. Class 6.

214,134. **SWISSFORT.** CHEESE. Registered June 15, 1926. BENJAMIN J. RABIN, doing business as Robin Packing Co., New York, N. Y. Renewed June 15, 1946. Class 46.

214,277. **BLUE COLOR ON THE INSIDE SURFACE OF A CORE.** TOILET PAPER. Registered June 15, 1926. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Renewed June 15, 1946. Class 37.

214,656. **RADIA-TIZED.** PHOTOGRAPHIC FILMS. Registered June 29, 1926. EASTMAN KODAK COMPANY. Renewed June 29, 1946, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Class 26.

214,831. **"LA LICORNE" AND DRAWING.** AUTOMOBILES. Registered July 6, 1926. AUTOMOBILES CORRE LA LICORNE, Seine, France. Renewed July 6, 1946, to Automobiles La Licorne, Courbevoie (Seine) France, a corporation of France. Class 19.

214,841. **QUEENS BEST.** WHEAT FLOUR. Registered July 6, 1926. MAUSER MILL COMPANY, Laurys, Pa. Renewed July 6, 1946, to Mauser Mill Company, Treichlers, Pa., a corporation of Pennsylvania. Class 46.

214,844. **"FASHION-RIGHT" ETC. AND DESIGN.** CERTAIN NAMED WEARING APPAREL FOR MEN, LADIES, AND MISSES. Registered July 6, 1926. SMITH AND WELTON INCORPORATED, Norfolk, Va., a corporation of Virginia. Renewed July 6, 1946. Class 39.

214,894. **REPRESENTATION OF A WOMAN IN HOOP-SKIRT COSTUME.** MUSTARD SAUCE AND SALAD DRESSING. Registered July 6, 1926. NANCE M. DELMARLE, Rochester, N. Y. Renewed July 6, 1946. Class 46.

214,901. **CELITE CROSS SECTIONS.** HOUSE ORGANS AND SERIAL PUBLICATIONS. Registered July 6, 1926. THE CELITE COMPANY, Los Angeles, Calif. Renewed July 6, 1946, to Johns-Manville Corporation, New York, N. Y., a corporation of New York. Class 38.

215,302. **DEVOLITE.** COLLOIDAL CLAYS, BEING CHEMICAL SUBSTANCES USED IN MANUFACTURES, PHOTOGRAPHY, OR PHILOSOPHICAL RESEARCH AND ANTICORROSIVES. Registered July 13, 1926. ENGLISH CHINA CLAYS LIMITED. Renewed July 13, 1946, to English Clays Lovering Pochin Co. Ltd., St. Austell, England, a corporation of Great Britain. Class 6.

215,303. **STOCKALITE.** COLLOIDAL CLAYS, BEING CHEMICAL SUBSTANCES USED IN MANUFACTURES, PHOTOGRAPHY, OR PHILOSOPHICAL RESEARCH AND ANTICORROSIVES. Registered July 13, 1926. ENGLISH CHINA CLAYS LIMITED. Renewed July 13, 1946, to English Clays Lovering Pochin Co. Ltd., St. Austell, England, a corporation of Great Britain. Class 6.

215,478. **VIMTO.** NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, SIRUPS AND ESSENCES FOR MAKING THE SAME, MINERAL POTABLE WATER, AND GINGER ALE. Registered July 20, 1926. JOHN NOEL NICHOLS, doing business as J. N. Nichols & Co., Salford, England. Renewed July 20, 1946, to J. N. Nichols & Company, Limited, Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 45.

215,819. **STOCKALITE.** COLLOIDAL CLAYS, BEING RAW OR PARTLY-PREPARED VEGETABLE, ANIMAL, AND MINERAL SUBSTANCES USED IN MANUFACTURES. Registered July 27, 1926. ENGLISH CHINA CLAYS, LIMITED. Renewed July 27, 1946, to English Clays Lovering Pochin Co. Ltd., St. Austell, England, a corporation of Great Britain. Class 1.

215,820. **DEVOLITE.** COLLOIDAL CLAYS, BEING RAW OR PARTLY PREPARED VEGETABLE, ANIMAL AND MINERAL SUBSTANCES USED IN MANUFACTURES. Registered July 27, 1926. ENGLISH CHINA CLAYS, LIMITED. Renewed July 27, 1946, to English Clays Lovering Pochin Co. Ltd., St. Austell, England, a corporation of Great Britain. Class 1.

215,857. **REPRESENTATION OF A PICK AND RING, AND "LUMBER CO.".** LUMBER. Registered July 27, 1926. W. R. PICKERING LUMBER COMPANY, Pickering, La., and Kansas City, Mo. Renewed July 27, 1946, to Pickering Lumber Corporation, Standard, Calif., a corporation of Delaware. Class 12.

216,038. **"GATOR HIDE" ETC. AND DRAWING.** KRAFT PAPER. Registered Aug. 3, 1926. BASTROP PULP & PAPER COMPANY, Bastrop, La. Renewed Aug. 3, 1946, to International Paper Company, New York, N. Y., a corporation of New York. Class 37.

216,044. **PICTURE OF A WINDMILL AND SCENERY.** CLEANING PREPARATION IN POWDERED FORM FOR GENERAL HOUSEHOLD PURPOSES WITH WATER-SOFTENING PROPERTIES. Registered Aug. 3, 1926. THE CLIMALENE COMPANY, Canton, Ohio, a corporation of Ohio. Renewed Aug. 3, 1946. Class 4.

216,160. **"SILVER CUP" AND DRAWING.** BREAD. Registered Aug. 3, 1926. GORDON BAKING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Aug. 3, 1946. Class 46.

216,296. **MILPACO.** LEDGER PAPER, MIMEOGRAPH PAPER, CARDS, BRISTOL BOARD, AND CARDBOARD. Registered Aug. 10, 1926. MICHAEL MILTON, doing business as Milton Paper Company. Renewed Aug. 10, 1946, to Milton Paper Company, Inc., New York, N. Y., a corporation of New York. Class 37.

216,428. **"CLIMALENE" AND DRAWING.** CLEANING PREPARATION IN POWDERED FORM FOR GENERAL HOUSEHOLD PURPOSES WITH WATER-SOFTENING PROPERTIES. Registered Aug. 10, 1926. THE CLIMALENE COMPANY, Canton, Ohio, a corporation of Ohio. Renewed Aug. 10, 1946. Class 4.

216,653. **"T" ETC. AND DESIGN.** BUNSEN BURNERS. Registered Aug. 17, 1926. THE AMALGAMATED DENTAL COMPANY LIMITED, London, England, a corporation of Great Britain. Renewed Aug. 17, 1946. Class 26.

216,674. **"T" ETC. AND DESIGN.** CERTAIN NAMED DENTAL APPARATUS AND SUPPLIES. Registered Aug. 17, 1926. THE AMALGAMATED DENTAL COMPANY LIMITED, London, England, a corporation of Great Britain. Renewed Aug. 17, 1946. Class 44.

216,937. **BILT RITE.** LEATHER BOOTS AND SHOES. Registered Aug. 24, 1926. BILT-RITE SHOE CO. Renewed Aug. 24, 1946, to Owen W. Metzger, doing business as Wetherhold & Metzger, Allentown, Pa. Class 39.

217,098. **"TPC" IN A HEXAGON.** CREOSOTE OIL, TAR ACID OIL, DISINFECTANTS, GYPSY-MOTH CREOSOTE, INSECTICIDES, WOOD PRESERVATIVES, LENS PITCH SOLVENT, AND NAPHTHALENE. Registered Aug. 24, 1926. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Renewed Aug. 24, 1946, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Class 6.

217,099. **REPRESENTATION OF A RED HEXAGON.** CREOSOTE OIL, TAR ACID OIL, DISINFECTANTS, GYPSY-MOTH CREOSOTE, INSECTICIDES, WOOD PRESERVATIVES, LENS PITCH SOLVENT, AND NAPHTHALENE. Registered Aug. 24, 1926. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Renewed Aug. 24, 1946, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Class 6.

217,142. **DUROBORD.** PLASTER WALL BOARD AND PLASTER LATH. Registered Aug. 24, 1926. CALIFORNIA CEDAR PRODUCTS COMPANY, Stockton, Calif., a corporation of California. Renewed Aug. 24, 1946. Class 12.

217,143. **REPRESENTATION OF A RED HEXAGON.** CERTAIN KINDS OF TAR AND PITCH. Registered Aug. 24, 1926. TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Renewed Aug. 24, 1946, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Class 1.

217,282. **SUNNY RYE.** BREAD. Registered Aug. 31, 1926. GORDON BAKING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Aug. 31, 1946. Class 46.

217,316. **"THE YELLOW CAN WITH THE BLACK BAND".** INSECTICIDES, DEQDORANTS, AND DISINFECTANTS. Registered Aug. 31, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J., and New York, N. Y. Renewed Aug. 31, 1946, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. Class 6.

217,384. **FLIT.** DETERGENT USED IN LAUNDERING OPERATIONS. Registered Aug. 31, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J., and New York, N. Y. Renewed Aug. 31, 1946, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. Class 4.

217,385. **"FLIT" AND DESIGN.** DETERGENT USED IN LAUNDERING OPERATIONS. Registered Aug. 31, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J., and New York, N. Y. Renewed Aug. 31, 1946, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. Class 4.

217,386. **"FLIT" AND DESIGN.** DETERGENT USED IN LAUNDERING OPERATIONS. Registered Aug. 31, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J., and New York, N. Y. Renewed Aug. 31, 1946, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. Class 4.

217,404. **REPRESENTATION OF A WHITE DOT.** PENS AND PENCILS. Registered Aug. 31, 1926. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa, a corporation of Delaware. Renewed Aug. 31, 1946. Class 37.

217,643. **FIELD AND STREAM.** LEATHER BLOUSES, LEATHER VESTS, SHEEP-LINED JACKETS, AND SHEEP-LINED COATS. Registered Sept. 7, 1926. GORDON & FERGUSON, INC. Renewed Sept. 7, 1946, to Gordon & Ferguson, Inc., St. Paul, Minn., a corporation of Minnesota. Class 39.

218,362. **"WELLS" AND DESIGN.** ELECTRICAL WAFFLE IRONS AND WAFFLE BAKERS. Registered Sept. 28, 1926. WELLS MANUFACTURING COMPANY, San Francisco, Calif., a corporation of California. Renewed Sept. 28, 1946. Class 21.

218,475. **HATCHET.** CAMPHORATED OIL, GLYCERIN, LIQUID BLUING, CASTOR OIL. Registered Sept. 28, 1926. THE TWITCHELL-CHAMPLIN COMPANY, Portland, Maine, and Boston, Mass. Renewed Sept. 28, 1946, to The Twitchell-Champlin Co., Portland, Maine, a corporation of Maine. Class 6.

218,476. **REPRESENTATION OF A HATCHET.** CAMPHORATED OIL, GLYCERIN, LIQUID BLUING, CASTOR OIL. Registered Sept. 28, 1926. THE TWITCHELL-CHAMPLIN COMPANY, Portland, Maine, and Boston, Mass. Renewed Sept. 28, 1946, to The Twitchell-Champlin Co., Portland, Maine, a corporation of Maine. Class 6.

218,720. **MI-S-CO.** SOAPS. Registered Oct. 5, 1926. MILLERS SOAP COMPANY, Reading, Pa., a firm. Renewed Oct. 5, 1946. Class 4.

219,290. **"WOODLAND" ETC. AND DRAWING.** TOILET PAPER. Registered Oct. 12, 1926. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Renewed Oct. 12, 1946. Class 37.

219,584. **"FLIT" AND DESIGN.** INSECTICIDES, DEODORANTS, AND DISINFECTANTS. Registered Oct. 19, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J., and New York, N. Y. Renewed Oct. 19, 1946, to Stanco Incorporated, New York, N. Y., a corporation of Delaware. Class 6.

219,588. **"DR. W. B. CALDWELL'S" ETC. AND PORTRAIT.** PREPARATION FOR THE TREATMENT OF CONSTIPATION AND CONDITIONS RESULTING FROM IT. Registered Oct. 19, 1926. PEPSIN SYRUP COMPANY, Monticello, Ill. Renewed Oct. 19, 1946, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

219,593. **SUPER-SULFODUST.** PARASITICIDES. Registered Oct. 19, 1926. NIAGARA SPRAYER COMPANY, Middleport, N. Y. Renewed Oct. 19, 1946, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware. Class 6.

219,594. **WET-TEX.** PARASITICIDES. Registered Oct. 19, 1926. NIAGARA SPRAYER COMPANY, Middleport, N. Y. Renewed Oct. 19, 1946, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware. Class 6.

219,595. **SULFODUST.** PARASITICIDES. Registered Oct. 19, 1926. NIAGARA SPRAYER COMPANY, Middleport, N. Y. Renewed Oct. 19, 1946, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware. Class 6.

219,596. **KOLOTEX.** PARASITICIDES. Registered Oct. 19, 1926. NIAGARA SPRAYER COMPANY, Middleport, N. Y. Renewed Oct. 19, 1946, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware. Class 6.

219,597. **POMODUST.** PARASITICIDES. Registered Oct. 19, 1926. NIAGARA SPRAYER COMPANY, Middleport, N. Y. Renewed Oct. 19, 1946, to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware. Class 6.

219,788. **HO-RO-CO.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered Oct. 26, 1926. HO-RO-CO MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Oct. 26, 1946. Class 6.

219,806. **BLACK DIAMOND.** SMITHING COAL. Registered Oct. 26, 1926. STAHMER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Oct. 26, 1946. Class 1.

219,839. **"L M & CO" AND DESIGN.** LAMPBLACKS AND CARBON BLACK. Registered Oct. 26, 1926. THE L. MARTIN COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Oct. 26, 1946. Class 16.

219,850. **T J.** METAL-WORKING MILLS AND CUTTERS, TOOL CHUCKS, CUTTER HEADS, AND BORING HEADS. Registered Oct. 26, 1926. THE TOMKINS-JOHNSON COMPANY, Jackson, Mich., a corporation of Michigan. Renewed Oct. 26, 1946. Class 23.

220,175. **REPRESENTATION OF A TOTEM POLE.** GARDEN AND FIELD SEEDS. Registered Nov. 2, 1926. MORRISON SEED COMPANY, Spokane, Wash. Renewed Nov. 2, 1946, to Morrison Bros. Seed Company, Dishman, Wash., a corporation of Washington. Class 1.

220,182. **"EVEN MELT" ETC. AND DESIGN.** SAND, AND MORE PARTICULARLY FOR SUCH SAND AS IS USED FOR THE MANUFACTURE OF GLASS. Registered Nov. 2, 1926. UNITED STATES SILICA CO., Chicago, Ill. Renewed Nov. 2, 1946, to Ottawa Silica Company, Ottawa, Ill., a corporation of Delaware. Class 1.

220,288. **"KENTUCKY BELLE" AND DRAWING.** COAL. Registered Nov. 9, 1926. UNIVERSITY AVENUE COAL CO., INC., Des Moines, Iowa, a corporation of Iowa. Renewed Nov. 9, 1946. Class 1.

220,485. **CREPE ELDORA.** SILK FABRICS. Registered Nov. 9, 1926. THE CORTICELLI SILK COMPANY, Florence, Northampton, Mass. Renewed Nov. 9, 1946, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut. Class 42.

220,502. **CAL-PRO.** ORANGES, LEMONS, AND GRAPEFRUIT IN THEIR NATURAL STATE. Registered Nov. 9, 1926. CENTRAL CALIFORNIA PRODUCERS. Renewed Nov. 9, 1946, to Central California Producers, Oakland, Calif., a corporation of California. Class 46.

220,532. **BEACHLAWN.** AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN. Registered Nov. 9, 1926. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed Nov. 9, 1946. Class 42.

220,559. **CORWICO.** INSULATED AND UNINSULATED WIRE FOR ELECTRICAL USE. Registered Nov. 9, 1926. CORNISH WIRE COMPANY, INCORPORATED, New York, N. Y. Renewed Nov. 9, 1946, to Cornish Wire Company Incorporated, Paterson, N. J., a corporation of New York. Class 21.

220,792. **RED COLOR ON THE OUTSIDE AND INSIDE SURFACES OF A CORE.** TOILET PAPER. Registered Nov. 16, 1926. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Renewed Nov. 16, 1946. Class 37.

220,804. **HEMO-GENIN.** ANÆMIA COMPOUND. Registered Nov. 16, 1926. FREDERICK STEARNS & COMPANY, Detroit, Mich. Renewed Nov. 16, 1946, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware. Class 6.

220,830. **"CORWICO" AND DESIGN.** INSULATED AND UNINSULATED WIRE FOR ELECTRICAL USE. Registered Nov. 16, 1926. CORNISH WIRE COMPANY, INCORPORATED, New York, N. Y. Renewed Nov. 16, 1946, to Cornish Wire Company Incorporated, Paterson, N. J., a corporation of New York. Class 21.

220,846. **"O. B. C." ETC. AND DESIGN.** THREAD. Registered Nov. 16, 1926. STANDARD THREAD COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Nov. 16, 1946. Class 43.

220,864. **HORSHU.** CHILDREN'S LEATHER SHOES. Registered Nov. 16, 1926. JACOB H. COHEN. Renewed Nov. 16, 1946, to Charles Cohen, doing business as Peter Pan Shoe Stores, Brooklyn, N. Y. Class 39.

220,882. **"BARCO" AND DESIGN.** PAPER BAGS AND CASES USED TO RECEIVE NUTS, CONDIMENTS, ETC.; PAPER PLATES, SODA-FOUNTAIN CUPS, AND SOUFFLET CASES. Registered Nov. 16, 1926. B. A. RAILTON CO., Chicago, Ill., a corporation of Illinois. Renewed Nov. 16, 1946. Class 2.

220,883. **"SUNNY" ETC. AND DESIGN.** PAPER BAGS AND CASES USED TO RECEIVE NUTS, CONDIMENTS, ETC.; PAPER PLATES, SODA-FOUNTAIN CUPS, AND SOUFFLET CASES. Registered Nov. 16, 1926. B. A. RAILTON CO., Chicago, Ill., a corporation of Illinois. Renewed Nov. 16, 1946. Class 2.

220,888. **VITA.** PLATE GLASS AND GLASS IN BULK WHICH IS TRANSPARENT TO THE CURATIVE ULTRA-VIOLET RAYS OF DAYLIGHT AND OTHER LIGHT SOURCES. Registered Nov. 16, 1926. FRANCIS EVERHARD LAMPLOUGH, Birmingham, England. Renewed Nov. 16, 1946, to Vitaglass Corporation, New York, N. Y., a corporation of New York. Class 33.

220,894. **"SUNNY" ETC. AND DESIGN.** NONALCOHOLIC MALTLESS SIRUP FOR MAKING SOFT-DRINKS. Registered Nov. 16, 1926. B. A. RAILTON CO., Chicago, Ill., a corporation of Illinois. Renewed Nov. 16, 1946. Class 45.

220,901. **"BUSCH" ETC. AND DRAWING.** GINGER ALE. Registered Nov. 16, 1926. ANHEUSER-BUSCH, INC., St. Louis, Mo., a corporation of Missouri. Renewed Nov. 16, 1946. Class 45.

220,932. **"GREAT BEAR" ETC. AND DRAWING.** TABLE WATER. Registered Nov. 16, 1926. GREAT BEAR SPRING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Nov. 16, 1946. Class 45.

220,980. **"ESMOND" ETC. AND DRAWING.** TEXTILE BLANKETS. Registered Nov. 23, 1926. THE ESMOND MILLS. Renewed Nov. 23, 1946, to The Esmond Mills, Incorporated, Esmond, Smithfield, R. I., a corporation of Delaware. Class 42.

221,163. **RUBBERLITH.** LITHOPHONE. Registered Nov. 23, 1926. WISHNICK-TUMPEER CHEMICAL CO. Renewed Nov. 23, 1946, to Witco Chemical Company, Chicago, Ill., a corporation of Illinois. Class 16.

221,164. **"THE THOMSON" ETC. AND DRAWING.** LOAF MOLDERS. Registered Nov. 23, 1926. THOMSON MACHINE COMPANY, Belleville, N. J., a corporation of New Jersey. Renewed Nov. 23, 1946. Class 23.

221,171. **"JOHN WEST'S MIDDLE-CUT" ETC. AND DRAWING.** CANNED SALMON. Registered Nov. 23, 1926. PELLING, STANLEY & CO. LTD., Liverpool, England, a corporation of England. Renewed Nov. 23, 1946. Class 46.

221,227. **NITRO-VALSPAR.** CERTAIN NAMED PAINTERS' MATERIALS. Registered Nov. 23, 1926. VALENTINE & COMPANY. Renewed Nov. 23, 1946, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. Class 16.

221,250. **FIBRIT.** SOLVENT. Registered Nov. 23, 1926. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main and Ludwigshafen-on-the-Rhine, Germany. Renewed Nov. 23, 1946, to General Dyestuff Corporation, New York, N. Y., a corporation of New York. Class 6.

221,332. **QUILT.** HEAT INSULATOR FOR RESIDENCES, COLD-STORAGE AND ALL OTHER BUILDINGS, AND A SOUND DEADENER FOR FLOORS, PARTITIONS, AND OTHER USES. Registered Nov. 30, 1926. SAMUEL CABOT, INC., Boston, Mass., a corporation of Massachusetts. Renewed Nov. 30, 1946. Class 21.

221,350. **QUAKER.** BAKERY GOODS DESCRIBED AS COOKIES, CAKES, AND WAFERS. Registered Nov. 30, 1926. PAUL SCHULZE BISCUIT CO. Renewed Nov. 30, 1946, to Schulze and Burch Biscuit Co., Chicago, Ill., a corporation of Illinois. Class 46.

221,375. **"HARDWARE" AND DESIGN.** CLOTH OF COTTON, LINEN, SILK, AND COMBINATIONS THEREOF, BOTH IN THE PIECE AND IN THE BOLT, FOR SHIRTS, BLOUSES, AND SUITS. Registered Nov. 30, 1926. ELDER MFG. CO., St. Louis, Mo., a corporation of Missouri. Renewed Nov. 30, 1946. Class 42.

221,405. **HATCHET.** CANNED APPLES, APRICOTS, BLUEBERRIES, CHERRIES, GRAPEFRUIT, LOGANBERRIES, PEACHES, PEARS, PINEAPPLE, PLUMS, STEWED PRUNES, RASPBERRIES, RHUBARB, STRAWBERRIES, AND FRUITS FOR SALAD; AND CERTAIN OTHER NAMED GROCERIES. Registered Nov. 30, 1926. THE TWITCHELL-CHAMPLIN COMPANY, Portland, Maine, and Boston, Mass. Renewed Nov. 30, 1946, to The Twitchell-Champlin Co., Portland, Maine, a corporation of Maine. Class 46.

221,428. **"BUSCH" ETC. AND DRAWING.** GINGER ALE. Registered Nov. 30, 1926. ANHEUSER-BUSCH, INC., St. Louis, Mo., a corporation of Missouri. Renewed Nov. 30, 1946. Class 45.

221,461. **PRIMO DEL REY.** CIGARS AND CIGARETTES. Registered Nov. 30, 1926. CUESTA, REY AND COMPANY, Tampa, Fla., a corporation of Florida. Renewed Nov. 30, 1946. Class 17.

221,572. **GARDEN SPOT.** BOLOGNA SAUSAGE AND PORK PRODUCTS—NAMELY, PORK SAUSAGE, HAMS, BACON, TONGUE LOAF, BUTTS, PUDDING, AND SCRAPPLE, PURE LARD. Registered Dec. 7, 1926. EZRA W. MARTIN. Renewed Dec. 7, 1946, to Ezra W. Martin Company, Lancaster, Pa., a corporation of Pennsylvania. Class 46.

221,599. **RAYO.** FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS, DRIED FRUITS, FRESH GRAPES, FRESH CANTALOUPES, FRESH HONEYDEWS, FRESH CASABAS. Registered Dec. 7, 1926. J. D. MARTIN, Fresno, Calif. Renewed Dec. 7, 1946. Class 46.

221,664. **COLORETTES.** FOOD COLORS. Registered Dec. 7, 1926. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Renewed Dec. 7, 1946. Class 6.

221,721. **FERNCLIFF.** FEEDS AND FEEDSTUFFS FOR HORSES, MULES, DAIRY CATTLE, POULTRY, AND SWINE. Registered Dec. 7, 1926. FERNCLIFF FEED & GRAIN CO., Louisville, Ky., a corporation of Kentucky. Renewed Dec. 7, 1946. Class 46.

221,742. **UNIPOWER.** CURRENT-SUPPLY DEVICES FOR RADIO RECEIVING SETS AND STORAGE-BATTERY-CHARGING SETS. Registered Dec. 7, 1926. GOULD STORAGE BATTERY COMPANY, INC., New York, N. Y. Renewed Dec. 7, 1946, to National Battery Company, St. Paul, Minn., a corporation of Delaware. Class 21.

221,746. **CLASSIE LASSIE PRINTS.** KNITTED AND WOVEN SILKS, ARTIFICIAL SILKS, COTTON, AND MIXTURES THEREOF IN THE PIECE. Registered Dec. 7, 1926. CHOPAK TEXTILE COMPANY INC., New York, N. Y., a corporation of New York. Renewed Dec. 7, 1946. Class 42.

222,605. **"FINCHLEY" AND DESIGN.** MEN'S COATS, VESTS, PANTS, OVERCOATS, HATS, CAPS, NECKTIES, DRESS, NEGLIGEE, AND UNDER SHIRTS OF KNITTED AND TEXTILE FABRIC, STOCKINGS, SOCKS, BOOTS AND SHOES OF LEATHER, RUBBER, AND FABRIC AND COMBINATIONS THEREOF, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Jan. 4, 1927. FINCHLEY, INC., New York, N. Y., a corporation of New York. Renewed Jan. 4, 1947. Class 39.

PATENTS

GRANTED NOVEMBER 19, 1946

2,411,141
POLYAMINE RESINS AND THE METHOD OF PREPARING THE SAME

Chester E. Adams, Highland, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application April 30, 1943, Serial No. 485,157

16 Claims. (Cl. 260—2)

12. The method of preparing a polyamine resin comprising reacting a mixture of a poly(haloalkyl) aromatic hydrocarbon having at least two active haloalkyl groups, capable of precipitating a silver halide from a silver nitrate solution in the cold, substituted in the aromatic nucleus, with a concentrated aqueous ammonia solution sufficiently concentrated to avoid hydrolysis of the poly(haloalkyl) aromatic hydrocarbon in the presence of a basic acid acceptor at a temperature ranging upward from room temperature to below about 480° F. and at a pressure sufficient to maintain the reactants in the liquid phase at the reaction temperature, at least two mols of ammonia being used for each six atoms of halogen in the aromatic hydrocarbon, extracting the reaction mass with a hot inert solvent and drying the extracted reaction mass.

2,411,142
SYNTHETIC FUSIBLE AMINE RESINS AND THE METHOD OF OBTAINING THE SAME

Charles D. Kelso, Crete, Ill., and Chester E. Adams, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application April 30, 1943, Serial No. 485,158

12 Claims. (Cl. 260—2)

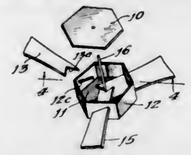
4. The method described in claim 3 in which the aromatic hydrocarbon is a poly(haloalkyl) poly-nuclear aromatic hydrocarbon having at least two active haloalkyl groups, capable of precipitating a silver halide from a silver nitrate solution in the cold, substituted in the aromatic nucleus.

2,411,143
PROPELLER

André Georges Alizier, Chicago, Ill., assignor to Comet Model Airplane & Supply Company, Incorporated, a corporation of Illinois

Application November 15, 1943, Serial No. 510,329

4 Claims. (Cl. 170—159)



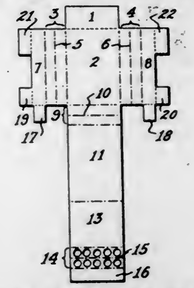
2. A method of constructing a propeller for model airplanes, comprising shaping flat blades from plane sheet material, shaping front and back hub members from plane sheet material, forming a slotted strip of sheet material around the periphery of one of said members, inserting a small rod-like element through the center of the hub members for centering the inner ends of said blades, inserting the blades in the slots in said strip, removing the rod-like element, fastening the blades together and to the strip, and bringing the other hub member into place.

2,411,144
METHOD OF MAKING KNOCKED-DOWN BOXES AND IMPROVED CARTRIDGE CONTAINERS

Robert Morris Bergstein, Cincinnati, Ohio

Application November 3, 1941, Serial No. 417,622

6 Claims. (Cl. 93—49)



1. The method of making knocked-down boxes from cut and creased blanks having a front wall, with side walls having medial lines of fold therein articulated thereto, glue flaps articulated to said side walls, a bottom wall with a medial line of fold therein, a back wall having an inner supporting panel articulated thereto, said inner supporting panel having foldedly connected thereto a partition panel with a medial fold line therein and a glue flap articulated to said partition panel, which includes moving said blanks along in a part parallel to the medial fold line in the bottom wall, folding inwardly along the line of articulation of the back wall and the inner supporting panel and folding reversely along the medial line in the partition panel, retaining all folds in folded position and folding inwardly along the medial line of said bottom wall, changing the direction of motion of the blanks and moving them parallel to the medial fold lines of the side walls, and folding inwardly along said side wall medial fold line.

5. The method of making boxes knocked-down on medial lines of fold which includes making an inward fold and a reverse fold in panels articulated to one main body wall blank, and folding said wall into superposed position over the opposite main body wall said last named fold being carried out on a medial line of fold in a bottom wall connecting said two main body walls.

2,411,145
INGREDIENTS FOR PRODUCING HIGH EXPLOSIVES

Michele Bonotto, Princeton, N. J., assignor to Dorothy Di Frasso, Beverly Hills, Calif.

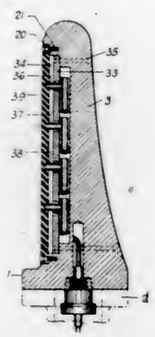
No Drawing. Application December 15, 1941, Serial No. 423,038

5 Claims. (Cl. 260—112)

4. A high explosive ingredient consisting of the nitrated solid compound resulting from the ni-

tration of the substantially oil-free, substantially undenaturate solid product of the commercial solvent extraction of oil from the edible-oil group of oil bearing seeds, and containing nitro protein complex of the order of fifty-six per cent (56%) to sixty-two per cent (62%) of the entire product and having the characteristic that it does not possess sufficient oxygen to cause said nitrated compound to have inherent explosive qualities, is not ignitable upon heating to a high degree of heat produced by a red hot heater and is ignitable with difficulty by contact with an open flame, but said product when mixed with inherently-explosive, oxygen-containing material is explodable by conventional methods, and when so exploded, decomposition of the entire mixture takes place and is accompanied with the development of considerable heat.

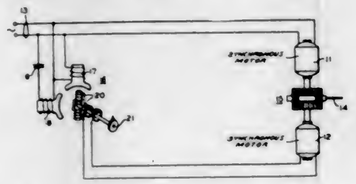
2,411,146
SOUND SIGNALING APPARATUS
Ivan C. Clement, Greenwood, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application June 14, 1933, Serial No. 675,700. Divided and this application September 29, 1936, Serial No. 103,163
8 Claims. (Cl. 177—386)



8. An electromechanical energy interchanging device comprising, in combination, a diaphragm, a casing, a plurality of piezoelectric crystal units, means mounting and supporting said crystal units in some areas near the side edges thereof within said casing with the crystal units positioned substantially in the same plane, and individual means connecting each of said crystal units in areas at other side edges thereof to the diaphragm at a plurality of spaced points over the same, said crystal units being otherwise unsupported in said last-mentioned areas whereby said crystal units are operated with a flexural movement.

2,411,147
REMOTE-CONTROL SYSTEM AND APPARATUS
Austin G. Cooley, New York, N. Y., assignor to Times Telephoto Equipment Inc., New York, N. Y., a corporation of New York
Application October 28, 1943, Serial No. 508,041
6 Claims. (Cl. 172—239)

1. In a remote control system, in combination, an object to be controlled, motor mechanism arranged to position said object, said motor mechanism comprising two single-phase synchronous motors and a pivoted actuating member tuned in accordance with the difference in rotative speeds of said motors, a single control circuit to said motors, means for supplying relatively variable frequency alternating currents to said control cir-

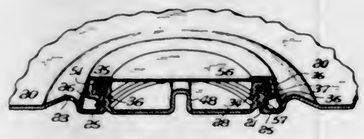


cuit and for separating the currents at the end of said circuit adjacent the motors to vary the relative speeds of said motors and thereby control the position of said object.

2,411,148
ANTHRAQUINONE DYESTUFFS
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 23, 1943, Serial No. 507,486
5 Claims. (Cl. 260—376)

1. Anthraquinone dyestuffs containing in the 1-position a hydroxyalkylamino group esterified with an organic acid radical and in the 4-position a hydroxyalkylamino group.

2,411,149
CLOSURE FOR SHEET-METAL CONTAINER OPENINGS
Howard W. Dodson, Philadelphia, Pa., assignor to United Steel Barrel Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application July 20, 1939, Serial No. 285,477. Divided and this application August 12, 1943, Serial No. 498,289
1 Claim. (Cl. 220—39)

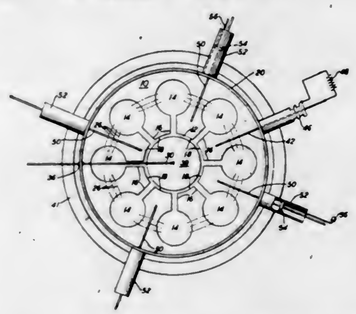


In a sheet metal container, a generally cylindrical bung-flange drawn integrally from said container and defining an opening in a wall thereof, said bung-flange extending outwardly from said wall and providing a gasket seat at its outer end, said bung-flange being helically corrugated to provide an internal screw-thread and an external screw-thread thereon, an annular gasket disposed upon said gasket-seat, a screw-threaded bung operatively engaged with the internal screw-threads of said bung-flange, said bung having an annular transversely-extending shoulder formed thereon for compressing said gasket upon said gasket-seat, said shoulder having an annular flange formed thereon for enclosing said gasket seat and for confining said gasket therewithin, and an over-size tamper-resistant cap of readily deformable material fitted over said bung and said bung-flange and generally spaced apart therefrom, said cap being crimped against the external screw threads of said bung-flange and being incapable of removal without deformation.

2,411,150
OIL BLEND
Hector C. Evans, Cranford, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 20, 1941, Serial No. 411,652
12 Claims. (Cl. 252—56)

1. A lubricating oil comprising a hydrocarbon lubricating oil blended with about 1% to 5% by weight of a polybutene viscosity index improving thickener and homogeneously blended with about 4 to 50% by weight of a substantially non-volatile oxy-ester which is a non-solvent for said polybutene at temperatures below 100° F. as shown by its ability to precipitate polybutene from a 10% solution thereof in a light hydrocarbon solvent when added at room temperature in amounts of from about 20 to 300% based on said solution, said oxy-ester being homogeneously dissolved in the thickened blend to substantially reduce the viscosity thereof at 100° F. and increase the viscosity index of the thickened oil blend.

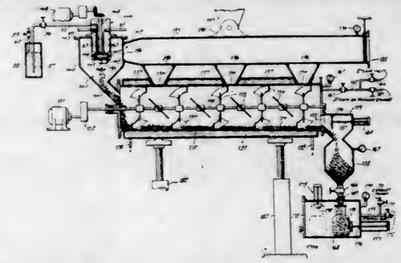
2,411,151
OUTPUT COUPLING FOR HIGH-FREQUENCY OSCILLATORS
James B. Fisk, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1942, Serial No. 441,406
15 Claims. (Cl. 250—36)



1. In a high frequency magnetron device having a plurality of spaced anode surfaces interconnected by a like plurality of open-ended cavity resonators, and in which adjacent anode surfaces and cavities are intercoupled by high frequency electromagnetic fields existing in a region adjacent the open ends of said resonators, means for withdrawing oscillatory energy from said device which comprises a conductor extending into the end space of said device and disposed adjacent said open resonator ends in a plane substantially midway between two adjacent cavities in position to link a part of the magnetic flux which is common to said resonators and to avoid linking flux which is exclusively associated with either one of said resonators singly.

2,411,152
METHOD FOR FREEZING AND DRYING LIQUIDS AND SEMISOLIDS
Theodore R. Folsom, New York, N. Y.
Application May 2, 1941, Serial No. 391,561
21 Claims. (Cl. 83—91)

1. The method of freezing a substance including at least one liquid and at least one solid which comprises introducing said substance to be frozen in the form of small drops into a chamber, said chamber being under a vacuum so extremely high as to provide an extremely low vapor pressure of water and to effect instantaneous freezing of the substance and the removal of the water vapor



therefrom by vaporization, and agitating the frozen drops of said substance within said chamber while simultaneously applying heat thereto in order to remove practically all the moisture in said drops and while keeping them cooled below freezing.

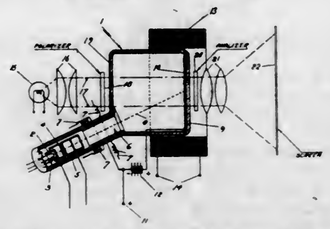
2,411,153
MINERAL OIL COMPOSITION AND IMPROVING AGENT
Everett W. Fuller and Henry G. Berger, Woodbury, and Robert H. Williams, Merchantville, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application February 29, 1944, Serial No. 524,490
6 Claims. (Cl. 252—46.7)

1. An improved mineral oil composition comprising a viscous mineral oil and in admixture therewith a minor proportion, from about 0.1 per cent to about 5 per cent, of an oil-soluble, phosphorus- and sulfur-containing reaction product obtained by reaction of substantially one mol of phosphorus pentasulfide and four mols of oleyl alcohol at a temperature from about 125° C. to about 150° C., the reaction time-reaction temperature relationship being so maintained that the acidity of said reaction product is not greater than about 25.

2,411,154

WITHDRAWN

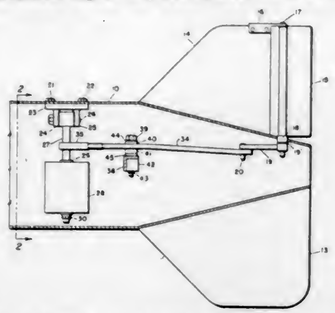
2,411,155
TELEVISION RECEIVING SYSTEM
Elmer J. Gorn, Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application September 14, 1944, Serial No. 554,059
9 Claims. (Cl. 88—61)



1. In combination: a transparent film of magnetic material; means for passing a beam of po-

larized light through said film; means for creating a magnetic field through said film to rotate the initial plane of polarization of said light; and means for altering the magnetic properties of said film, whereby the angle through which said plane of polarization is rotated may be varied.

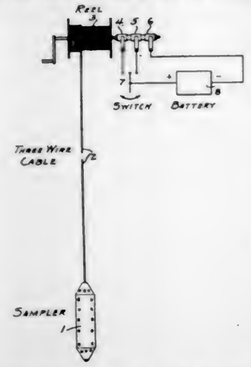
2,411,156
AUTOMATIC STABILIZER
George Grimminger, Washington, D. C.
Application March 26, 1943, Serial No. 480,640
2 Claims. (Cl. 114—126)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a towed underwater body, means automatically maintaining lateral and directional stability comprising a pendulum including a supporting bar and a bob, a bracket in the top of the body for supporting the pendulum for swinging movement transversely of the central vertical longitudinal plane of the body, a vertical rudder having a post extending into the body aft of the pendulum, said post supporting said rudder for swinging movement into and out of the said central vertical longitudinal plane of the body, a tiller fixed to and extending forwardly of said post, said tiller provided at its forward end portion with a vertical crank pin, a bar fixed transversely within said body intermediate the pendulum and the tiller and provided with a vertical pivot, and a lever having forked forward and after ends respectively straddling said supporting bar and said crank pin, said lever being mounted for swinging movement about said vertical pivot, said bob being of a mass sufficient to control the rudder without the aid of any power source, said pendulum upon alignment with said central vertical longitudinal plane so disposing said lever as to align said rudder with said longitudinal plane, and said pendulum upon transverse swinging movement in either direction imparting movement to said lever to swing said rudder in a corresponding direction.

2,411,157
MEANS FOR COLLECTING GAS ANALYSIS SAMPLES
William J. Fene and George L. Freas, Pittsburgh, Pa., assignors to the Government of the United States, as represented by the Secretary of the Interior
Application June 8, 1943, Serial No. 490,062
2 Claims. (Cl. 23—257)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In apparatus of the character and for the purpose described, the combination of an electric power source with an electrically-controlled gas sampling device actuated thereby, a multiple-conductor electric cable connecting said source with said sampling device and supporting the latter, reeling means engaging said cable for varying the effective length thereof, and a switching device connected to said cable for selectively energizing pairs of conductors therein, said sampling device including a protective perforated



housing supported by said cable, an evacuated container detachably secured in said housing longitudinally thereof, a frangible tip depending from said container for unsealing the same upon rupture, a solenoid containing a plunger adjacent said tip and at an angle to said tip axis in relation thereto such that the plunger moves in a path to engage said tip to rupture the same, and two electrical connections from said cable to said solenoid.

2,411,158
SATURATED POLYFLUORO CARBONYL COMPOUNDS AND THEIR PREPARATION
William Edward Hanford, Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1943, Serial No. 484,298
8 Claims. (Cl. 260—586)

5. A mixture of saturated organic tetrafluoroethyl compounds having the following general formula:

$$H(CF_2CF_2)_nZ$$

wherein ZH is a saturated organic compound of at least two carbon atoms containing only carbon, hydrogen and oxygen selected from the class consisting of aliphatic and cycloaliphatic acids, esters and ketones, and n is an integer between 1 and 25.

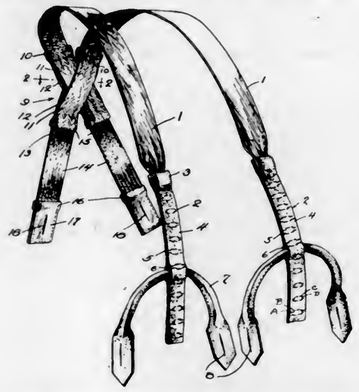
2,411,159
LUBRICANT
William Edward Hanford, Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1943, Serial No. 495,767
13 Claims. (Cl. 252—29)

1. A lubricating composition comprising the reaction product of tetrafluoroethylene with a saturated non-polymerizable organic compound of the general formula XY where X is a member selected from the group consisting of hydrogen and halogen and Y is a monovalent saturated organic radical, said reaction product consisting of from two to about 25 tetrafluoroethylene units per unit of organic compound.

2,411,160
BENEFICIATING MINERAL OILS
Everett C. Hughes, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 13, 1941, Serial No. 374,203
11 Claims. (Cl. 252—46.7)

1. A mineral oil beneficiated with a small amount of the reaction product of cashew nut shell oil and phosphorus pentasulphide.

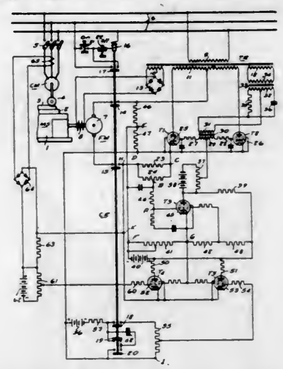
2,411,161
SUSPENDERS
Henry L. Jackson, White Plains, N. Y.
Application September 9, 1944, Serial No. 553,408
4 Claims. (Cl. 2—325)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a garment-supporting device, shoulder straps, button-engaging tabs carried by one end of said shoulder straps, a plurality of layers of woven fabric secured to the opposite end of said straps, transverse walls formed by weaving together portions of said layers so as to define an opening between said layers, and a button-tab strap carried in said opening and supported by one of said defining walls.

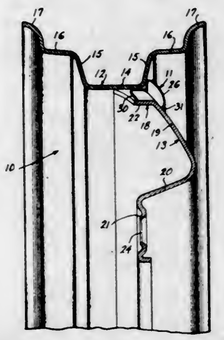
2,411,162
CONTROL SYSTEM
George E. King, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1944, Serial No. 566,723
5 Claims. (Cl. 172—239)

1. A machine tool control system, comprising a tool operating motor, a direct-current feed motor, alternating current supply means for said feed motor, electronic rectifier means of the gaseous discharge type connected to said supply means for energizing said feed motor by rectified current derived from said supply means, said rectifier means having a control circuit for varying the voltage of said rectified current and thereby the speed of said feed motor, an electronic vacuum tube having a plate circuit connected with said control circuit and a grid circuit for controlling said plate circuit, adjustable circuit means connected with said grid circuit for imposing thereon a voltage adjusted in accordance with a selected value of motor speed, and electric circuit means disposed for measuring the load of said tool operating motor and connected to said grid circuit for superimposing another voltage thereon so as to vary said rectified voltage in dependence upon said load current, said circuit means comprising an electronic tube having a plate circuit connected with said control circuit and having a grid circuit equipped with adjust-



able potentiometer means for providing a cut-off bias of selective magnitude and with a circuit member for providing oppositely acting bias variable in accordance with the load current of the cutter motor in order to cause a reduction in voltage of said rectified current when said load current exceeds a value determined by the selected adjustment of said potentiometer means.

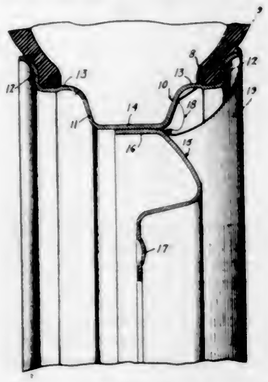
2,411,163
WHEEL TRIM
George Albert Lyon, Allenhurst, N. J.
Original application January 20, 1940, Serial No. 314,818, now Patent No. 2,316,346, dated April 13, 1943. Divided and this application July 2, 1942, Serial No. 449,396
3 Claims. (Cl. 301—37)



1. A trim ring for attachment to a wheel having a rim part and a body part secured concentrically against the inner surface of the rim part, said body part having circumferentially spaced, depressed portions at the edge thereof adjacent said rim part and having axially inwardly disposed flanges bordering said depressed portions, said trim ring including an annular part arranged to cover a portion of the wheel and retaining means for securing the same to the wheel, said retaining means including a plurality of radially inwardly, axially outwardly disposed fingers arranged for engagement with the adja-

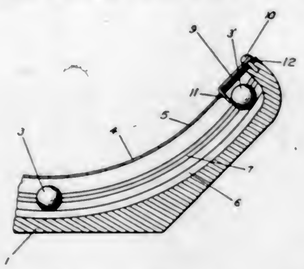
cent flange of the body part when wedgingly engaged into a respective opening defined by a depressed portion of the body part, said annular part of the ring having an intermediate circular shoulder portion arranged to supportingly shoulder against an adjacent portion of the outer surface of the wheel when the fingers are wedged into the wheel opening.

2,411,164
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application July 22, 1943, Serial No. 495,680
12 Claims. (Cl. 301—37)



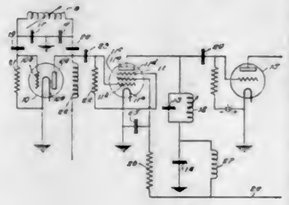
1. In a wheel construction including a multi-flanged tire rim part and a body part joined thereto, spring clip means for holding a wheel cover member on the wheel comprising a plurality of spaced clips each including a generally radially extending strip disposed over a flange of the rim part and having an outer edge wedged into engagement with an annular flange of the rim part and an inner edge wedged into engagement with said body part adjacent the junction of said wheel parts, said strip having an intermediate projection constructed and arranged to be engaged by a cover member for holding the cover member on the wheel.

2,411,165
CLINOMETER
Lewis M. McBride, United States Army
Application September 16, 1943, Serial No. 502,588
2 Claims. (Cl. 33—206)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A clinometer comprising means providing a closed runway having a transparent wall, a scale on said wall, and a pair of rolling members confined within the runway and adapted to roll therein by action of gravity upon inclination of the runway lengthwise, said rolling members being adapted to be read against the graduations of said scale and co-acting by reason of frictional contact between the surfaces thereof and the opposing rotation of the rolling members while in surface contact, to produce a damping action on the respective rolling members whereby oscillation is reduced and the rolling members come to a prompt position of rest when the clinometer is in a position of rest, and means at one end of said runway for releasably securing a selected one of said rolling members against rolling therein by the action of gravity upon inclination of the runway.

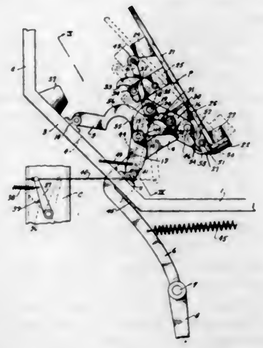
2,411,166
FREQUENCY MULTIPLIER
Roy H. Olson, Marion, Iowa, assignor to Collins Radio Company, a corporation of Iowa
Application October 2, 1942, Serial No. 460,560
10 Claims. (Cl. 250—36)



9. A frequency multiplier of the character described, including: a tube having at least cathode, grid, and plate elements; means for causing periodic pulses of plate current at a certain frequency; an output circuit connected to said plate, said circuit including a tank circuit tuned to a multiple of said frequency and a condenser in series with said tank circuit, said condenser having a capacity such that its reactance at said frequency is greater than that which would be required to provide series resonance at said frequency; a second tube having at least cathode, grid and plate elements; a grid circuit for said second tube coupled to said output circuit; and means providing a negative bias on the grid of the second tube such that the negative peaks of the grid voltage variations are all below cut-off level.

2,411,167
COMBINED FOOT BRAKE AND ACCELERATOR
Nelson I. Perry, Chicago, Ill.
Application February 5, 1945, Serial No. 576,259
8 Claims. (Cl. 192—3)

1. In a motor vehicle having brake and throttle controls, an expansible and retractable linkage fulcrumed on the foot board of the vehicle and having connection with said controls, a foot pedal fulcrumed on said linkage for swing for operation of the throttle control and normally disconnected from the brake control, means holding said linkage against retraction while said throttle control is being operated, said foot pedal being bodily movable forwardly on said linkage, means effective during the initial bodily forward movement of said pedal to lock said pedal against swing for throttle control and to release said linkage for retraction thereof, said linkage retracting during continued bodily forward movement of the foot pedal, said linkage including cam rails



for guiding the pedal for such continued forward movement, initial forward movement of the pedal connecting it to the brake control and pushing movement of the pedal operating the brake control.

2,411,168
KEY SELECTOR AND CONTAINER
Oliver Seely, Long Beach, Calif.
Application March 14, 1944, Serial No. 526,442
2 Claims. (Cl. 70—456)

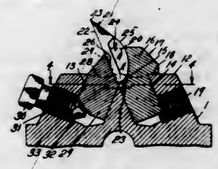


1. A key holder comprising a body kerfed longitudinally to provide a plurality of equidistantly spaced parallel walls, the spaces between the parallel walls each constituting a receiving slot for a flat key, the slots opening through one end of the body, a pivot pin passed through the free ends of the parallel walls and engaged through the apertured ends of keys housed within the receiving slots, the end of the body connecting the opposite ends of the parallel walls being cylindrical and a cylindrical knob mounted for turning motion on the cylindrical end of the body and having a cylindrical sleeve encircled about the connected ends of the parallel walls to enclose the bit ends of the keys, the sleeve of the knob being formed with a slot of a width sufficient to pass but one key to release the bit end of a selected key when the knob is turned to place the release slot in registry with the receiving slot housing the selected key.

2,411,169
ISOLATION OF DEHYDROCHOLIC ACID
Robert H. Sifferd, Brookfield, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 22, 1944, Serial No. 546,221
6 Claims. (Cl. 260—397.1)

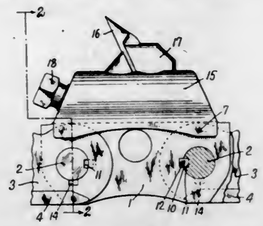
1. A process for isolating substantially pure dehydrocholic acid from a mixture containing a substantial proportion of the same, comprising dissolving the mixture in a tertiary aliphatic alcohol at a temperature in the neighborhood of the boiling point of the alcohol, separating the hot solution from any undissolved materials, lowering the temperature of the solution to crystallize therefrom the dehydrocholic acid, and separating the crystallized precipitate from the solution.

2,411,170
KERF CUTTING DEVICE
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application April 20, 1943, Serial No. 483,748
3 Claims. (Cl. 262—33)



1. In a cutter chain, a chain block having a lateral lug, said lug having relatively inclined, front and rear bores arranged with their axes in a common plane and diverging downwardly at an acute angle with each other, said bores being so arranged that they merge together at their outer portions and there being provided a transverse abutment surface, at an angle to the adjacent walls of each of said bores, between said bores near their juncture, bit mounting means associated with said block including relatively adjustable supporting and holding elements received in said bores respectively, and means for effecting relative adjustment between said elements and for securing said elements in position in said bores, one of said elements having an inner abutment surface resting against said transverse abutment surface when said elements are secured in bit holding position.

2,411,171
KERF CUTTING DEVICE
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Original application April 20, 1943, Serial No. 483,748. Divided and this application November 4, 1943, Serial No. 508,941
14 Claims. (Cl. 74—251)



1. In a cutter chain, a chain block, a pair of strap links arranged at the sides of said block, said block and strap links having alined openings, a hinge pin arranged in said alined openings for pivotally connecting said strap links to the block, a key seated in longitudinal key slots in said pin and block for locking said hinge pin against rotation with respect to said block, said key arranged between the inner surfaces of said strap links.

2,411,172

17-ACETYL-17-HYDROXY - PERHYDROCYCLOPENTENOPHENANTHRENES, ANILS, AND OXIMES THEREOF, AND METHOD OF PREPARING THEM

Homer E. Stavely, Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application March 22, 1940, Serial No. 325,473
6 Claims. (Cl. 260—397.4)

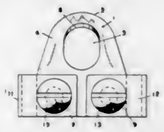
1. The method which comprises reacting a 17 - ethynyl - 17-hydroxy-perhydrocyclopentenophenanthrene with an anil-forming aromatic amine in the presence of a mercuric-compound catalyst.

2,411,173

STRIKING BAG SUPPORT STRUCTURE

Joseph H. Stuhr, United States Navy

Application August 21, 1945, Serial No. 611,898
6 Claims. (Cl. 272—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



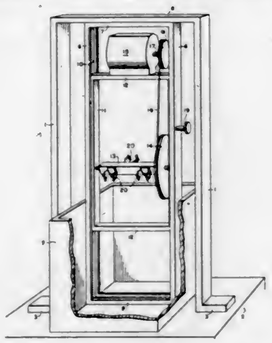
1. A striking bag support structure comprising a bag supporting block member having a curved surface to be received within and to engage the loop strap of the striking bag, said block member having a bore extending therethrough and disposed to be substantially in alignment with the opening formed by the loop strap, said block member being adapted to receive in its bore the supporting hook or device for supporting the striking bag, and means to embrace the loop strap and to be secured to the block member to secure it in place within the loop strap.

2,411,174

ARTICLE SUPPORTING APPARATUS

Albert D. Swensen, Washington, D. C., and Robert D. Williams, Jr., United States Navy

Application July 9, 1945, Serial No. 604,000
4 Claims. (Cl. 259—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



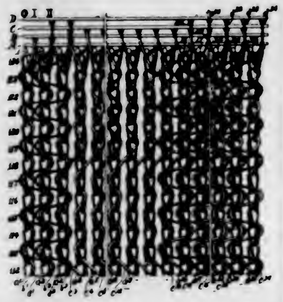
1. In an apparatus for immersing an article in a tank and for rotating the article while positioned in the tank, a tank, a pair of spaced standards, a cross beam mounted between the upper ends of said standards, a base for supporting the lower ends of said standards, a pair of spaced channel bars mounted on the under side of said cross beam and extending into said tank, a frame slidably supported between channel bars and movable therealong into or out of said tank, a rotatable shaft journalled in the sides of said frame and immersible in said tank when said frame is moved to its lower position, means mounted on said slidable frame for rotating said shaft, and means on said shaft for engaging and supporting an article.

2,411,175

ELASTIC FABRIC AND METHOD OF MAKING THE SAME

Alfred L. Wagler, North Hills, Pa.; Antonio Wagler, executrix of said Alfred L. Wagler, deceased, assignor, by direct and mesne assignments, to William F. Geibel, Philadelphia, Pa.

Application August 22, 1939, Serial No. 291,285
23 Claims. (Cl. 66—193)



1. The combination with a weft knitted fabric of non-elastic yarns, of a warp knitted fabric containing non-elastic yarns and having an edge connected with said first named fabric, said warp knitted fabric having elastic threads interlaced therein and imparting a one-way stretch to the edge and a two-way stretch to the body thereof.

9. An elastic fabric having a body section with a two-way stretch comprising elastic threads and knitted chains and an edge section with a one-way stretch only comprising elastic threads and knitted chains.

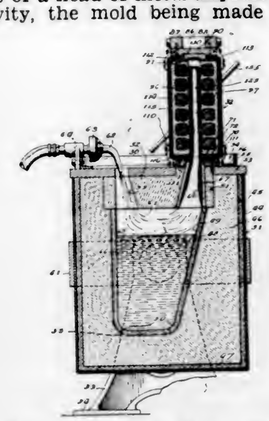
2,411,176

METHOD OF MAKING METAL CASTINGS

Carl Wessel, Chicago, Ill., assignor to Carl Wessel and Lew W. Cleminson, Chicago, Ill., trustees

Continuation of application Serial No. 370,344, December 16, 1940. This application September 28, 1942, Serial No. 459,893
7 Claims. (Cl. 22—200)

1. The method of casting which comprises maintaining a supply of clean molten metal in a substantially closed container having a mold provided with a filling opening applied directly to a discharge opening of said container, maintaining a neutral atmosphere in said container by projecting a flame in said container in such manner as to heat said filling opening, causing said molten metal to flow upward from the filling opening located at the bottom of the mold in a substantially solid stream into a mold cavity without splashing, maintaining a heat gradient from the extreme portion of said mold cavity to the supply of metal whereby the casting congeals at its remotest part first and at its filling opening last, and supplying additional metal to the mold cavity while shrinkage and congelation takes place by means of a head of metal impressed upon the mold cavity, the mold being made of another



metal of higher melting point, whereby the castings may be polished without intermediate smoothing operations, and cutting off the sprue of the casting immediately adjacent the side of the casting promptly after congelation of the metal in the mold cavity.

2,411,177

CHEMICAL COMPOUNDS

Oskar Wintersteiner, New Brunswick, and William L. Ruigh, Princeton, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application November 29, 1941, Serial No. 421,040
5 Claims. (Cl. 260—397.2)

1. The method which comprises treating a 7-hydroxy-sterol di-ester with sodium methylate.

2,411,178

OIL COMPOSITION

David W. Young, Roselle, N. J., and Eugene Lieber, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 28, 1944, Serial No. 528,444
10 Claims. (Cl. 252—56)

1. A composition comprising a major proportion of a paraffinic hydrocarbon, and dissolved therein a small amount of a dicarboxylic-glycol polyester having a molecular weight of at least 2,000, there being at least 10 carbon atoms per molecule in at least one of said two reactants and the total number of carbon atoms in 1 molecule of the dicarboxylic acid together with 1 molecule of the glycol being at least 30, and a small amount of a pour depressor consisting essentially of a high molecular weight condensation product of a long chain aliphatic compound and an aromatic compound.

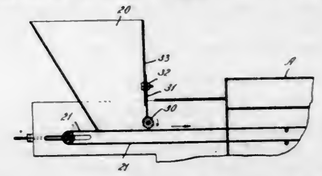
2,411,179

DESICCATING APPARATUS

Louis H. Zeun, Naugatuck, Conn., assignor to Peter Paul, Inc., Naugatuck, Conn., a corporation of Delaware

Application April 7, 1944, Serial No. 529,961
5 Claims. (Cl. 34—203)

1. A machine for desiccating moist material, such as shredded coconut, and comprising a drying chamber, means for circulating a drying medium through said chamber, a conveyor movable through said chamber, a roller located at the receiving end of the conveyor and rotatable in a direction opposite to the conveyor movement and engageable with the material on the conveyor for insuring a uniform layer of material thereon, means for rotating said roller, means for engaging the layer of material and exposing inner portions of the layer to the action of the drying medium, and means for rotating said last named means.



2,411,180

VARNISHING ARMATURES AND THE LIKE

Don F. Alexander, near Dayton, Ohio, assignor to The Sterling Varnish Company, Haysville, Pa., a corporation of Pennsylvania

No Drawing. Application December 30, 1943, Serial No. 516,241
6 Claims. (Cl. 171—206)

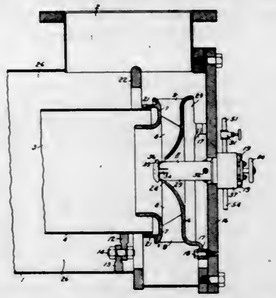
1. That method of varnishing an armature which comprises heating the armature to a temperature at least approximately that of the boiling point of the varnish solvent, rotating the heated armature slowly through the varnish and thereby applying thereto a coating of varnish substantially free from solvent, removing the thus coated armature from said bath and rotating it slowly to cause the varnish coating in its substantial entirety to penetrate it, and then heating it to bake the varnish while continuing to rotate it.

2,411,181

COMBUSTION TURBINE BURNER

Hans A. Altorfer, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

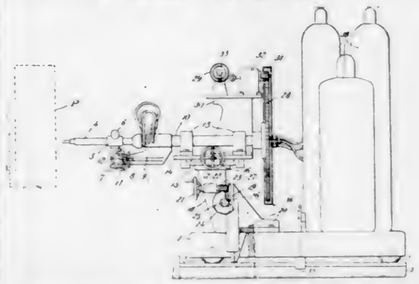
Application April 10, 1943, Serial No. 482,561
4 Claims. (Cl. 158—76)



1. Combustion apparatus comprising a burner having a nozzle portion provided with an orifice effective to produce a diverging fuel spray, means defining a chamber surrounding said burner and including an inner annular air diverting and directing wall shaped and arranged to form with the nozzle portion of the burner an inner annular air passage of decreasing cross sectional

area in the direction of air flow therethrough, and an inner member surrounding the orifice end of said nozzle portion in passage forming relation therewith, said member being axially spaced from the inner peripheral edge of said annular wall in the direction of air flow to divert and direct a portion of the air issuing from said inner passage inwardly against said fuel spray at a point immediately adjacent said orifice.

2,411,182
CIRCLE CUTTING MACHINE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application April 11, 1944, Serial No. 530,513
2 Claims. (Cl. 33—27)



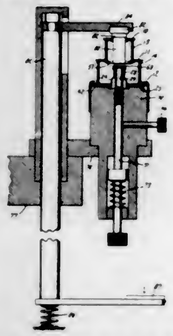
1. Apparatus for making circular cuts in vertical metal plates comprising a carriage movable toward and away from the plate to be cut, a rotatable shaft mounted on the carriage so that its axis is disposed substantially at right angles to the vertical face of the plate, a tool connected to said shaft and having its end directed toward the vertical face of the plate, means for adjusting the tool laterally with respect to the shaft, means for adjusting said shaft vertically on the carriage, means for adjusting said shaft horizontally on the carriage, and means operative in any adjusted position of said shaft for rotating it to revolve the tool bodily about the axis of the shaft.

2,411,183
POWERED LOADING TRUCK
Elmer W. Baldwin, Bassett, Nebr.
Application November 2, 1945, Serial No. 626,250
2 Claims. (Cl. 214—85)



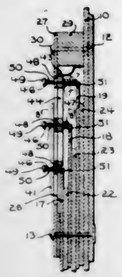
1. In combination, a tiltable truck, an horizontally movable, sling-coupling bar mounted transversely on said truck, longitudinally disposed ramps mounted on the floor of the truck, a sling detachably connected to said coupling bar, means for adjusting said sling to a load, a powered winch located on the truck and provided with means to reverse direction of revolution, a winch drum having a peripheral bulge diminishing in diameter from the middle of the drum towards its ends, a spiral cable groove in said periphery, two cables doubled and attached at the middle to said drum, one at each end thereof with the dual runs of each wound toward the middle of the drum in contiguous parts of said spiral groove, said cables being wound thereon in opposite directions and attached at their free ends to opposite sides of said coupling bar, and anti-friction devices mounted on said truck to carry said cables from the winch to said coupling bar.

2,411,184
FABRICATION OF DISCHARGE DEVICES
James E. Beggs, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 2, 1942, Serial No. 449,391
15 Claims. (Cl. 250—27.5)



1. A process of fabricating a discharge device having an electrode of deformable construction, which process comprises installing the electrode approximately in its desired location in the device and thereafter deforming the electrode in situ to bring its active part more precisely into the desired location.

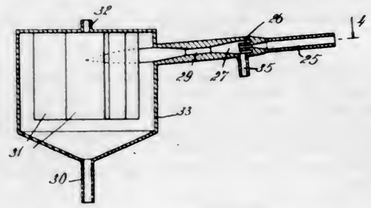
2,411,185
PERPETUAL CALENDAR
Louis Bernstein, Brooklyn, N. Y.
Application February 16, 1945, Serial No. 578,294
3 Claims. (Cl. 40—115)



1. A perpetual calendar, comprising a support sheet having an opening for viewing a year plate, a serrated small day of the week disc superimposed on a serrated medium month disc superimposed on a serrated large numeral disc coaxially turnably mounted on said support sheet, a stationary indicator supported on said support sheet and extending across said discs and having window openings for displaying one notation of each of said discs, a year plate turnably mounted in back of said support sheet, and means for holding said discs from turning and adjustably to free the discs individually, or as a unit, including a slide plate slidably mounted on said indicator and having window openings aligned with the window openings of said indicator, resilient means

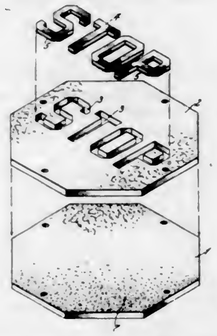
for urging said slide plate downwards, a plunger for each of said discs mounted on said slide plate through non-circular sockets, said plungers being non-circular and complementary to said sockets, and tooth-like projections on the ends of said plungers engaging the serrations on the discs.

2,411,186
PROCESS FOR RELEASING GASES FROM LIQUIDS
Benjamin Clark Boeckeler, Riverside, Conn., assignor to The Hydrojet Corporation, Wilmington, Del., a corporation of Delaware
Application November 27, 1941, Serial No. 420,739
7 Claims. (Cl. 159—47)



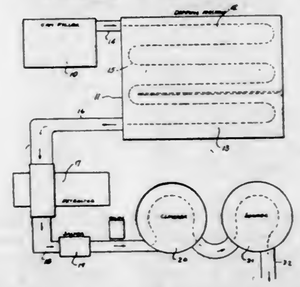
1. The process of evaporating liquids which comprises reducing the pressure on a stream of the liquid while the liquid is at such a temperature that the reduction in pressure causes at least a part of the liquid to flash into vapor, substantially instantaneously compressing said vapor in the stream of liquid above the condensation pressure of the vapor at the prevailing temperature but without substantial condensation of the vapor, and thereafter immediately separating the vapor from the liquid before substantial condensation of the vapor occurs.

2,411,187
HIGHWAY REFLECTOR SIGN
Howard Boogher, Hillsboro, Ill.
Application May 20, 1942, Serial No. 443,700
3 Claims. (Cl. 40—125)



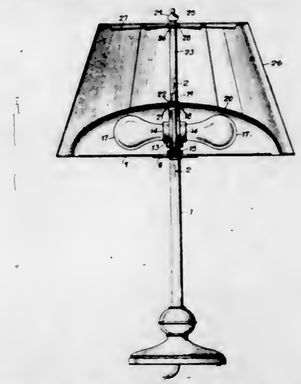
3. A highway sign comprising two superimposed plies, one a continuous base and the other a face, the face ply having cut outs with unbroken perpendicular walls extending from one side to the other of said face ply and corresponding in outline to symbols, and reflecting elements fitting and within the cut outs and secured against the base, the plies being of a material selected from a class including ply wood and pressed board and the elements comprising glass plates having a mirroring coating.

2,411,188
METHOD OF PRESERVING FISH
Edward M. Borg, Seattle, Wash.
Application February 17, 1942, Serial No. 431,255
6 Claims. (Cl. 99—187)



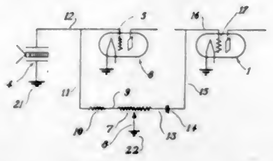
1. The method of preserving fish, comprising subjecting the cleaned fish to a hot water bath for an interval sufficient to cause loosening of the meat tissues and layers without cooking, subsequently effecting forced extraction of a substantial amount of the liquid content from the meat, and finally compressing the product in a container.

2,411,189
READING LAMP
Charles Inness Brown, Floral Park, N. Y.
Application May 3, 1945, Serial No. 591,709
1 Claim. (Cl. 240—81)



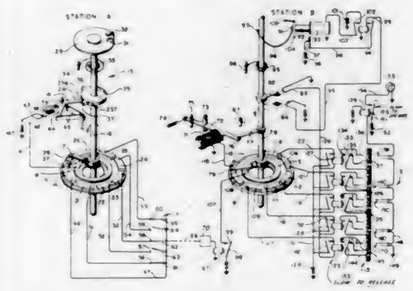
A reading lamp, comprising: an upstanding support, comprising outer and inner sleeve members, said outer sleeve member terminating in a collar and said inner sleeve member projecting beyond the same in the form of a spindle, a centrally apertured supporting disc fitting over said spindle and resting on said collar, a centrally apertured light-diffusing screen carried by said supporting disc, said supporting disc having means for lockingly engaging said light-diffusing screen, a socket member for incandescent lamps mounted on said spindle, a centrally apertured light-reflecting dome carried by an upstanding spindle of said socket member, said dome spanning the socket member and incandescent lamp means carried thereby for reflecting light downwardly through said diffusing screen, an extension member threaded onto said socket spindle, and a lamp shade carried by said extension member, said lamp shade being spaced from and surrounding said dome.

2,411,190
FREQUENCY RESPONSE COMPENSATING MEANS
Marshall Brown, Chicago, Ill.
Application September 14, 1944, Serial No. 554,103
14 Claims. (Cl. 179—1)



1. In a device of the character disclosed and which has a piezoelectric crystal unit connected to ground and an amplifying tube, the combination therewith of a circuit including a variable resistor only connected in shunt with said unit to control the frequency response of said unit, and including an adjustable contact connected to said resistor and to ground.

2,411,191
DIAL SELECTIVE CALLING SYSTEM
Charles W. Burcky, Park Ridge, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 4, 1944, Serial No. 561,876
1 Claim. (Cl. 177—353)

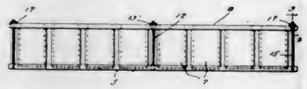


In a selective station calling system, a transmitting station, a plurality of receiving stations, a signal line connecting said stations, transmitting means at said transmitting station comprising permutably settable switching elements and an impulsing device manipulable from a normal position to an ultimate position, said device effective upon return to normal position to impress through said switches start-stop permutation code signals upon said signal line, receiving means comprising a line relay responsive to signals impressed on said signal line, an automatically operable impulsing device normally tending to operate, storing relay means electrically associated with said impulsing device, electromagnetically controlled means effective normally to restrain said impulsing device against operation, said electromagnetically controlled means responsive to the start impulse of said permutation code signals to initiate operation of said automatically operable impulsing device to distribute the signal impulses of said permutation code signals to said storing relay means, a plurality of serially associated plugs, a corresponding series of jacks, one jack associated with each storing relay, a controllable instrumentality electrically associated with said plugs, whereby an energizing circuit for said instrumentality is established when said plugs are arranged in said jacks in correspondence with the permutation code setting of said settable switching elements, and further electromagnetic means effective upon completion of operation of said automatically operable impulsing device to automatically return said automatically operable impulsing device to normal position for reoperation under control of said start-stop permutation code signals.

2,411,192
PAINT COMPOSITIONS
Howard N. Copthorne, Winnetka, Ill., assignor to United States Steel Supply Company, a corporation of Illinois
No Drawing. Application October 11, 1944, Serial No. 558,276
1 Claim. (Cl. 117—65)

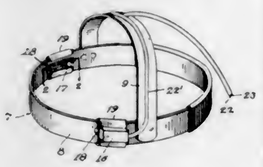
A method of coating, comprising applying a substantially resin-free coating including hydrated ferric oxide and a vehicle oil containing a fatty acid glyceride and heating the coating to from about 500 to 690° F. for a time changing the color of the ferric oxide and dehydrating the same.

2,411,193
FREEZING TRAY
Roy M. Cummins, Akron, Ohio
Application February 20, 1945, Serial No. 578,828
2 Claims. (Cl. 62—108.5)



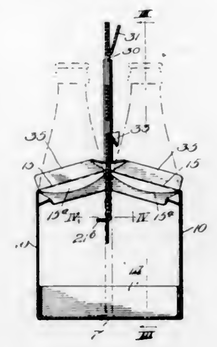
1. A freezing tray for refrigerators comprising upper and lower elongated plates, said upper plate having a plurality of openings, tubes formed on the under side of the upper plate beneath the openings, said lower plate having a plurality of recesses adapted to receive the lower ends of the tubes for closing said lower ends, and bolts securing the plates to each other.

2,411,194
DENTIST'S BITE DETECTOR
Raphael A. De Rome, Twin Lakes, Wis.
Application February 5, 1944, Serial No. 521,195
3 Claims. (Cl. 177—311)



1. A dentist's bite detector comprising a pair of electric switches, remotely located signaling means and electrical connections therewith controlled by said switches, and a head gear having a slotted band and a crown strip secured thereto, said head gear being arranged to be applied to a person's head, and adjustable to the size thereof, said switches being supported by said head band with their buttons protruding inwardly through the slots in the head band in close contact with the person's temporal muscles.

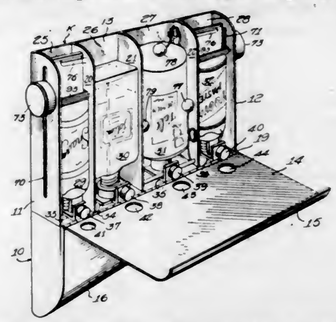
2,411,195
BOTTLE CARRIER
Jean F. De Villard, Chicago, Ill., assignor, by mesne assignments, to Charles W. Stiefel, Jr., Chicago, Ill.
Application November 16, 1940, Serial No. 365,996
1 Claim. (Cl. 224—45)



In a bottle carrier formed from a blank made from cardboard or like material to afford, when erected, a bottom wall, side walls joined along fold lines to opposite side edges of said bottom wall, bottle receiving sections joined along fold lines to the upper edges of the respective side walls, a handle section joined along fold lines to the other edges of the two bottle receiving sections so as to project upwardly therefrom, bottle retaining end walls formed from the material of said bottom wall adjacent to the last mentioned fold lines, and bellows fold means joining opposite ends of said bottle retaining walls to the opposite side walls to maintain said retaining walls in upright positions when said carrier is erected and to effect erecting movement of said retaining end walls when in the course of erection of said carrier said side walls are bent upwardly with relation to said bottom wall, reenforcing flaps joined along fold lines to the opposite end edges of said side walls and to said retaining end walls, the flaps joined to said side walls being folded along said fold lines to lie flat against the outer faces of the walls to which they are joined, and the flaps joined to said end walls affording supporting strips substantially in the plane of said bottom wall and supported in part by said retaining end walls when said retaining end walls are in their upright positions.

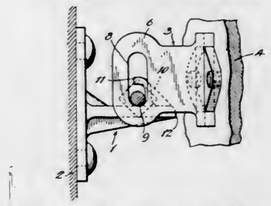
2,411,196
TOILET KIT
Charles H. Dolan, II, Kansas City, Mo.
Application August 26, 1943, Serial No. 500,117
1 Claim. (Cl. 132—79)

A toilet article unit comprising a container having an upper lid hinged to the walls thereof intermediate the top and bottom of the container and a lower lid hinged to the bottom edge of the container, said lids, in closed position forming the front wall of the container and being vertically aligned, said container having an intermediate horizontal ledge for supporting in the upper portion thereof a plurality of receptacles each containing a toilet preparation with each receptacle in inverted dispensing position, access to said receptacles being had by opening said upper lid and access to a dispensed portion from a receptacle solely by opening said lower lid, said lower lid having means for supporting a plurality



of toilet accessories, and means for holding said lower lid in a horizontal position when opened.

2,411,197
LATCH CONSTRUCTION
Alvin F. Engeljohn, Chicago, Ill., assignor to Jack K. Dromgold, Chicago, Ill., and Howard A. Glenn, Oak Park, Ill.
Application February 4, 1944, Serial No. 521,026
1 Claim. (Cl. 292—189)

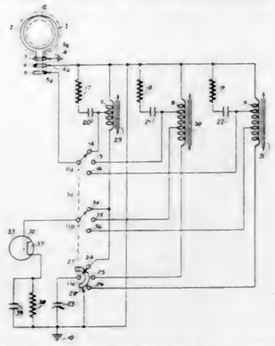


A latch construction capable of latching in open position either a right-hand swinging door or a left-hand swinging door to a vertical support adjacent an opposing vertical surface of the door when open comprising a latch having a base having a flat surface for engaging one of said vertical surfaces, a pair of horizontally spaced arms extending forwardly from said base transversely of said flat surface for receiving a keeper therebetween, each arm having a substantially vertical slot therein, a horizontally extending latch bolt for engagement with a keeper hook extending through said slots and vertically slidable therein, and a keeper having a base having a flat surface for engaging the other vertical surface and having a retaining hook portion extending from said base for entering between said arms for engagement with said bolt and an inclined portion for engaging the bolt to raise it and allow it to drop for engagement with the hook, whereby the latch may be inverted, thereby enabling the bolt prior to latching to rest at one end of the slot for lifting engagement by the keeper when in one position and to rest at the other end of the slot for lifting engagement by the keeper when in inverted position.

2,411,198
RADIO APPARATUS
George V. Eltgroth, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 7, 1941, Serial No. 418,143
14 Claims. (Cl. 250—11)

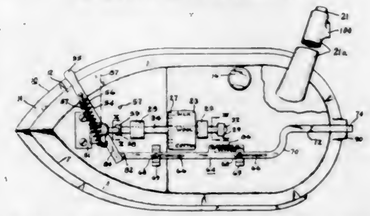
1. The combination of a source of periodic energy, pickup means responsive to said energy, the

response of said pickup means being a function of the frequency of the incident energy, means for tuning said pickup means to resonance with said incident energy over a predetermined range of



frequency in a plurality of bands, means for maintaining the total response developed across said tuning means substantially independent of frequency, and means for applying a predetermined portion of said total response to relay means.

2,411,199
STEAM IRON
Richard I. Felver, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1943, Serial No. 499,207
3 Claims. (Cl. 38—77)



2. A steam iron including a steam generator carried by said iron, a valve for supplying water to said steam generator, valve control means including a member adapted to be manually positioned to close the valve or to permit opening of the valve, said control means further including an element adapted to be engaged by a support on which the iron is placed in non-ironing position, said control means being operative, when said manually-positioned member is positioned to permit opening of the valve, to close said valve upon said element engaging said support, and to open said valve upon said element disengaging said support, said control means being operative to close said valve independently of the position of said element when said manually-positioned member is positioned for closing the valve.

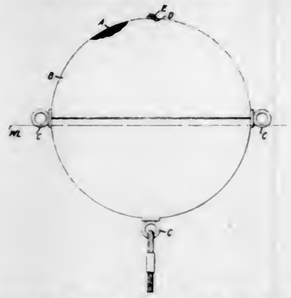
2,411,200
METHOD FOR CONVERTING HYDROCARBONS
Hillis O. Folkins, Skokie, and Carlisle M. Thacker, Highland Park, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 31, 1945, Serial No. 625,938
16 Claims. (Cl. 196—52)

1. The method of cracking hydrocarbons which comprises subjecting said hydrocarbons to suitable cracking conditions of time, temperature and pressure in the presence of a small amount of a brominated ester.

2,411,201
PROCESS FOR IMPROVING FATS AND OILS BY ADDITION OF OLIVE AND COCONUT COLOR, ODOR AND FLAVOR DERIVED FROM OLIVE AND COCONUT JUICES AND THE RESULTANT PRODUCT
John Hood Forkner, Fresno, Calif.
No Drawing. Application June 17, 1946, Serial No. 677,410
30 Claims. (Cl. 99—118)

1. The method of treating a fatty material to improve at least a selected one of its characteristics of flavor, color and odor, comprising the steps of: intimately mixing a fatty material with at least one substantially oil-free juice selected from the group consisting of olive juice and coconut juice; and effecting separation of the juice and treated fatty material.

2,411,202
FILLED FLOAT
Henry A. Gardner, Chevy Chase, Md.
Application April 12, 1944, Serial No. 530,704
6 Claims. (Cl. 9—8)



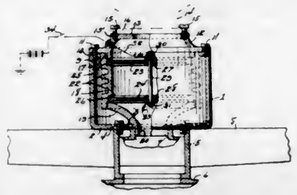
1. A buoyant element comprising a rigid solid porous metallic sponge, having an apparent density substantially less than that of water, composed of a reaction product of a resinous material containing an acidic component with a powdered light metal reactive therewith, said metallic sponge filling a normally impermeable and rigid closed casing member.

2,411,203
RAILROAD RAIL AND PROCESS OF MAKING SAME
Harry S. George, Massapequa, N. Y.
Application June 9, 1944, Serial No. 539,455
5 Claims. (Cl. 80—66)



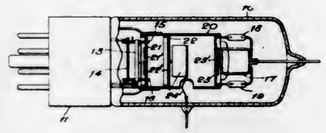
1. A method of making railroad rail having a T-section, comprising segmenting the rail steel ingot longitudinally substantially throughout its longitudinal axial zone by oxygen cutting, and subsequently rolling each segment to form rail, while maintaining an orientation of each segment to cause the core metal of the ingot to be located principally in the base of the rail, and to cause the head of the rail to contain only metal derived from the outer part of the ingot surrounding the axial zone.

2,411,204
FUEL VAPORIZER
Joseph Graziano, White Plains, N. Y.
Application November 8, 1943, Serial No. 509,499
5 Claims. (Cl. 123—122)



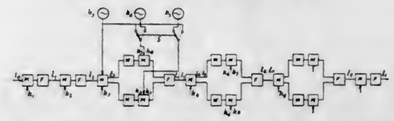
1. A fuel heater and vaporizer comprising a casing open at its lower end and adapted to be secured to a heating chamber of an exhaust manifold of an engine, a cap for the upper end of said casing having an upstanding open throat adapted to be secured to the outlet of a carburetor, a depending annular flange carried by said cap about the lower end of the throat, a drum in said casing spaced from walls thereof and having its upper end in threaded engagement with said flange, a head in threaded engagement with the lower end of said drum, said head being tapered downwardly and having an open lower end constituting a neck adapted to fit within the inlet of the intake manifold of an engine, said drum being formed with internal annular seats adjacent its upper and lower ends, discs of porous metal mounted in said seats and held firmly in place by the flange and the head, a rod of conductive material extending between said discs with its end portions passing through openings at centers of the discs, and nuts carried by protruding upper and lower ends of said rod for holding the rod in place and clamping conductor wires of a heating circuit to ends of the rod.

2,411,205
ELECTRON DISCHARGE DEVICE
Norval H. Green, Wood-Ridge, and William B. Rupp, East Orange, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 18, 1942, Serial No. 451,444
8 Claims. (Cl. 250—27.5)



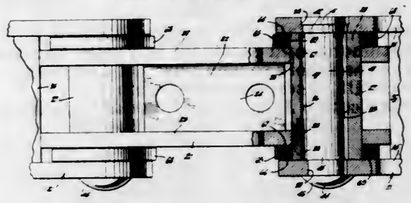
1. An electron discharge device having a cathode means for supplying a beam of electrons, a collector for receiving said electrons and means intermediate said cathode means and collector for focusing and controlling the beam of electrons, the intermediate means having a plurality of elements transverse to the path of said beam and provided with apertures, said apertures being aligned, said cathode means comprising an electrode assembly including a cathode and a pair of spaced supporting insulating members provided with elements extending from said supporting insulating members and having oppositely disposed apertures receiving the ends of said cathode, one of said transverse elements having apertures for receiving the elements on said insulating members whereby said cathode and the other apertures of the transverse elements are positively aligned.

2,411,206
ELECTRICAL SIGNALING METHOD
Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application May 19, 1944, Serial No. 536,233
In Switzerland April 5, 1943
11 Claims. (Cl. 179—1.5)



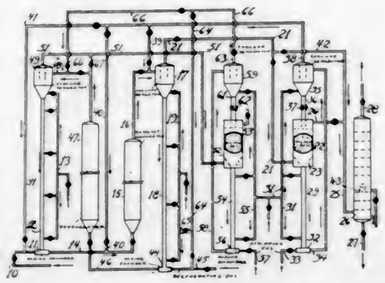
1. In a secrecy signaling system, the method consisting in separately modulating a pair of fixed carrier frequencies by a signal frequency band, said carrier frequencies being separated by a distance equal to the width of said signal band, modulating a further periodically variable carrier frequency by the resultant side bands located at the same side of said fixed carrier frequencies to produce a resultant intermediate band comprising two adjacent signal bands moving back and forth along the frequency scale at the rhythm of said variable carrier frequency, and segregating from said intermediate band a band equal to the original signal band and lying within fixed points on the frequency scale located at equal distances from the middle of said resultant band in the position corresponding to the mean value of said variable carrier frequency.

2,411,207
CHAIN BEARING SEAL
James M. Hait, San Gabriel, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 4, 1943, Serial No. 477,938
4 Claims. (Cl. 74—257)



1. A linkage unit comprising a pair of links pivotally related on a given axis, means on said links providing an annular space surrounding said axis, said space being bounded by opposed radial surfaces one of which is on each of said links and a substantially cylindrical surface on one of said links, a resilient seal ring compressed in said space between said radial surfaces, said ring, when uncompressed, having an annular concave face which is disposed opposite said cylindrical surface, at least a narrow edge portion of said face being disposed close to said cylindrical surface to centralize said ring about said axis when said unit is being assembled, the major portion of said face being disposed out of frictional contact with said cylindrical surface when said unit is assembled and said ring compressed as aforesaid.

2,411,208
PURIFICATION OF GASES
Homer J. Hall, Roselle, and John C. Munday, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1940, Serial No. 372,024
16 Claims. (Cl. 196—52)



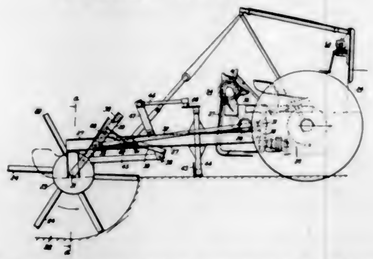
1. A process for carrying out reactions which comprises forming a suspension of gases and powdered catalyst, passing the suspension upwardly through the reaction zone maintained under conditions to bring about the desired reaction, passing reaction products containing powdered catalyst entrained therein from the upper part of said zone and through a filtering zone in contact with a moving bed of coarse granular material of the same composition as said powdered catalyst, removing the coarse granular material containing powdered catalyst from the filtering zone, treating the coarse granular material removed from said filtering zone with a stripping gas at a velocity sufficient to separate the powdered material from the coarse granular material and to carry said powdered material in said stripping gas, returning the coarse granular material to the filtering zone and combining the stripping gas containing said powdered material with said suspension.

2,411,209
BIT
Garland W. Hall, Port Neches, Richard F. Sens, Beaumont, and Matthew A. Furth, Nederland, Tex., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application July 26, 1944, Serial No. 546,696
3 Claims. (Cl. 15—104.09)



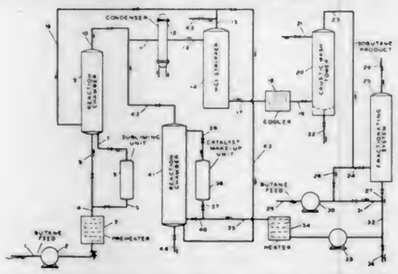
1. An elongated bit comprising a main body portion, a shank and a front end, said body portion gradually increasing in diameter from the front end to a point adjacent the rear end thereof and having a plurality of substantially straight longitudinal spaced cutting surfaces around the periphery thereof running along the length of the body to said point adjacent the rear end of said body portion, said cutting surfaces having intervening flutes, the rear end of said body portion having a plurality of spaced guiding surfaces with intervening flutes, said rear end being of uniform diameter throughout, said front end having a plurality of spaced cutting surfaces terminating at a point in line with the midline of said bit.

2,411,210
TRENCH EXCAVATOR
Wallace Mitchell Henderson, Stepps, Scotland, assignor to Aveling-Barford Limited, Grantham, England, a corporation of Great Britain
Application February 27, 1945, Serial No. 579,916
In Great Britain July 1, 1943
3 Claims. (Cl. 37—95)



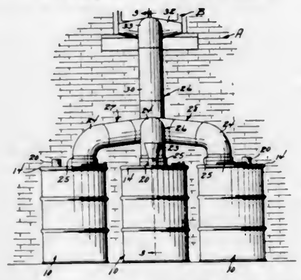
1. A trench excavator including a vehicular frame structure, a radially bladed excavating rotor implement mounted on said frame structure for rotation about a horizontal axis transverse to the line of travel of the excavator, means associated with said implement for imparting stepwise rotary movements to said implement, reciprocatory primary scraper means mounted on said frame structure and adapted to enter the swept volume of said implement so as to displace excavated material from said implement to a position in advance of said implement, secondary scraper means mounted on said frame structure in advance of said primary scraper means for displacing the material deposited in advance of said implement to a position on the ground alongside the excavator, and means operative in timed relation with the stepwise rotational movement of said implement for actuating said primary and said secondary scraper means.

2,411,211
ISOMERIZATION PROCESS
Robert W. Henry, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 6, 1944, Serial No. 557,435
7 Claims. (Cl. 260—683.5)



4. An improved process for the conversion of normal butane to isobutane in the presence of an aluminum chloride catalyst, which comprises contacting a normal butane hydrocarbon fraction in the vapor phase containing not more than 0.5 mol per cent of hydrocarbons heavier than normal butane and essentially free from unsaturated hydrocarbons and non-hydrocarbon impurities with a solid granular isomerization catalyst comprising aluminum chloride adsorbed upon a solid granular adsorptive material under vapor phase isomerization reaction conditions and in the presence of a minor amount of hydrogen chloride to produce isobutane, passing effluents of said isomerization to a fractionating means, recovering from said fractionating means an isobutane fraction as a product of the process, recovering further from said fractionating means as a high-boiling residual fraction a normal butane fraction containing more than 0.5 mol per cent of heavier hydrocarbons, contacting the last said normal butane fraction in the liquid phase with an isomerization catalyst comprising an aluminum chloride-hydrocarbon complex together with free aluminum chloride under liquid phase isomerization conditions and in the presence of a minor amount of hydrogen chloride to produce isobutane, and recovering from effluents of the last said isomerization step an isobutane fraction so produced as a product of the process.

2,411,212
APPARATUS FOR FUMIGATING BUILDINGS
Fred D. Hubbell, Baltimore, Md.
Application May 7, 1942, Serial No. 442,076
2 Claims. (Cl. 21—108)

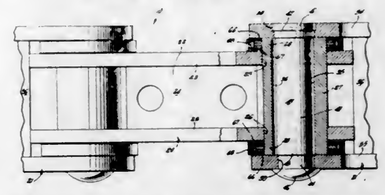


1. An apparatus for fumigating a building, comprising a container for initially receiving gas producing ingredients and having an open upper end, a lid closing the upper end and removably secured thereto, said lid being provided with a relatively small inlet opening and a relatively large outlet opening for the container, a neck for each opening and secured to and rising from the lid, open funnel means adapted to be inserted in the neck of the inlet opening for passage of an additional ingredient therethrough for disposal in the container to mix with the first ingredients to generate gas, a sectional sealed pipe line having one end connected to the neck of the outlet opening for conveying the gas for discharge into the building, said pipe line including a vertical portion to create a draft therein and a discharge nozzle secured to the outlet end of the pipe line and being of elongated formation to fit within a window of the building to discharge the gas into the buiding.

2,411,213
NONSLIP CEMENTITIOUS COMPOSITION AND ARTICLE
Dana B. Johannes, Jr., Silver Spring, Md., assignor to International Products Company, Washington, D. C.
No Drawing. Application June 24, 1944, Serial No. 542,010
4 Claims. (Cl. 106—36)

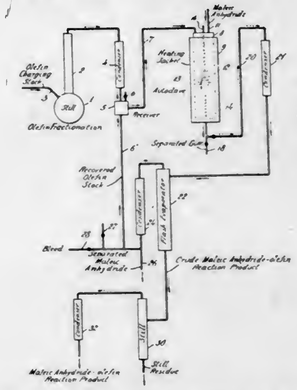
1. A waterproof cementitious composition comprising 50 pounds powdered coquina, 13 pounds Portland cement, 36 pounds aluminum oxide abrasives, and 1 pound of a powdered mixture of calcium stearate and hydrous aluminum silicate.

2,411,214
CHAIN BEARING SEAL
Dana E. Keech, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 4, 1943, Serial No. 477,940
1 Claim. (Cl. 286—11)



A seal for an annular area surrounding an axis of rotation between two members providing opposed adjacent surfaces and having rotational movement relative to each other about said axis, said seal comprising: a non-yielding bearing disposed in said area and having opposite outside faces disposed in spaced relation with said surfaces; and a rubber annulus having annular portions compressed between said faces and said surfaces and an annular impervious flexing portion connecting the annular portions aforesaid.

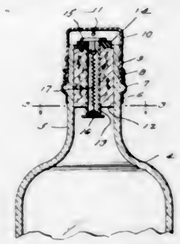
2,411,215
PRODUCTION OF SUBSTITUTED SUCCINIC ANHYDRIDES
Mearl A. Kise and Robert F. Engle, Syracuse, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York
Application January 14, 1943, Serial No. 472,350
4 Claims. (Cl. 260—342.4)



1. A process for the synthesis of alkenyl succinic anhydrides from maleic anhydride and cracked petroleum hydrocarbon mixtures containing mono-olefins, which comprises distilling the cracked petroleum hydrocarbon mixture to obtain a product free from gums, oxygen compounds and water, mixing the freshly distilled product with an amount of maleic anhydride equivalent to 5% to 20% by weight of the resulting mixture, the amount of maleic anhydride being not in excess of that which will dissolve in the hydrocarbon mixture at a temperature between 150° and 200° C., completely dissolving said maleic anhydride in said hydrocarbon mixture by intimately commingling these ingredients at a temperature within the range of 150° to 200°

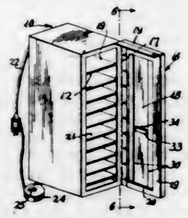
C. for a time up to about two hours, then raising the temperature of the resultant solution to between 200° and 250° C. under sufficient pressure to maintain the olefins in a liquid phase to bring about reaction between the maleic anhydride and olefins, and recovering the alkenyl succinic anhydride product.

2,411,216
AUTOMATIC GAS PRESSURE RELIEF BOTTLE CAP
Oscar N. Leutz, Port Clinton, Ohio
Application March 20, 1944, Serial No. 527,225
2 Claims. (Cl. 215—56)



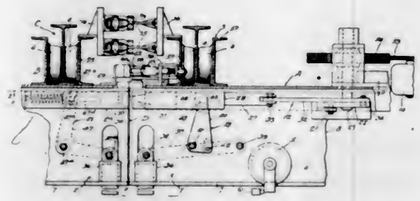
1. A wine bottle having a neck, a cork fitting tightly in said neck and formed with a longitudinal bore, a cap fitting about said neck and having an upper portion projecting upwardly from the neck and formed with a vented head at its upper end, an open-ended tube extending longitudinally through the bore of said cork and projecting beyond inner and outer ends of the cork, a packing disk fitting tightly about the projecting outer end portion of said tube and bearing against the outer end of said cork, a coil spring in said tube, a valve disc fitting against the outer end of said tube and the outer face of the packing and having an eye extending into the tube, and an anchoring element for the inner end of said spring formed from a strand of stiff wire bent to form an eye extending into the inner end of said tube and engaged with the inner end of said spring and arms extending in opposite directions from the eye and bearing against the inner end of the tube at opposite sides thereof.

2,411,217
PEANUT ROASTER
John Levine, Brooklyn, N. Y.
Application August 19, 1944, Serial No. 550,246
3 Claims. (Cl. 219—35)



1. A peanut roaster, comprising a heat insulation container having an open front and a plurality of shelves for holding bags of peanuts, a shell-like door having a hollow inner face and adapted to close said open front, a heater for said container, and within said hollow of said shell-like door a pair of vertical bars slideably mounted in said door and providing a gripping means for said bag, means for urging said bars together, and means for holding said bars in separated positions.

2,411,218
TRAVELING CRANE
Vermont V. Mappin, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a corporation of Iowa
Application September 27, 1943, Serial No. 504,037
7 Claims. (Cl. 104—98)

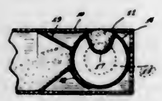


1. Two crane bridges for traveling, respectively, on parallel runways, each bridge having a trolley runway extending longitudinally thereof, and cooperating means on said bridges for engaging each other when the trolley runways are in substantial alignment and holding the adjacent ends of said trolley runways against longitudinal separating movement comprising two alignable abutment means mounted on said trolley runways, respectively, having interengageable separation opposing faces, and means for mounting one of said abutment means for pivotal movement on its runway into and out of alignment with the other abutment means, said abutment means being securely anchored to resist longitudinal separating movement of said trolley runways.

2,411,219
REACTION PRODUCTS OF DIHALOETHERS WITH DITHIOCARBAMATES
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 2, 1944, Serial No. 566.397
7 Claims. (Cl. 260—455)

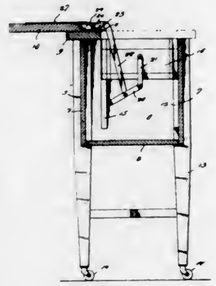
1. A process for the preparation of the reaction products of alpha-beta-dihaloethers with dithiocarbamates which comprises reacting an alpha-beta-dihaloether with a member selected from the group consisting of ammonium and alkali metal salts of dithiocarbamic acid.

2,411,220
PORTABLE DISPENSER UNIT
Harry J. McDargh, Jr., Atlanta, Ga.
Application April 7, 1944, Serial No. 529,936
2 Claims. (Cl. 222—126)



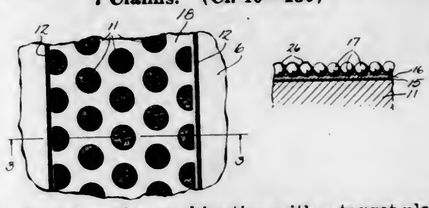
1. A dispensing package comprising a main hollow body, comprising opposite side walls, a front wall, a rear wall, and opposite end walls, a transverse opening in said front wall near one end wall, aligned ports in said side walls near said one end wall, a measuring barrel having trunnions projecting from its opposite ends and formed with a radially opening pocket, said trunnions being journal mounted in said ports and projecting therethrough, and said pocket, in one position of said barrel relative to said main body, registering with said transverse opening and in another relative position communicating with the interior of said main body, said trunnions being formed with broad free ends engageable, respectively, by the thumb and finger of one hand of an operator to hold said barrel against rotary movement while, with his other hand, the operator grasps said main body and turns the same about the axis of said barrel to vary the relative positions of said barrel and said main body whereby to shift said transverse opening and said pocket selectively into and out of registry.

2,411,221
CABINET
Norbert P. McGuire, Wilmore, Pa.
Application June 1, 1943, Serial No. 489,279
2 Claims. (Cl. 312—174)



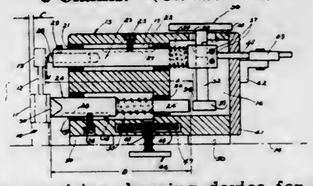
1. In a cabinet of the character described, a rectangular hollow body constituting a chamber, said body having a closed bottom and four closed side walls and an open top, a narrow top wall at one side of the body contiguous to one side wall thereof and defining, with the three other side walls, the top opening of the body, a horizontal dispensing rack in the form of a rectangular block mounted for vertical sliding movement in the chamber, a cover hinged to the inner edge portion of said narrow top wall for covering and closing, in its closed position, said top opening of the body, and when in open position the same resting supportedly upon said narrow top wall and extending therefrom in a horizontal position to provide a laterally projected serving table, four rectangularly spaced-apart vertical guide members of substantial length located in the chamber adjacent the four vertical corners thereof, the four vertical corners of said rack being correspondingly notched throughout their respective lengths and slidably engaged with said corner guide members of the chamber so as to guide the rack in its vertical movement, and a parallel pair of like link and lever connecting provisions between opposite sides of said rack and the adjacent hinged inner end portion of said cover, whereby, the rack is continuously supported and raised and lowered by the swingable opening and closing movement of said cover.

2,411,222
HIGHWAY REFLECTOR SIGN AND THE LIKE
Henry G. Meigs, Milwaukee, Wis.
Application December 26, 1942, Serial No. 470,190
7 Claims. (Cl. 40—130)



1. In a sign, the combination with a target plate provided with a rib outlining a symbol and with projecting bosses in predetermined pattern within the rib in mutually spaced relation respecting each other, said bosses and said rib having surfaces in substantially the same plane raised above said plate, the aforesaid surfaces comprising reflectors, a protective transparent spacing and bead mounting layer on said surfaces and beads adhering to said layer and thereby spaced outwardly from the reflecting surfaces in said plane.

2,411,223
PRECISION GRINDING WHEEL DRESSING DEVICE
Leonard Nachemov, New York, N. Y., assignor to Sossner Steel Stamps, New York, N. Y., a copartnership
Application December 7, 1944, Serial No. 566,990
5 Claims. (Cl. 125—11)

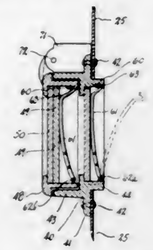


1. In a precision dressing device for the work grinding wheel of a profiling machine including a pattern follower wheel and a table for holding the work and a pattern, the combination of a frame, means for detachably securing the frame to said table, a grinding wheel dressing member movably mounted on the frame, adapted for movement to contact the grinding wheel, spring means to urge said dressing member away from the grinding wheel, a follower wheel contact member movably mounted on the frame, adapted to contact the follower wheel, spring means to urge said contact member towards and maintain it against the follower wheel, a stop means carried on one of said members in the line of travel of the other of said members; and means to manually shift the dressing member towards and into contact with the grinding wheel, until the stop means comes into contact with said other member.

2,411,224
WELDER'S HELMET
Joe O'Reilly, Tacoma, Wash., assignor to Welding Service Sales, Inc., San Francisco, Calif., a corporation of California
Original application June 19, 1943, Serial No. 491,452. Divided and this application September 2, 1944, Serial No. 552,498
4 Claims. (Cl. 2—8)

1. In a window for shields of the character described, comprising an open, rectangular frame

having an inwardly extending flange and a transparent panel removably applied in the frame and seated against said flange; a clip applied within the frame opening to retain the said panel in place; said clip comprising a cross member extending across the frame opening adjacent one edge of the panel, and opposite end legs extending from the ends of the cross member along and



overlying opposite edge portions of the panel and pivoted at their ends in the frame in a manner allowing the clip to be swung outwardly from the panel for its removal, and a lug on the frame back of which the said cross member of the clip can be removably engaged thus to hold the opposite end legs of the clip pressed against the panel and the panel seated in place.

2,411,225

3,4-DIBROMOTETRAHYDROTHIOPHENE

Wilbur I. Patterson, Chagrin Falls, and Joseph V. Karabinos, Columbus, Ohio, assignors, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application October 28, 1942, Serial No. 463,702

4 Claims. (Cl. 260—329)

1. 3,4-dibromotetrahydrothiophene.

2,411,226

CAR BODY

Nils Hilding Sixten Pehrson, Trollhattan, Sweden, assignor to Hubert Otto Wilhelm Eigenbrodt, Stockholm, Sweden

Application July 18, 1942, Serial No. 451,477

In Sweden August 9, 1941

4 Claims. (Cl. 296—28)



1. In a car body, a frame including horizontal and vertical tubes rigidly secured together, spaced and mutually cooperating resilient flanges formed longitudinally on each horizontal tube and lying outside of the tubular cross sectional profile thereof, and wall sections disposed tangentially of said tubes and each having smooth and flat upper edges resiliently gripped and frictionally held between said resilient flanges.

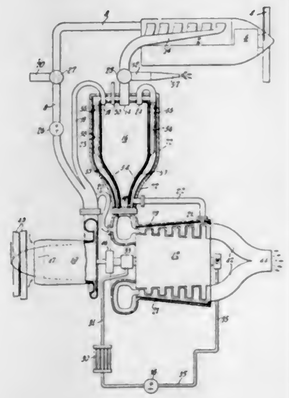
2,411,227

POWER PLANT FOR AIRPLANES

André P. E. Planiol, Huntington, and René J. H. Planiol, New York, N. Y.

Application November 17, 1941, Serial No. 419,463

1 Claim. (Cl. 170—135.5)



In a power plant for airplanes, the combination comprising an internal combustion engine, a propeller driven thereby, a turbine having elements fluid cooled to withstand high temperatures, a propeller driven by said turbine, a gas mixing and combustion chamber having an inlet and an outlet, a supercharger driven by said turbine, means for injecting liquid fuel into said chamber, said supercharger being connected to the inlet of said chamber and said turbine being connected with the outlet of said chamber, a connection between said supercharger and said engine, valve means in said connection adapted in one position to permit flow of air from said supercharger to said engine and in another position to cut off said supercharger from the engine and connect the engine to atmosphere, a connection between said engine and the inlet of said chamber and valve means in said last mentioned connection adapted in one position to permit flow of exhaust gases from said engine to said chamber and in another position to cut off said chamber from said engine and deliver the engine exhaust gases to the atmosphere, whereby said turbine may be operated either as an exhaust turbine or as a combustion turbine, depending upon the position of said valve means and upon the delivery of fuel to said chamber.

2,411,228

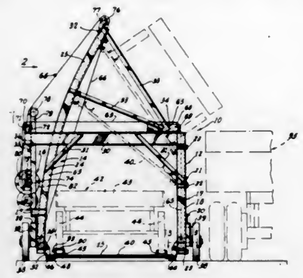
PORTABLE CART DUMPING APPARATUS

Alfred E. Poulsen, Los Angeles, Calif.

Application June 2, 1944, Serial No. 538,395

15 Claims. (Cl. 214—123)

1. In combination in a dumping elevator: supporting guide means; means guided by said guide means; link means pivotally connected with said guided means and with said carriage means to support said carriage means from said guided means; and means connected with said carriage



means adapted to elevate said carriage means and to elevate one side of said carriage means faster than the opposite side for dumping materials carried by said carriage means.

2,411,229

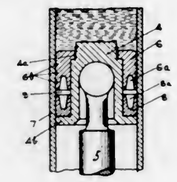
SEALING MEANS FOR PISTONS SUBJECT TO FLUID PRESSURE

James Henry Pratt, Birmingham, England

Application June 5, 1945, Serial No. 597,676

In Great Britain June 22, 1944

6 Claims. (Cl. 309—4)



4. Sealing means for pistons comprising a substantially vertically arranged cylinder, a piston for reciprocation within said cylinder, a stationary resilient means which is located to the rear of the acting face of the piston and which has a re-entrant groove, a complementary stationary re-entrant groove which is oppositely disposed relatively to the re-entrant groove of the resilient sealing means and a space which is open both to the re-entrant grooves and to the cylinder and into which any fluid leaking past the piston can accumulate and effect a compression of the air which becomes trapped in the re-entrant groove adjacent to the rear of the acting face of the piston and which entails a reaction in the re-entrant groove of the resilient sealing means which effects a leak proof seal with a pressure which is less than that built up on the acting face of the piston.

2,411,230

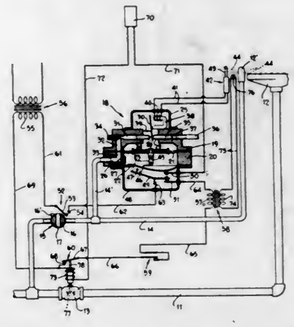
BURNER CONTROL SYSTEM

William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation

Application January 29, 1945, Serial No. 574,987

7 Claims. (Cl. 158—117.1)

1. In a gas-burner control system: a main burner; a pilot burner for said main burner; a manually operable valve for controlling supply of fuel to said pilot burner; a first electrical circuit; electrical means in said first circuit for igniting the fuel at said pilot burner; a second electrical circuit; an electrically operated valve in said second circuit for controlling supply of fuel to said main burner and biased to closed position; a first switch adapted to control a source of electrical energy for said circuits and actuated to circuit-closing position by movement of said manually operated valve to open position; a second switch in circuit with said first switch and adapted, when



the first switch is closed, to connect said circuits individually to said source, the second switch having two circuit-connecting positions and being biased to first-circuit-connecting position; a motor, operable slowly in opposite directions by the pressure of the fuel, for acutating said second switch between said two positions; valve means for controlling the operation of said motor; and means responsive to the flame of the pilot burner for controlling the operation of said valve means.

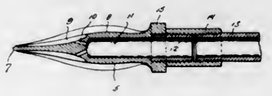
2,411,231

SPEARHEAD NOZZLE

Walter Rundle, Berea, and Harold E. Bruce, Elyria, Ohio

Application May 18, 1944, Serial No. 536,134

3 Claims. (Cl. 299—110)



1. A fire fighting nozzle adapted to be attached to a conduit for fire-extinguishing fluid comprising a spearhead-shaped hollow body, a plurality of longitudinally extending cutting edges formed on the body, said body having longitudinally extending channels in the sides thereof between said cutting edges, said channels having recesses in the front ends thereof and orifices communicating with the recesses leading from the interior of the body.

2,411,232

MACHINE FOR CLOSING CONTAINERS

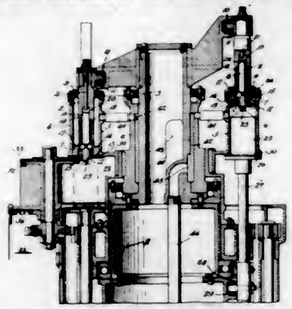
Matthew M. Sedwick, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application May 15, 1945, Serial No. 593,831

8 Claims. (Cl. 226—82)

1. A closing machine comprising a bell, a capping head in said bell having a cap support, means for moving the capping head relative to said bell for placing the cap support at the mouth of the

bell to receive the cap, a container support beneath the bell, means for moving the container support relative to the bell for positioning the mouth of the container in said bell and forming a



closed chamber about said mouth, means for vacuumizing said chamber, and means for operating said capping head for securing the cap to the container and sealing the same.

2,411,233

COAT HANGER ADAPTED TO BE SEWED INTO THE SHOULDER LINING OF CLOTHES

Rudolf Senn, Basle, Switzerland

Application October 2, 1945, Serial No. 619,837
In Switzerland November 6, 1944
5 Claims. (Cl. 2—271)



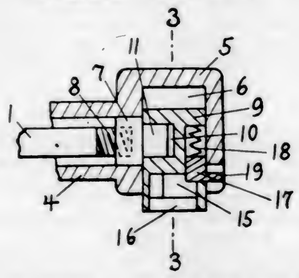
5. A coat-hanger adapted to be sewed into the shoulder-lining of a garment, composed of an elastic, flexible strip, a broad side of the strip being taken up by an uninterrupted row of adjoint-pieces, their intervening space being so small that they limit a bending of the strip towards this side, a stuff-covering loosely wrapping up the strip and the adjoint-pieces, this stuff-covering being sufficiently spacious to allow the strip contained therein to be turned about from the outside, and a suspension-loop adapted to be drawn through slits of the shoulder-lining and attached to the middle part of the stuff-covering.

2,411,234

APPARATUS FOR GRINDING TEETH

Samuel R. Silver, Brooklyn, N. Y.

Application November 22, 1944, Serial No. 564,569
2 Claims. (Cl. 32—26)



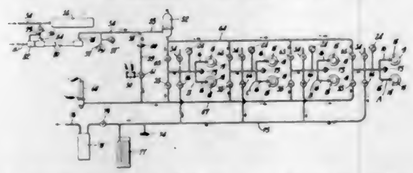
1. An instrument for grinding teeth comprising a tubular shaft casing, a head at the front end of said casing open at its lower end and having a rear wall formed with an opening registering with the casing, a block in said head slidable longitudinally therein through the open lower end thereof and having its lower end portion formed with a socket having a restricted entrance slot leading from the lower end face of the block, the rear portion of the block being formed with a transverse slot, a shaft rotatably mounted in said head, a disk carried by the front end of said shaft and having an eccentrically mounted pin extending forwardly therefrom in the head and engaged in the transverse slot to reciprocate the block longitudinally during rotation of the shaft and disk, said block having a groove at its front extending rearwardly from said socket, and having its lower portion communicating with a slot leading from the lower end of the front of the head, a latch slidable in the groove and having an actuating member extending forwardly through the slot at the front of the head, and a spring in the groove of said block urging the latch downwardly and yieldably holding it at the lower end of the groove with a portion extending into the socket, whereby a tool may be thrust into the socket and held against outward displacement by the latch.

2,411,235

APPARATUS AND METHOD FOR FILLING GAS STORAGE CYLINDERS

George H. Smith, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application February 11, 1943, Serial No. 475,567
15 Claims. (Cl. 226—20.1)



8. Apparatus for filling gas storage cylinders to a desired final pressure comprising, in combination, a cylinder rack; cylinder filling means including means for connecting said rack to a source of gas material under pressure which is greater than the desired final cylinder pressure; said connecting means comprising a relatively high-capacity connection for initially charging a cylinder connected to said rack with said gas material at a very rapid rate until the cylinder pressure reaches a value slightly below the desired final pressure, and a relatively low-capacity connection in parallel with said high-capacity connection for finally charging such cylinder connected to said rack with said gas material at a very slow rate until the cylinder pressure reaches the desired final value.

2,411,236

METHOD OF CONVERTING HYDROCARBONS INTO ORGANIC SULPHUR COMPOUNDS

Carlisle M. Thacker, Highland Park, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application March 30, 1940, Serial No. 326,963
7 Claims. (Cl. 23—206)

1. The method of preparing carbon-sulfur compounds which comprises contacting paraffinic hydrocarbon gases with sufficient sulfur vapors to stoichiometrically react with the gases to form mercaptans at a temperature of at least 400° C., at which the sulfur and hydrocarbon gases chemically react, in the presence of a catalyst selected from the group of preformed metal sulfides.

2,411,237

ADHESIVE SHEETS

George Townsend Turner, New York, N. Y., and Elwood Paul Wenzelberger, Plainfield, N. J., assignors to Johnson & Johnson, a corporation of New Jersey

No Drawing. Application June 3, 1943, Serial No. 489,434
2 Claims. (Cl. 117—68)

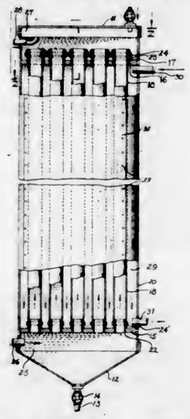
1. Sheet material suitable for use as a backing for adhesive tape and for other purposes and which is provided, on one of its surfaces, with a non-tacky coating characterized by softness, flexibility, excellent resistance to scuffing tests, substantial freedom fom flaking, and the ability to withstand sterilizing temperatures without melting or decomposing, said coating comprising from 30 to 65% by weight of a substantially polymerized reaction product formed from a terpene with maleic anhydride and a polyhydric alcohol, and from 35 to 70% by weight of additional material comprising mostly a filler.

2,411,238

PROCESS AND APPARATUS FOR DIALYZING SOLUTIONS

Justin Zender, Fredericksburg, Va., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application July 8, 1943, Serial No. 493,918
7 Claims. (Cl. 210—8.5)



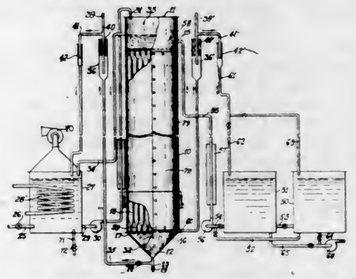
1. An apparatus for the dialysis of solutions comprising, in combination, a chamber, a multiplicity of tubular dialyzing membranes comprising outer tubes of relatively large diameter and tubes of relatively small diameter disposed in said tubes of large diameter, means spaced within said chamber supporting said tubular dialyzing membranes, means to pass the solution to be dialyzed through the outer tube into contact with one surface of the inner tube, means to pass another liquid through the inner tube into contact with the other surface of the inner tube, and means to continuously concentrate the solution being dialyzed so as to increase the rate of dialysis.

2,411,239

APPARATUS FOR DIALYZING

Frank H. Reichel and Arthur O. Russell, Fredericksburg, Va., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application July 8, 1943, Serial No. 493,919
6 Claims. (Cl. 210—8.5)



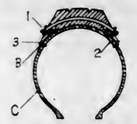
1. An apparatus for the dialysis of liquid solutions comprising, in combination, a chamber, means of dialysis comprising a dialyzing membrane in the form of a tube disposed therein, means for continuously circulating the solution to be dialyzed in contact with one surface of the tube, means for passing another liquid into contact with the other surface of the tube, means for concentrating the dialyzate after passage through the dialyzing tube, and means for recirculating the concentrated dialyzate through the tube.

2,411,240

SUPERTREAD FOR TIRES

Kenneth Cutler Alward, Moweaqua, Ill.

Application June 25, 1942, Serial No. 448,367
2 Claims. (Cl. 152—191)



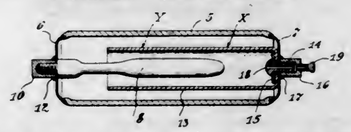
1. In combination with a pneumatic tire a conveniently attachable tread therefor comprising a plurality of sectional, resilient tread soles encompassing the perimeter of said tire, and comprising a circular tie band having beveled inner and outer edges so as to acquire a relatively unabrupt surface between said tire and said attachable tread therefor, means for attaching the tie band to the foundation tire, means fastening the tread member to the tie band in a manner such that the tread overlaps the tie band, which provides an anchoring member holding said attachable tread.

2,411,241

SERIES SPARK GAP DEVICE

Edward G. F. Arnott, Upper Montclair, and Clarence E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

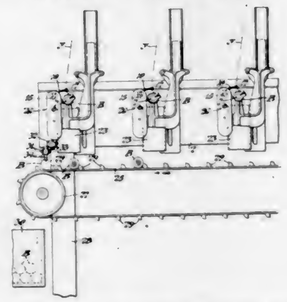
Application September 2, 1944, Serial No. 552,413
7 Claims. (Cl. 250—27.5)



1. A spark-gap device comprising opposite end caps and an interposed glass sleeve between said

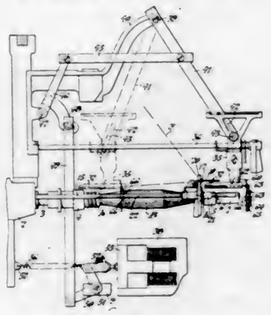
end caps sealed to each, one of said end caps having a rod-like electrode secured thereto and the other end cap having a hollow cylindrical electrode secured thereto, said rod-like electrode projecting coaxially into said hollow cylindrical electrode.

2,411,242
BOBBIN-IDENTIFYING DEVICE FOR WINDING MACHINES
Gustaf S. Beckman, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Original application July 2, 1941, Serial No. 400,870, now Patent No. 2,393,973, dated February 5, 1946. Divided and this application April 10, 1944, Serial No. 530,407
8 Claims. (Cl. 242—1)



1. In a winding machine, the combination with a plurality of winding units, of an endless conveyor arranged therebelow, means for traveling the conveyor in a horizontal path to adapt it to receive packages of yarn doffed from the winding units, and means adjacent the conveyor for contacting the packages as they are traveled thereby to mark the yarn on the packages with identifying indicia.

2,411,243
BOBBIN-IDENTIFYING DEVICE FOR WINDING MACHINES
Gustaf S. Beckman, Cranston, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Original application April 10, 1944, Serial No. 530,407. Divided and this application June 21, 1945, Serial No. 600,744. In Great Britain July 2, 1941
7 Claims. (Cl. 242—1)



1. In a winding or like machine, means for packaging yarn on the machine, an element movable longitudinally of the package, and means carried by said element and adapted to contact the yarn on the package to apply identifying indicia thereto.

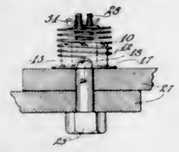
2,411,244
COLLAPSIBLE TUBE
Boris Bogoslowsky, Jackson Heights, N. Y.
Application August 19, 1944, Serial No. 550,238
11 Claims. (Cl. 93—36.8)



1. The method of making a collapsible tube from sheet material which comprises shaping a tubular blank of such material to provide an embryo tube having a shoulder and an elongated tubular neck integral with the tubular body and consisting of folded material, and subjecting the entire end surface of said elongated tubular neck to longitudinal pressure to compress and compact the neck material and to shorten and thicken the same to provide a finished neck of substantial strength and rigidity.

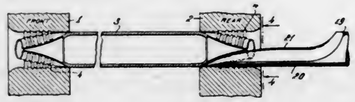
11. The method of making a collapsible tube from sheet material which comprises internally supporting a cylindrical tubular blank of such material on a pair of aligned spaced mandrels, rotating one of said mandrels relative to the other while holding said blank against circumferential slippage on said mandrels, and moving said mandrels longitudinally toward each other during said rotating movement.

2,411,245
NUT TIGHTENER
John Henry Buechler, Chicago, Ill.
Application November 13, 1944, Serial No. 563,164
6 Claims. (Cl. 85—32)



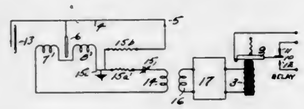
1. A pre-set tightener for a nut securing work on a bolt, wherein the free end of the latter projects from the nut and is formed with an end slot, comprising a member adapted to be mounted non-rotatably on the nut, and a wound coil spring surrounding the member, the ends of the spring being attached to the member, one end of the spring being movable from the member and adapted to be secured to the bolt by being deposited in said slot, and the winding of the spring being in a direction to influence the member to turn the nut in the tightening direction.

2,411,246
METHOD OF REMOVING DEFECTIVE TUBES FROM TUBE SHEETS
Ray L. Clapper, West New Brighton, Staten Island, N. Y., assignor to The Griscom Russell Company, New York, N. Y., a corporation of Delaware
Application December 23, 1942, Serial No. 469,932
1 Claim. (Cl. 29—157.4)



The method of removing tubes having flared ends from boiler tube sheets wherein the tube has ribs in grooves in the tube sheet, which comprises cutting the tube sufficient to enable removal of its entire flared end portion, then cutting away the inner wall of the tube to a point adjacent the inner wall of the tube sheet leaving a thin walled section having ribs in the grooves of the boiler tube sheet, and then collapsing the thin walled end section of the tube to release the ribs from the grooves in the tube sheet.

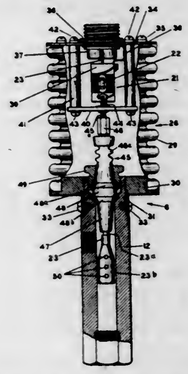
2,411,247
ELECTRIC OSCILLATOR AND OSCILLATOR CONTROLLED RELAY CIRCUIT
Theodore A. Cohen, Chicago, Ill., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application January 7, 1942, Serial No. 425,906
26 Claims. (Cl. 175—320)



1. The combination with an instrument having a variable position part carrying a control element and whose position is controlled by variations in conditions to which the instrument is subjected, of a resonant circuit, a vacuum tube oscillator for exciting said circuit, a second resonant circuit coupled to said first resonant circuit, the control element whose position is controlled by said variable position part, being movable to a position in which it affects the tuning of said second resonant circuit, and a relay controlled by said oscillator, to in turn control said position of said variable position part.

2. The combination with an instrument having a variable position part, whose position is controlled by variation in conditions to which the instrument is subjected, of an oscillator circuit having an inductive portion for cooperating with said part, said part being movable to a position in which it affects said portion to thereby affect the tuning of said oscillator circuit, and means for maintaining said part and said inductive portion at approximately the same potential to thereby prevent disturbing electrical effects upon the measuring ability of said instrument, said oscillator controlling the position of said part.

2,411,248
ELECTRICAL SYSTEM FOR CONTROLLING THE LEVEL OF LIQUID IN CONTAINERS
Theodore A. Cohen, Chicago, Ill., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application April 12, 1943, Serial No. 482,812
3 Claims. (Cl. 250—16)

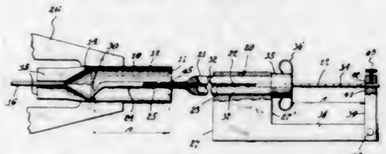


1. The combination of a high pressure enclosure having an inner conducting surface adapted to contain liquid at a predetermined level therein, an electrode extending into the enclosure for cooperation by the walls of the electrode with the liquid and said surface to form a capacity change device wherein the capacity between the walls of the electrode and said surface is varied by the rise and fall of the liquid in accordance with the liquid level, the liquid forming a portion of the electrical capacitance, a non-conducting support for said electrode surrounding the same, the enclosure being provided with an opening and a pressure seal therein for said electrode and support, and a grid tank unit mounted outside said enclosure in spaced relation therewith, and forming an oscillating circuit including said electrode, the mounting for the grid tank unit including an envelope member surrounding the outer end of said electrode and having an opening for receiving the grid tank unit in position upon assembly to readily connect with said electrode.

2,411,249
PROCESS OF PRODUCING FAST DYEINGS ON ARTIFICIAL FIBERS WITH DYESTUFFS OF THE GALLOCYANINE CLASS
Georges de Niederhäusern, Basel, Switzerland, assignor to Durand & Huguenin A. G., Basel, Switzerland
No Drawing. Application July 6, 1942, Serial No. 449,956. In Germany July 16, 1941
7 Claims. (Cl. 8—34)

1. A process for producing dyeings on nylon fiber with gallocyanine-dyestuffs which comprises applying on to the fiber a dyestuff of the said group in leuconic form, from an alkaline vat, and developing the dyeing thereon by an after-treatment in a bath containing a salt of chromic acid and an acid, and finally soaping.

2,411,250
COATING CATHODES
George S. Evans, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 20, 1941, Serial No. 398,975
4 Claims. (Cl. 117—95)



3. A coating process for the interior of a tubular member consisting of three simultaneous operations, namely; moving a nozzle, from which coating material is ejected, longitudinally of and in one direction in proximity to the interior surface of said tubular member being coated; forcing coating material from the nozzle commensurate with, and controlled in amount by, movement of the nozzle; and spinning the tubular member and thereby centrifugally spreading the material in a direction transverse to the movement of the nozzle.

2,411,251
HYDRAULIC SCALE CAPSULE
Bernard D. Feld, Birmingham, Ala.
Application December 4, 1943, Serial No. 512,895
9 Claims. (Cl. 265—47)



3. A load responsive pressure producing unit for a hydraulic force measuring apparatus comprising spaced upper and lower plates having circular grooves in their opposed faces near the peripheries thereof, a rubber ring gasket seated in said grooves to form a resilient seal, whereby said unit is adapted to contain a liquid subject to pressure transmitted thereto by said plates under load, metal reinforcing means for the gasket to retain it against lateral displacement in the grooves, there being openings through said metal reinforcing means to provide for the flow of rubber responsive to pressure.

2,411,252
BEAUTICIAN'S COMB
Marian L. Finman, Minneapolis, Minn.
Application August 13, 1945, Serial No. 610,406
6 Claims. (Cl. 132—11)

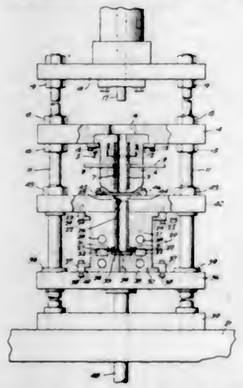


2. An article of manufacture comprising a single sheet of flexible metal blank having a widened central portion and integral tapered side portions at each side thereof, said side portions being curved around with their ends in overlapping relation so as, with the widened central portion, to form a ring of tapered shape to fit onto the first joint of a user's finger, and a plurality of teeth punched outwardly from the plane of the sheet in and arranged transversely of said widened central portion so as to be in a line lengthwise of the finger when the device is in position thereon.

2,411,253
PEST CONTROL
Albert L. Flenner and Norman E. Searle, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 11, 1941, Serial No. 414,608
9 Claims. (Cl. 167—22)

1. A parasiticidal composition containing as an essential active ingredient the compound having the formula R—S—X—Y in which R is a thiazole attached at the 2-position, X is a methylene radical bearing at least one hydrogen and Y represents an aliphatic substituted or unsubstituted amino radical linked through amino nitrogen to X, and a carrier therefor.

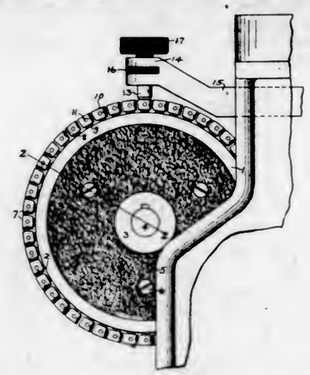
2,411,254
MOLDING DEVICE
George H. Frank, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1942, Serial No. 460,066
6 Claims. (Cl. 18—30)



6. A molding apparatus for molding thermosetting material comprising a cylindrical preheating chamber for heating a charge of molding material to a plastic flow condition, said preheating chamber being made of a Pyrex type glass, means for electrostatically heating said molding material in said chamber including a pair of spaced electrodes imbedded in the walls of said chamber, a removable member for closing one end of said chamber, a mold having an extrusion cylinder in alignment with said preheating chamber, means for heating said mold and extrusion cylinder to a temperature to maintain said plastic flow condition, and a plunger in alignment with said preheating chamber and extrusion cylinder for compressing said molding material in said preheating chamber and for transferring the plasticized molding material from the preheating chamber to the extrusion cylinder and then extruding it into the mold.

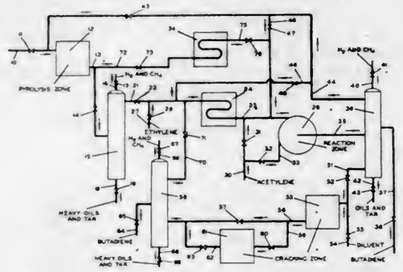
2,411,255
FASHION MECHANISM
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application March 22, 1945, Serial No. 584,179
6 Claims. (Cl. 66—54)

1. A fashion mechanism which includes a rotatable disc provided with a flange and a plurality of radially adjustable, radially directed cams on said flange each having a head with a



camming surface, all points of which are equidistant from the center of said disc.

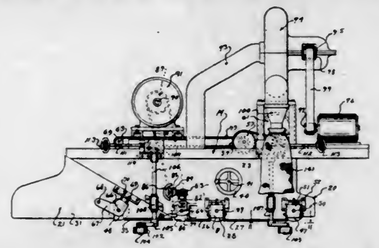
2,411,256
CONVERSION OF HYDROCARBONS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 13, 1942, Serial No. 465,495
2 Claims. (Cl. 260—680)



1. The process of making butadiene from ethylene and acetylene which comprises passing a mixture consisting of ethylene and acetylene in a molal ratio of from 10:1 to 50:1 through a reaction zone, maintaining the reaction mixture in said zone at a temperature of from 871 to 881° C. and under a pressure of from 0.2 to 2 atmospheres, holding the reaction mixture in said zone for a period of time within the range of from about 0.14 second to about 0.23 second, withdrawing the reaction mixture from said zone and recovering the butadiene content thereof as a product of the process.

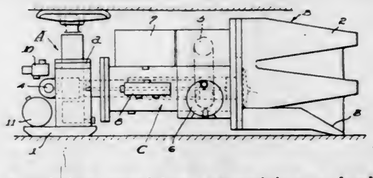
2,411,257
ELECTRIC PLANER
Abraham Friedman and Peter Thompson, Peshtigo, Wis., assignors to Unit Structures, Inc., Peshtigo, Wis.
Application April 14, 1943, Serial No. 482,962
1 Claim. (Cl. 144—117)

A self-propelled machine for planing the upper face of a large beam or arch comprising a frame, a power driven planing cylinder extending transversely across said frame for engaging the upper face of an arch or beam, power driven propelling rollers extending transversely of the frame of the machine for engaging the upper face of the beam, spaced crank shafts carried by one side of the



frame, cranks on the lower ends of said shafts, guide rollers carried by said cranks for engaging the side face of an arch or beam, and independent means for turning each of said shafts.

2,411,258
HYDRAULIC MACHINE
William Shearer Galloway and James Anderson, Glasgow, Scotland, assignors to Joy Manufacturing Company, Franklin, Pa.
Application September 6, 1945, Serial No. 614,770
In Great Britain March 9, 1944
6 Claims. (Cl. 262—8)

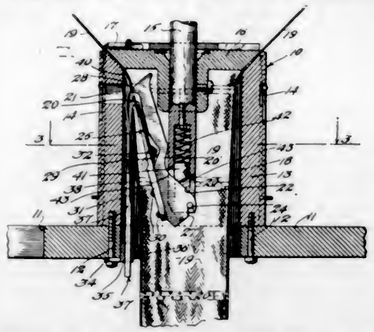


1. A mining machine comprising a hydraulic jack unit adapted to jam between mine roof and floor, a shearing head unit of wedge-form, a hydraulic cylinder connected to one of said units, a piston in the cylinder, a piston rod connecting the piston to the other unit, means for supplying fluid under pressure to the end of the cylinder at the free end of the piston, conduit means to conduct said fluid under pressure to said jack unit, a normally open fluid pressure operated valve in said conduit means, a hydraulic pressure intensifier for said jack unit connected to said conduit means on opposite sides of said valve and adapted to operate automatically when rising fluid pressure in the jack unit closes the valve, means for trapping fluid in the cylinder at the rod end of the piston to lock the piston and cylinder against relative movement until said intensifier increases the fluid pressure in the jack unit, and means for releasing said trapped fluid from said cylinder to permit said fluid pressure in the other end of the cylinder to force said shearing head forward away from the jack unit.

2,411,259
LOOP CUTTER
John N. Gilbreath, Summerville, Ga.
Application September 24, 1945, Serial No. 618,121
10 Claims. (Cl. 66—147)

1. A loop cutter for circular knitting machines which includes the combination with a needle cylinder and a dial-supporting post upon which the needle dial is secured in operative relation with the cylinder, of a selector needle yieldingly mounted on the post within the cylinder, said

needle being adapted to intercept and re-direct a loop of the shed-off strip of the product of the



machine, and a knife interposed in the path of travel of said re-directed loop to severe it.

2,411,260

APPARATUS FOR SUPPORTING AND CEMENTING LINERS OR CASINGS IN WELL BORES

Robert C. Glover and Roscoe O. Childers, Olney, Ill., assignors to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application May 16, 1941, Serial No. 393,758
7 Claims. (Cl. 166—1)



1. Apparatus of the character described, including a liner, a tubular string, means for coupling said liner to said tubular string in leakproof relation with respect thereto independently of longitudinal movement of said tubular string to enable said tubular string to support said liner, said tubular string having a lateral outlet at its lower end, and a sleeve valve in said string for normally closing said outlet, said sleeve valve being shiftable to a position opening said outlets to allow passage of fluid therethrough while said tubular string is in tension sustaining the weight of said liner.

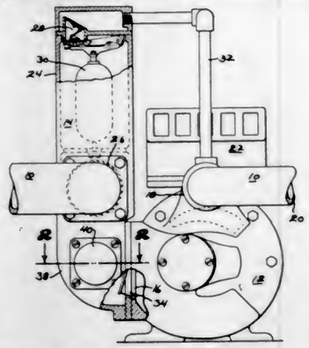
2,411,261

FLUID METERING APPARATUS

Albert J. Granberg, Oakland, Calif.

Application June 17, 1942, Serial No. 447,421
5 Claims. (Cl. 73—200)

1. In combination, a fluid meter, air-separation means associated with liquid flow to said meter to separate air from liquid during normal flow of such liquid to said meter, flow delay means extending only partially across the flow path to said meter at all times in the absence of flow therethrough to permit an initial reduced flow of liquid thereby to said meter, said flow



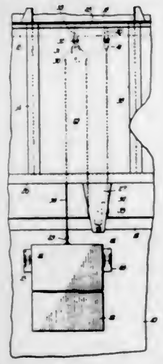
delay means being activated by said initial reduced flow of liquid and including a slow release type valve assembly for precluding full flow during a time period sufficient to permit said air-separation means to free the initial portion of liquid of excessive amounts of air trapped therein.

2,411,262

COUNTERBALANCED EXPANSION ROOF

Philip S. Graver, Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind., a corporation of Delaware

Application February 7, 1944, Serial No. 521,334
7 Claims. (Cl. 48—176)



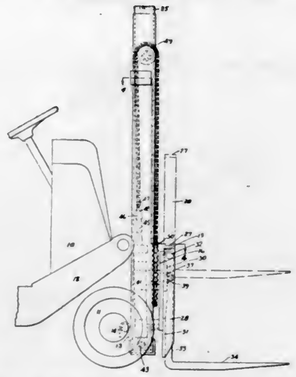
1. In a tank having an expansion roof with sealing means between the roof and the tank shell, a rain shed skirt depending from the periphery of the roof and encircling the tank shell adjacent the upper portion of the tank, a plurality of upper sheaves supported in spaced relation around the upper edge of the tank shell, lower sheaves secured to the lower edge of the rain shed skirt in spaced relation corresponding to that of the first mentioned sheaves, whereby certain upper and lower sheaves are vertically aligned to form pairs, cables anchored at one end to the upper edge of the tank shell and each extending downwardly to pass under a lower sheave and then upwardly to pass over an upper sheave, and a counterweight secured to the opposite depending end of each cable.

2,411,263

INDUSTRIAL TRUCK

Paul R. Guerin and Herman Musgrave, East Cleveland, Ohio, assignors to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio

Application August 13, 1945, Serial No. 610,408
14 Claims. (Cl. 214—113)



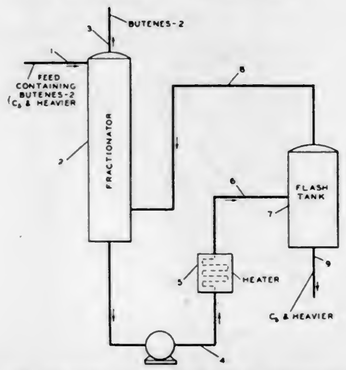
1. In an industrial truck, in combination with the front portion of the frame thereof and a substantially vertical mast assembly supported by the said portion of the frame, a carriage assembly comprising a supporting member slidably mounted upon said mast assembly and a rotatable member provided with load supporting means and mounted for rotary movement upon and with respect to the said supporting means, and common means for lifting the said carriage assembly and for imparting rotary movement to the rotatable member thereof.

2,411,264

SEPARATION OF HYDROCARBONS

Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 8, 1944, Serial No. 534,599
6 Claims. (Cl. 202—40)



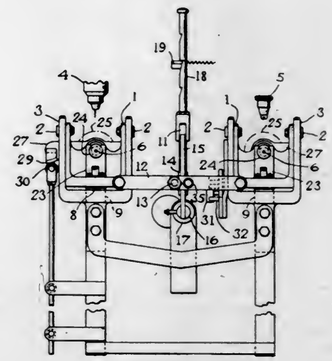
1. The method of separating butenes-2 from a mixture of said butenes-2, C_5 and heavier hydrocarbons produced in the manufacture of butadiene which comprises feeding a hydrocarbon mixture containing said butenes-2 and heavier hydrocarbons to a fractionating column and fractionally distilling same therein, supplying to the bottom of said column heat in amount such that said butenes-2 is incompletely removed from the kettle product and maintaining the reboiler section of the column at such a temperature that polymerization in the fractionating column is prevented, withdrawing an overhead of said butenes-2, withdrawing the kettle product containing said heavier hydrocarbons in admixture with a substantial portion of said butenes-2, heating said withdrawn kettle product in a separate zone to a temperature such that the butenes-2 content thereof will be substantially completely driven off and flashing said butenes-2 therefrom.

2,411,265

MACHINE FOR MAKING CIRCULAR LATHE BRUSHES

James Hall, Leeds, England, assignor to Kingswood Manufacturing Co. Limited, Letchworth, Herts, England, a company of Great Britain

Application May 15, 1943, Serial No. 487,173
In Great Britain May 26, 1942
7 Claims. (Cl. 300—3)



1. In a machine for making cylindrical brushes of the dental lathe type, a stock holder, a pin rotatably supported on said stock holder for receiving a cylindrical brush stock, a carrier head having pivot means supporting the forward end of said stock holder for angular movement to present the stock to work devices so that different rows of holes may be drilled or filled with bristles at the correct angle, means supporting said carrier head for reciprocatory movement with respect to said work devices, and means connected to the rear end of said stock holder to support the stock holder for reciprocation with said carrier head, said supporting means being adjustable vertically to effect the desired changes in the angular presentation of the cylindrical brush stock.

2,411,266

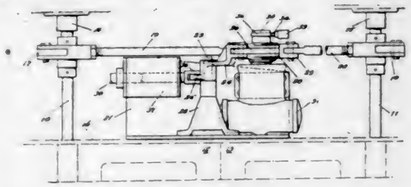
SOLENOID LOCKED PUSH DOOR

Wallace Hamilton, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a corporation of New York

Application October 19, 1945, Serial No. 623,196
9 Claims. (Cl. 292—1)

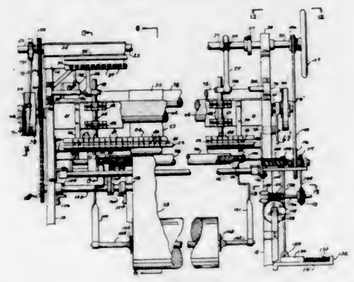
1. In a door operating system, the combination including a pair of door shafts, a spring biased door check having a multiple armed lever connected thereto, linkage systems for connecting said shafts to a pair of the arms of said lever, a solenoid having a reciprocable plunger, and a

linkage system interconnecting said plunger with another arm of said lever, said plunger lying in



the same position with respect to said solenoid for door open and door closed positions.

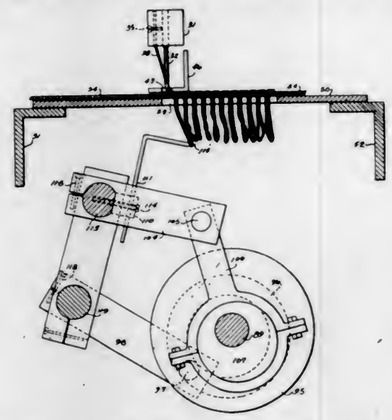
2,411,267
MULTIPLE NEEDLE TUFTING MACHINE
Lyman Hamrick, Gaffney, S. C.
Application July 20, 1944, Serial No. 545,759
1 Claim. (Cl. 112—79)



In a tufting machine having a plurality of needles for penetrating a fabric and having a looper associated with each needle, means for operating all of the loopers in unison to engage a loop when a needle penetrates below the fabric being passed through the machine, a cutter associated with each looper, and separately mounted therefrom, for engaging the looper at all times and for severing some of the loops on the looper as the looper swings rearwardly when the needles rise upwardly, a feed roll for pulling the fabric through the machine, means driven by the machine for driving the feed roll in timed relation to the reciprocation of the needles, a work support table for supporting the fabric in front of the needles, means for moving the work support table laterally back and forth relative to the needles to thereby form sinuous lines of tufts on the fabric by changing the position of the fabric as it advances to the needles, and pattern means for controlling movement of the work support table including a pattern wheel having pins thereon, and a lever engageable by the pins for rendering active the means for moving the work support.

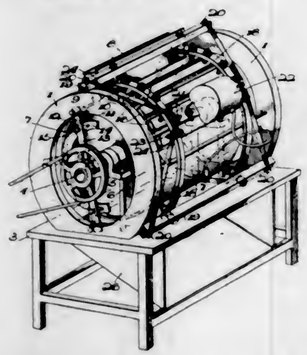
2,411,268
MULTIPLE NEEDLE LOOPING MACHINE
Lyman Hamrick, Gaffney, S. C.
Application August 4, 1944, Serial No. 548,017
5 Claims. (Cl. 112—79)

1. A looping machine comprising a framework having a needle bar provided with a plurality of needles and means for imparting vertical reciprocation to the needle bar and needles to pierce a fabric being passed through the machine, an oscillating shaft disposed below the fabric and having a pair of upwardly projecting arms thereon, a looper shaft mounted for oscillation in the upper ends of said arms, means for imparting oscillation to the first-named shaft to pass the loopers between the needles and the strands carried thereby to engage the strands when the needles are in lowered position so as to form



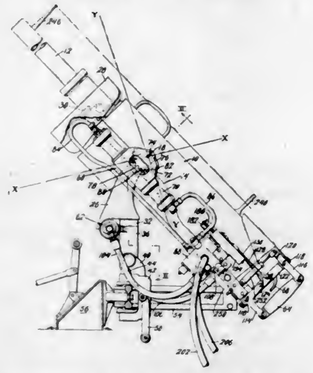
loops on the lower surface of the fabric as the needles are withdrawn from the fabric, means for also imparting oscillation to the looper shaft for moving the points of the loopers further downwardly away from the fabric to lengthen the loops already formed by the loopers from the yarn passed through the fabric by the needles.

2,411,269
MACHINE FOR THE APPLICATION OF CERAMIC COLOR
Eugene Hardesty, New Brighton, Pa., assignor to Fuller Label & Box Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 30, 1941, Serial No. 409,105. Divided and this application April 26, 1944, Serial No. 532,837
15 Claims. (Cl. 91—37)



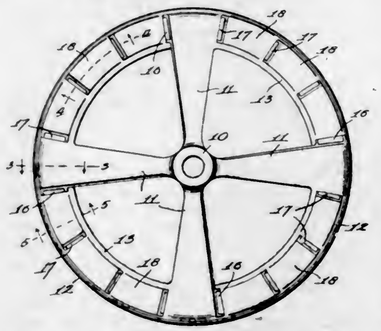
2. A device for applying ceramic color to a surface prepared with an adhesive coating comprising a support for an object having such prepared surface, an applicator adapted to be engaged with ceramic color applied to said coating, means for bringing said applicator and applied ceramic color in contact, means for restraining the support against vibration, and means for vibrating the applicator in all directions.

2,411,270
CONTROL MECHANISM
Fred V. Hart, Lynn, John F. D. Smith, Swampscott, and Lambert S. Linderoth, Jr., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 9, 1942, Serial No. 430,132
9 Claims. (Cl. 89—41)



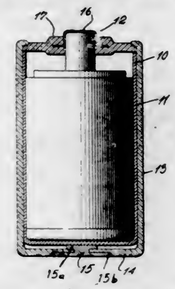
1. In apparatus for training a gun, the combination with a gun mounted for universal swinging movement about two transverse axes, of fluid-pressure-operated mechanisms for swinging the gun, a control means for each of said mechanisms, an operating member common to all of said control means comprising a control handle movably mounted on the back end of the gun, in substantially the same location as the usual hand grip, to start said mechanisms in operation, and means for operating the control means directly by movements of the handle, said control means and said operating means being so constructed and arranged that the direction, speed and extent of swinging movement of the gun are directly and continuously determined by the direction, speed and extent of movement of the handle.

2,411,271
AIRCRAFT PROPELLER
William I. Jackson, Orange, Calif.
Application August 26, 1943, Serial No. 500,083
2 Claims. (Cl. 170—168)



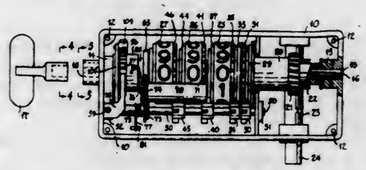
1. In an airplane propeller, a hub, a series of blades projecting radially from said hub, which blades are inclined lengthwise and in cross section, a peripheral ring integrally connected to the outer ends of said blades, which ring is lozenge shape in cross section and being offset rearwardly from said hub, a continuous flange projecting inwardly from said ring between its front and rear ends, the inner edge of which flange is secured to said blades inwardly from their ends, and there being spaced openings formed in said flange.

2,411,272
BATTERY
Frederick A. Keller, East Paterson, N. J., assignor to Bright Star Battery Company, Clifton, N. J., a corporation of New Jersey
Application August 21, 1943, Serial No. 499,477
1 Claim. (Cl. 136—133)



A battery comprising a metallic anode cup open at its upper end and containing a cartridge having a centrally arranged electrode, a shell of plastic material fitting over the cup and open at its upper end and closed at the lower end by an integral end wall provided with a small aperture, said shell having the edge of its open upper end extending beyond the open upper end of the cup, a plastic cover closing the open upper end of said shell and having a gas-tight seal with the edge of the shell, a metallic cap sealed in said cover with a portion of said cap exposed and with the end of said electrode received in said cap, and a rivet-like metal member consisting of a shank of small diameter filling the small aperture in the lower end wall of the shell, an inner head integral with shank and located within the shell in contact with said cup and an outer head exterior of said shell of substantial diameter, having its exposed surface flush with the outer surface of said shell.

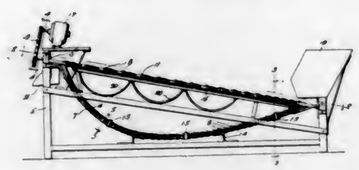
2,411,273
DEVICE FOR INDICATING THE UNAUTHORIZED OPERATION OF REGISTERS
Woodford A. Kennedy and Beverly A. Southerland, Charlotte, N. C.; said Southerland assignor to said Kennedy
Application December 14, 1945, Serial No. 634,981
8 Claims. (Cl. 235—1)



1. A counter having a rotatable shaft on which a plurality of counting wheels are rotatably mounted, said counter having a casing and a window in the casing having a transparent pane covering the same, through which the counting

wheels are visible, a shield member oscillatably mounted on the shaft on which the counting wheels are mounted, spring means normally tending to move the shield to a position where it will not be visible through the window, and means on the shaft releasably connected to the shield for engaging the shield when the shaft is turned to move the shield to a position between the window and that portion of the counting wheels appearing immediately adjacent the window.

2,411,274
ROLLER GAUGE SORTING MACHINE
Louis Kerian, Grafton, N. Dak.
Application March 24, 1944, Serial No. 527,948
1 Claim. (Cl. 209—106)



A sorting machine of the character described comprising a horizontally elongated frame, spaced vertical and horizontally elongated guideways mounted longitudinally of and within the frame, said guideways being endless and having flat upper portions and defining a vertical orbital path having a flat upper portion, each guideway including uniformly spaced inner and outer guide rails, a continuous series of rollers disposed transversely of and bridging the space between the guideways, said rollers having shafts whose ends project outwardly between and beyond the guide rails of the guideways, and means to cause movement of the rollers in said path including worm shafts having threads provided with grooves receiving the ends of the roller shafts at the upper portion of the path, said worm shafts being journaled longitudinally of and at opposite sides of the frame parallel with the upper portions of the guideways, the threads of said worm shafts gradually increasing in pitch in a direction corresponding to the direction of movement of the rollers, the upper portions of the guideways being inclined upwardly, the inclination being sufficient to cause the rollers to be fed to the forward part of the machine and the threads of the worm shafts terminating near the rear ends of the upper portions of the guideways whereby the rollers may pass by gravity from the upper portions of the guideways to the lower portions thereof for forcing the rollers successively upwardly into position to engage the threads of the worm shafts at the lower ends of the latter.

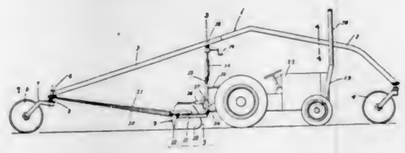
2,411,275
ORGANOPOLYSULFIDE RUBBER
Ivar H. Kinneberg and Charles L. Thomas, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 12, 1943, Serial No. 478,963
21 Claims. (Cl. 260—79)

1. A process which comprises reacting propylene and a conjugated diolefin with sulfur monochloride to form a mixture of chloroalkyl sulfides and treating said mixture with an aqueous solution of a water-soluble polysulfide.

2,411,276
ORGANOPOLYSULFIDE RUBBER
Ivar H. Kinneberg and Charles L. Thomas, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 12, 1943, Serial No. 478,966
9 Claims. (Cl. 260—79)

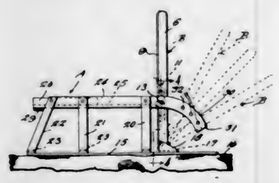
1. A process which comprises reacting a branched chain dichlorodialkyl sulfide and a polyhalo dialkyl sulfide containing at least three but not more than four halogen atoms per molecule with an aqueous solution of a water-soluble polysulfide to form an elastomer.

2,411,277
TRACTOR-IMPLEMENT COMBINATION
Royal B. Laird and Louis H. Gonella, Merced, Calif.
Application March 6, 1945, Serial No. 581,240
11 Claims. (Cl. 37—180)



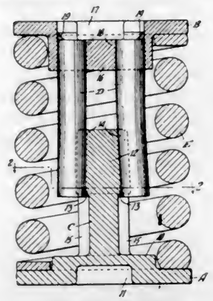
2. A tractor-implement combination comprising an elongated frame supported above and for movement along the ground, a scraper, means suspending the scraper from the frame intermediate its ends, a tractor disposed between the front end of the frame and the scraper, and a draft coupling between the tractor and scraper; said frame being arched, and the tractor being positioned beneath the frame.

2,411,278
BED-TYPE CHAIR
Lillie M. Leavitt, Lakeport, N. H.
Application May 28, 1945, Serial No. 596,196
4 Claims. (Cl. 5—70)



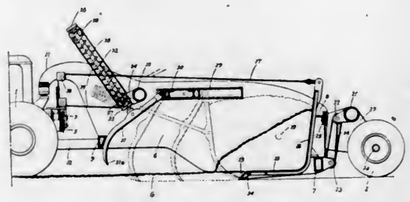
3. A bed chair of the class described comprising a pair of spaced, parallel, relatively wide base rails adapted to sit directly and firmly on a bed mattress, uprights connected to and rising from said base rails, auxiliary side rails connected to the upper ends of said uprights and disposed horizontally above and parallel to the base rails, said auxiliary rails having inturned flanges forming ledges, said ledges serving as supporting guides, a table-board slidable on said ledge-guides, the undersides of said ledge guides having channels forming key-ways, and cleats on the underside of said table-board, said cleats having detents forming keys and said keys being slidable in said key-ways.

2,411,279
FRICTION SHOCK ABSORBER
Edward H. Lehman, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application January 31, 1944, Serial No. 520,466
6 Claims. (Cl. 267—9)



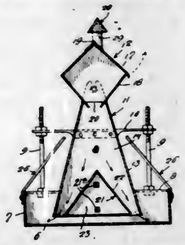
1. In a friction shock absorber, the combination with a friction post having longitudinally extending, transversely curved friction surfaces; of a plurality of cylindrical, inherently resilient friction bars surrounding said post, and having lengthwise sliding engagement with the friction surfaces thereof, said bars being rigidly supported against spreading action at their outer ends and having the inner ends thereof embracing the post; and spring means yieldingly opposing relative lengthwise movement of said post and bars toward each other.

2,411,280
SELF-LOADING SCRAPER
Erich H. Lichtenberg, Milwaukee, Wis., and Percy S. Webster, Stockton, Calif.; said Webster assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation
Application June 6, 1944, Serial No. 538,960
3 Claims. (Cl. 37—126)



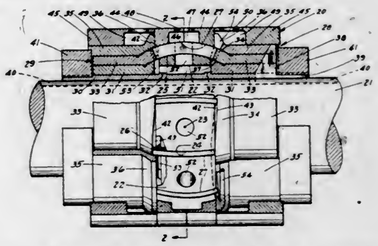
1. A scraper comprising front and rear wheel supported trucks, a frame mounted on said trucks, said frame including a main scraper bowl adjacent the rear end thereof, said bowl having a front cutting blade, means to raise and lower the bowl to carry the cutting blade into digging and scraping position in the earth, means to move the frame forwardly to cause the blade to dig and scrape earth and force it into the bowl, a carriage movable longitudinally on the frame forwardly of the main bowl, a digging and scraping element pivoted to the carriage and normally held out of engagement with the ground while the main scraper bowl is moving forwardly, and means to selectively move said element on its pivot into digging and scraping position and then moving the carriage toward the scraper bowl whereby said element will dig and scrape dirt and force it into the bowl.

2,411,281
POULTRY FEEDER
Fred R. Long, Miamisburg, Ohio
Application February 1, 1944, Serial No. 520,653
2 Claims. (Cl. 119—53)



1. In a poultry feeder, an elongated trough including upstanding and bottom walls, a chute extending into the trough, means for mounting the chute on the trough for adjustment relative to the latter, a hopper for directing feed into the chute, and an agitator in the chute and comprising a flexible member having longitudinally spaced enlargements, a spring connecting one end of the member to one end of the chute, the other end of the member extending outwardly of an opposite end of the chute, and a pull device attached to said last named end of the member providing means for manually pulling the agitator in one direction, the spring retracting the agitator.

2,411,282
FLUID OPERATED MOTOR
Cecil A. Mann, Dayton, Ohio
Application August 5, 1943, Serial No. 497,419
30 Claims. (Cl. 121—89)

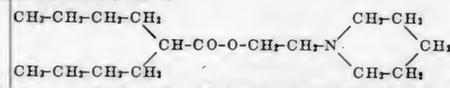


1. In a fluid displacement device, cooperating elements at least one of which is movable, said elements having surfaces conforming to sections of spheres having a common center and also having opposed surfaces in lines extending through the common center of said spheres and forming between them a work chamber of progressively varying width, and blades carried by one of said elements and extending into said work chamber.

11. In a fluid operated motor, a stationary structure and a rotatable structure, one of said structures including an annular blade carrier having a circumferential series of transverse slots each curved about an axis transverse to the axis of said rotatable structure, the slotted portions of the lateral surfaces of said blade carrier converging inwardly, curved blades mounted in the respective slots for longitudinal movement about said transverse axis, the other of said structures including opposed cam surfaces on the respective sides of said blade carrier having all opposed circumferential parts thereof converging inwardly and having running contact with the ends of said blades.

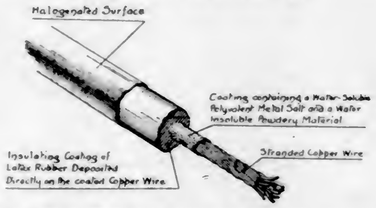
2,411,283
PIPERIDINOETHANOL ESTER OF DI-N-BUTYL ACETIC ACID
Henry Martin and Alfred Margot, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application July 14, 1944, Serial No. 545,006. In Switzerland August 4, 1943
1 Claim. (Cl. 260—294)

The piperidinoethanolester of di-n-butyl acetic acid of the formula



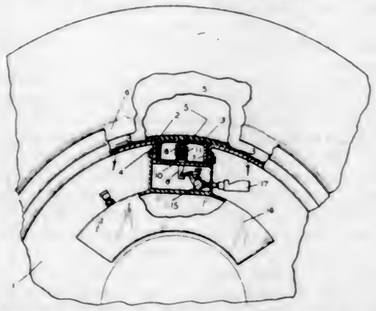
being a colorless liquid, boiling at 167°–169° C. at 11 mm., having valuable therapeutical properties.

2,411,284
NONDETERIORATING RUBBER INSULATED WIRE
Donald J. Miller, Akron, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware
Application June 29, 1943, Serial No. 492,689
2 Claims. (Cl. 117—79)



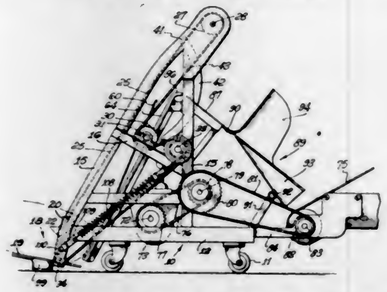
1. A freely-flexible insulated wire comprising a stranded copper wire, a coating consisting of a substantially neutral water-soluble polyvalent metal salt and a water-insoluble inert powdery material directly on the wire, and an insulating permanent coating of vulcanized rubber material directly overlying the so-coated wire, the rubber material being one normally subject to deterioration when in contact with copper, the insulated wire having the property of retaining its flexibility and insulating properties substantially unimpaired after 28 days in a Geer oven test.

2,411,285
LOW INFLATION ALARM FOR VEHICLE TIRES
Richard G. Miller, Milwaukie, Oreg.
Application November 22, 1944, Serial No. 564,653
6 Claims. (Cl. 116—34)



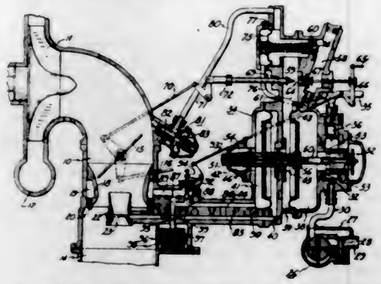
1. A low pressure alarm system for a pneumatic inner tube tire being used on a road wheel, comprising a gas reservoir carried by said wheel, a whistle mounted near said reservoir, operating connections between the reservoir and whistle, a valve in said operating connections, a member pressed against the inner tube by a spring, said member effective to open the valve and sound the whistle when the tube pressure falls to a point where it yields to the spring.

2,411,286
MERCHANDISE LOADER
John W. Mitchell and Asa Herren, Irvine, Calif.
Application December 26, 1944, Serial No. 569,712
10 Claims. (Cl. 214—100)



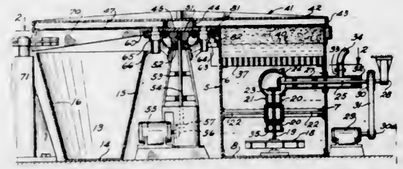
1. In a merchandise loader, the combination of: a frame; guides mounted on said frame; a lifting carriage for the load slidably mounted in said guides; hoisting mechanism on said carriage; operating means for said hoisting mechanism; clutch means operatively associated with said hoisting mechanism and said operating means; lever means pivotally mounted on said frame engageable by the load to place the clutch means in operative position; means on the frame engageable by the lifting carriage to place the clutch means in inoperative position; and yieldable means for initiating return movement of the lifting carriage to loading position and for yieldably resisting return movement of said carriage as it approaches the loading position.

2,411,287
CHARGE FORMING DEVICE
Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 29, 1941, Serial No. 424,715
11 Claims. (Cl. 261—39)



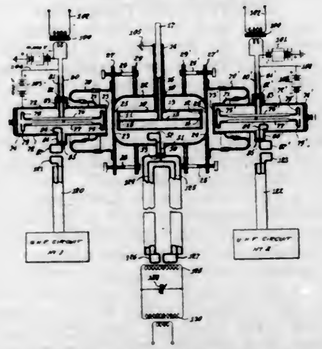
1. In a fuel feeding system for an engine, an air passage, a throttle in the air passage, Venturi means in the air passage anterior to the throttle, a main fuel regulator responsive to variations in the pressure in the Venturi means for variably controlling the fuel flow to the engine in response to variations in the air flow through said Venturi means, and an automatic mixture control comprising a chamber, having a wall movable in response to variations in absolute pressure in said chamber, a control element actuated by said movable wall and operative to control the rate of fuel delivered to the engine by the regulator to thereby control the richness of the mixture, and a passageway connecting the chamber to a low pressure zone in the Venturi means whereby the movable wall is subjected to a pressure which decreases with increase in air velocity through the Venturi means and also with an increase in altitude, said passageway having an effective cross-sectional area which remains constant with variations in the position of said control element.

2,411,288
FROTH FLOTATION WITH SIMULTANEOUS FILTRATION AND COLLECTION OF FROTH
Albert Reynolds Morse, Shaker Heights, Ohio
Application March 26, 1945, Serial No. 584,913
12 Claims. (Cl. 209—164)



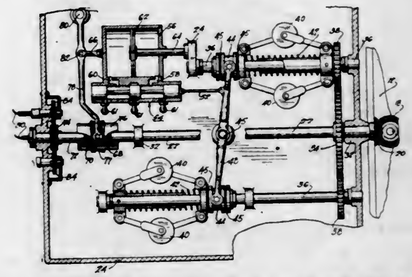
1. The method of recovering heavier than water mineral concentrates from a concentrate-containing froth produced by a flotation cell, which comprises placing a permeable filter with its lower surface in contact with the undiluted froth, applying suction to the upper side of the filter thereby causing concentrates contained in the froth to adhere to the underside of the filter, thereafter removing the filter from the froth and applying gas under pressure to the upper side of the filter to discharge the concentrates therefrom.

2,411,289
BEAT OSCILLATOR
Ilia E. Mouromtseff, Montclair, and George M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 18, 1941, Serial No. 402,958
19 Claims. (Cl. 315—38)



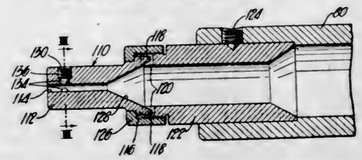
1. A discharge device including a hollow body resonator and means physically opposed to each other on opposite sides of the resonator for applying two different frequencies to said hollow body resonator.

2,411,290
MACHINE GUN SYNCHRONIZER
George W. Pontius, III, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 2, 1940, Serial No. 316,999
18 Claims. (Cl. 64—25)



18. A speed responsive device for use on a vehicle comprising a rotatable shaft, a pair of centrifugal governors driven by the shaft, a control element, and means connecting the governors to the element to operate said element, said governors and means being so arranged that inertia effects of one governor resulting from change in velocity of the vehicle tend to move the element in one direction and the inertia effects of the other governor tends to move the element in the opposite direction.

2,411,291
ADJUSTABLE DIE
Emil L. Ramstedt, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 1, 1945, Serial No. 591,391
6 Claims. (Cl. 57—138)

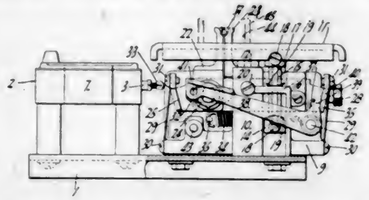


1. A rope or cable laying machine of the character described, comprising a core guide die including a holder having a plurality of holes whose axes converge to a common point, and a respective ball mounted in each hole with provision for radial adjustment, the said balls jointly defining an opening adapted to form a guide for different sizes of core strand.

2,411,292
GAUGE
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 21, 1943, Serial No. 483,878
7 Claims. (Cl. 33—178)

1. A gauge comprising an indicator, an actuator connected thereto by motion amplifying means, a pair of internal calliper fingers, one fixed and the other movable, a floating support carrying the movable finger, resilient means act-

ing through the floating support to move the actuator as permitted by the engagement of the movable finger with a workpiece, an upright post interposed between the fingers and a transversely extending centering pin projecting from the post



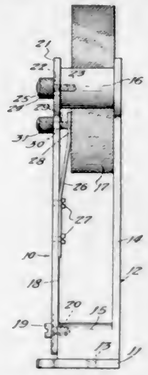
at a normal to the plane of movement of the movable finger and cooperating with both fingers to provide a three-point contact within a recess in the workpiece for centering the latter on the fingers.

2,411,293

TICKET ROLL HOLDER

William A. Roehner, Chicago, Ill., assignor to Wenzel Projector Company, Chicago, Ill., a corporation of Illinois

Application December 18, 1944, Serial No. 568,614
1 Claim. (Cl. 242—55.2)



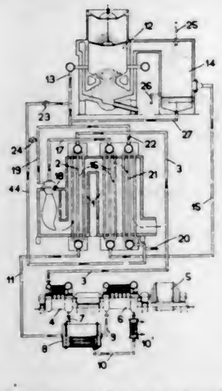
A ticket roll holder comprising a supporting structure including a base to be attached to a supporting surface, a fixed substantially flat ticket roll support extending upwardly from the base, a laterally projecting hub for the ticket roll carried by the upper end of the said support, a substantially flat retaining bar extending upwardly from the base and normally in spaced parallel relationship and vertical alignment with the ticket roll support, the said hub being disposed between the upper ends of the fixed support and the retaining bar, the said bar being pivoted on a horizontal axis to the base at its lower end and having an open slot adjacent its upper end for reception of means therein for detachably securing the upper end of the bar to the roll hub, a resilient braking member attached to the inner side of the retaining bar and having a portion thereof adapted for engagement with one lateral face of the ticket roll, adjustable means carried by the retaining bar for engagement with the braking member whereby friction may be imparted to the roll, and the detachable securing means, when released, allowing the slotted end of the bar to be moved laterally about its pivot to one side of and out of vertical alignment and parallelism with respect to the said roll support so that a roll of tickets can be placed on the roll support.

2,411,294

THERMAL POWER PLANT

Rudolf Ruegg, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland

Application August 28, 1944, Serial No. 551,610
In Switzerland July 17, 1943
7 Claims. (Cl. 158—1)



1. The combination of a gas producer having an air inlet connection; means forming a furnace chamber and a passage for leading products of combustion from said chamber; a main heat exchanger of the surface type in said chamber, said exchanger having inlet and discharge connections for passing therethrough a gaseous medium which is to be heated; a burner arranged to deliver heat to said main exchanger, said burner having an inlet connection for combustible gas and an inlet connection for combustion air; two surface heat exchangers in said passage; tubular means for conducting gas from the producer to one of said two exchangers and thence to the gas connection of the burner; and tubular means for conducting combustion air to the other of said two exchangers and thence to the air inlet connections of said burner and producer.

2,411,295

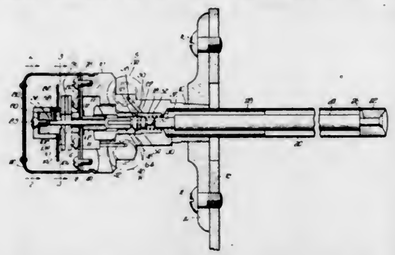
CONTROL MECHANISM

Erwin Saballus and Carl W. Fischer, Chicago, Ill., assignors to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois

Application January 5, 1944, Serial No. 517,026
13 Claims. (Cl. 236—87)

5. In a thermostat, the combination of a base mounting having a diaphragm chamber and a supply chamber spaced from and communicating with said diaphragm chamber, said mounting having a supply passage to said supply chamber and a control passage to said diaphragm chamber, a supply valve for controlling supply from said supply chamber to said diaphragm chamber, resilient means for urging said valve to closed position, a diaphragm closing said diaphragm chamber, an exhaust valve seat member communicating with said diaphragm chamber and atmosphere, said exhaust valve seat member having an exhaust valve seat, an exhaust valve for said exhaust valve seat for controlling exhaust

from said diaphragm chamber to atmosphere, control means for controlling operation of said diaphragm and exhaust valve, said control means including a temperature sensitive expansible member secured to said base mounting, a non-expansible member movable by the expansible member, means of selective and variable resist-



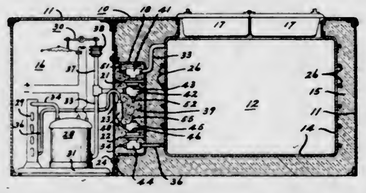
ance for resisting expansion of said expansible member, and means carried by said non-expansible member adjustable and operative in alignment with said non-expansible member and said valves to vary the compression between said last named means and said means of variable resistance for varying the sensitivity of said thermostat.

2,411,296

REFRIGERATING APPARATUS

Sylvester M. Schweller, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application July 30, 1943, Serial No. 496,718
2 Claims. (Cl. 62—116)



1. A refrigerating apparatus comprising in combination, a cabinet having a chamber therein to be cooled, a closed refrigerating system associated with said apparatus, said refrigerating system including an evaporator fixed within said cabinet for cooling said chamber, a refrigerant liquefying and circulating unit connected by conduits with said evaporator and means for controlling the flow of refrigerant from said unit to said evaporator, means interposed in said conduits for closing off each conduit at two adjacent points and for permitting separation of said unit from said evaporator intermediate said points, said unit being removable from said apparatus when said separation is effected, and said first named means being interposed in one of said conduits between said unit and said last named means and being removable along with said unit from said apparatus.

2,411,297

HELICOPTER

Alex Serna, Dearborn, Mich.

Application January 27, 1944, Serial No. 519,835
13 Claims. (Cl. 244—7)

1. In combination with an aircraft having wing sections and a propeller for horizontal flight, a vertical lifting propeller mounted adjacent the end of each wing section, means for rocking said vertical lifting propellers transversely of their axes from an operative position to a position of rest so that a portion of each lifting propeller



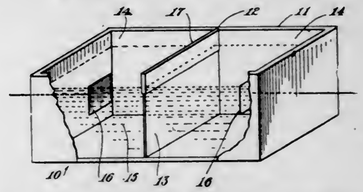
will be received in a recess in its corresponding wing section with the remaining portion thereof extending beyond the wing section, and means for rotating said propellers in reverse directions when in said operative position.

2,411,298

PIEZOELECTRIC CRYSTAL

Sidney X. Shore, New York, N. Y., assignor to North American Philips Company, Inc., Dobbs Ferry, N. Y.

Application February 12, 1945, Serial No. 577,485
6 Claims. (Cl. 171—327)



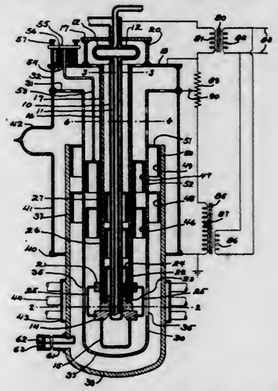
1. In the manufacture of piezo-electric elements the steps comprising immersing a crystal element in an etching solution and etching the surface of the element so immersed while simultaneously vibrating the element and agitating said solution at a supersonic frequency.

2,411,299

HIGH-FREQUENCY TRIODE OSCILLATOR

David H. Sloan, Berkeley, Calif., assignor to Research Corporation, New York, N. Y., a corporation of New York

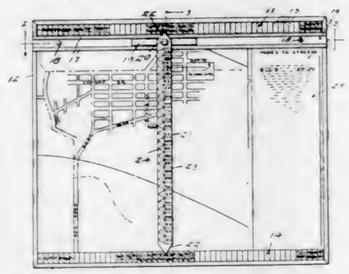
Application November 12, 1941, Serial No. 418,669
36 Claims. (Cl. 250—36)



36. An electron discharge device comprising three substantially parallel disposed walls forming a pair of resonators having a common wall,

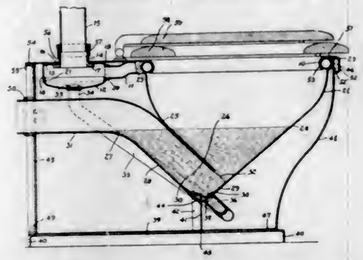
said common wall having an opening therein, and an electron emitting surface positioned in one of said resonators opposite said opening, said opening and said emitting surface being positioned to straddle a voltage loop between the ends of said resonators.

2,411,300
MAP AND LOCATION FINDING MEANS THEREFOR
Charles R. Southwell, San Antonio, Tex.
Application August 8, 1944, Serial No. 548,602
3 Claims. (Cl. 35—40)



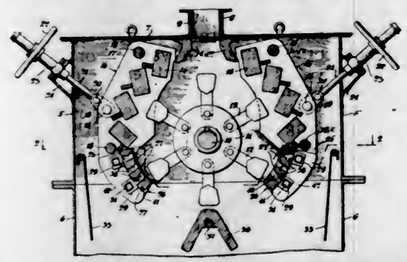
1. In means for isolating locations on maps, charts or the like, and in combination, a map, chart or the like bearing a succession of indications arranged with uniform spacing extending lengthwise of and within each of two opposite parallel zones generally marginal with respect to the field of the map or chart and with at least one of the zones spaced from the field, similar indications of the two zones being alined perpendicular to the direction of length of each of such successions; and a locater instrumentality positioned in overlying relation to the map or chart, said instrumentality including a frame surrounding the map or chart, a way supported by the frame and extending parallel to said map or chart successions and overlying the space between said field and the adjacent succession, a traveller mounted for movement lengthwise of the way, and an indication-carrying member supported by and movable with the traveller and normally extending substantially perpendicular to the direction of length of such way, said member having its opposite ends of angular shape to provide an apex and having a length such as to locate the apices in immediate proximity to the respective indication successions of the map or chart to permit accurate positioning of the member relative to predetermined individual indications, said member also having a defining edge and carrying a succession of uniformly-spaced indications with each of the latter having a directing indication of triangular shape having an apex at such edge, the succession of indications of the member differing in type from those of the map or chart; said means also including a tabulation of locations of the map or chart with each location carrying an identifying indication formed of specific indications of the map or chart and the member indication succession, a portion of the specific indication presenting the position of the angular ends of the member relative to the map or chart successions when the defining edge of the member is located in the immediate vicinity of the specific location with the remainder of the specific indication presenting the member succession indication in the immediate vicinity of the specfic location as indicated by its individual direction indication.

2,411,301
METHOD OF MAKING PRESSED METAL WATER CLOSETS
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application April 8, 1944, Serial No. 530,094
3 Claims. (Cl. 113—116)



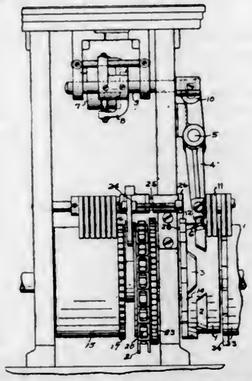
1. The method of making a pressed metal water closet which comprises forming stainless steel stampings forming a perforated spray ring, a receiving header and a tube connection therefor, press fitting said stampings together brazing them together in a unit, forming a sheet metal bowl stamping with an opening at its lower end and a sheet metal ejection tube, then welding the ejection tube to the bowl at said opening, forming a tubular jet connection for connecting the receiving header and the ejection tube, forming a supporting and trim plate stamping, a back plate stamping, a seat finishing top piece stamping, a base stamping and a support stamping, then assembling said spray ring and header unit at the upper edge of the bowl, placing said seat finishing top piece upon said spray ring and header unit, press fitting the ends of the tubular jet connection with the receiving header and the lower end of the ejection tube, assembling said supporting and trim plate and back plate to the seat finishing top piece and the base, assembling the support stamping to the ejection tube and base, and then brazing all of these parts together into a unitary structure using a lower melting point solder than in the first brazing operation.

2,411,302
IMPACTOR
James E. Stine, Aldan, and George W. Borton, Philadelphia, Pa., assignors to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Application May 30, 1942, Serial No. 445,116
1 Claim. (Cl. 241—86)



In a crusher having a rotor carrying beaters in a casing with an upper entrance opening and a discharge opening opposite and below said entrance opening, the combination with upper breaker surfaces around the entrance opening, of a series of spaced rectangular impact members extending in an arc from said upper breaker surfaces to the level of the axis of the beater and having their relatively long flat inner surfaces in planes inclined forward at an acute angle with the beater circle and adapted to cooperate with said beaters to fracture the material by impact back and forth between the beaters and said members, an impact block frame carrying said impact blocks and pivoted at its upper end and adjustable to vary the distance of the frame from the beater circle of the rotor around the pivot at said upper end of the frame, and a group of relatively small closely spaced bars following said impact blocks and mounted on said frame and having side surfaces nearly radial to the axis of the beater circle and extending from said impact members in a short arc leaving a following ample discharging opening of larger area than said entrance opening and terminating within 180° of the center of said entrance opening, so that there is extended impact fracture followed by a relatively short screen fracture and said stages of reduction and the discharge are compactly attained within 180°.

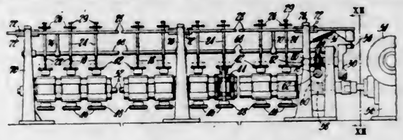
2,411,303
CLUTCH AND PATTERN DRUM MECHANISM
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Providence County, R. I., a corporation of Massachusetts
Application June 23, 1945, Serial No. 601,296
10 Claims. (Cl. 66—155)



1. A mechanism for a knitting machine which consists of a plurality of drums capable of independent step by step rotation, means for independently rotating one of said drums through a given angle per step, means for independently rotating another of said drums through a smaller angle per step and common means for controlling both of said rotating means so that one, both or neither of said drums is rotated as described above.

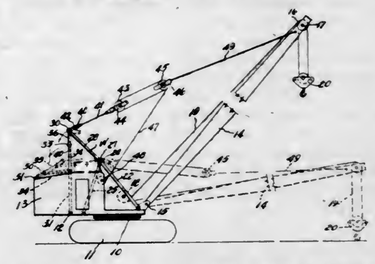
2,411,304
METHOD AND APPARATUS FOR LAPPING DIES
Daniel D. Symmes, West Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application March 6, 1945, Serial No. 581,197
6 Claims. (Cl. 51—58)

1. In a machine for lapping drawing dies, a support adapted to carry a die having a perforation to be lapped to a predetermined contour as viewed in longitudinal section, a lapping needle whose end is adapted to project through the die perforation, means for effecting relative rotation between the support and the lapping needle, means for causing the lapping needle to dwell for a determined time interval at a predetermined angle to the longitudinal axis of the perforation



in the die and then to move to a position coincident with said axis and dwell in said coincident position for a determined time interval whereby the perforation in the die is contoured by the action of said needle to conform to two straight-walled outwardly flaring frusto-conical entrance and exit portions separated by an intermediate straight-walled substantially cylindrical bearing portion.

2,411,305
FOLDABLE A-FRAME FOR EXCAVATING MACHINES
Ernest W. Taylor and Peter Nielsen, Bay City, Mich., assignors to Industrial Brownhoist Corporation, Bay City, Mich.
Application August 25, 1944, Serial No. 551,174
3 Claims. (Cl. 212—59)

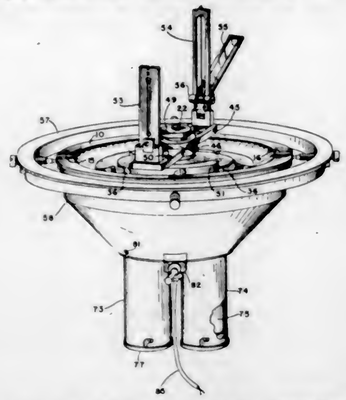


1. In a crane of the class described, in combination, a crane body, a boom pivoted thereto for raising and lowering movement, hoist means for raising and lowering said boom, an A-frame structure mounted on the body and cooperating with said hoist means and comprising a stationary, low arch section and an upper high arch section, tension members on the body, links pivotally connecting said upper section and the tension members respectively, the links being pivotally connected at their inner end portions, with one end of one link overlapping the other, quickly removable means for securing the free overlapping end of the one link to the companion link to provide a rigid structure, said means permitting folding of the high arch section when removed, and manually operable means connected to said links and to the crane body to prevent a snapping action when the high arch section is raised.

2,411,306
PELORUS
William H. Van Gaasbeek, Short Hills, N. J.
Application January 20, 1944, Serial No. 519,011
10 Claims. (Cl. 240—2.1)

1. A pelorus comprising a frame, having an annular marginal portion, a central hub portion, intermediate portions between the marginal and the hub portion to constitute light passage open-

ings in said frame, and a threaded stem portion extending upwardly from said hub portion, a substantially non-transparent dial member having light passage openings overlying the light passage openings in said frame, and also having an upwardly extending outwardly threaded hollow central stem portion surrounding said inner stem portion, a light-conducting member overlying the light passage openings in said dial and having at its upper side an inverted conical light-deflecting face, light-shielding means overlying said light-



conducting member, an alidade overlying said shielding means and rotatable about said threaded hollow stem portion, a lower nut on said hollow stem portion for fixing the alidade relative to said dial member, an upper nut on said inner stem portion for fixing said dial relative to said frame and a light source disposed underneath said dial from which light passing through said light passage openings and through said light-conducting member is adapted to indirectly light said dial by way of outward horizontal deflection from said inverted conical face.

2,411,307

STABILIZED AROMATIC AMINES

Ernest L. Walters, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 15, 1943, Serial No. 502,707

8 Claims. (Cl. 260—578)

1. An aromatic hydrocarbon amine of improved stability containing finely distributed 2,4-dimethyl-6-tertiary butyl phenol in amounts of .01 to 1% calculated on the amine.

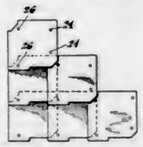
2,411,308

SURFACE COVERING MATERIAL

Frank Washburn, Battle Ground, Ind.

Application January 20, 1945, Serial No. 573,704

8 Claims. (Cl. 108—8)



5. An octagonal shingle comprising an upper edge, a side edge at right angles thereto, a bottom inwardly stepped edge, a sloping edge joining said side edge with said bottom stepped edge, a second side edge at right angles to said bottom stepped edge, and a second sloping edge intermediate said second side edge and said upper edge, said second sloping edge being parallel with and diagonally opposite to said first sloping edge.

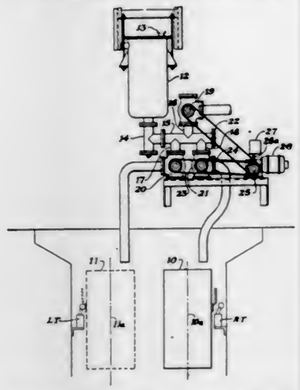
2,411,309

LIQUID MEASURING AND DELIVERY MEANS

Arthur J. Whitcomb and Gordon Fox, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine

Application January 25, 1941, Serial No. 375,910

17 Claims. (Cl. 226—107)



1. In combination, a pair of receptacles each having its own independent course of travel, each alternately movable into and out of its respective loading position, a reservoir, a valve cooperating with said reservoir for admitting liquid to said reservoir and other valves for discharging liquid from said reservoir selectably to said receptacles when said receptacles are in charging positions, an electrode in said reservoir adapted to be contacted when said reservoir is filled with liquid to a predetermined maximum amount, electrode means in said reservoir selectably responsive to lower levels of liquid in said reservoir, an electric circuit adapted to be completed when said first-mentioned electrode is contacted by said liquid, means comprising a holding circuit for said first-mentioned electric circuit when said liquid in said reservoir falls below the level of said electrode but is still in cooperative relationship with said electrode means, and motive means for operating said valves, said motive means being responsive to said electrode and electrode means and to the positions of said receptacles and to the positions of said valves.

2,411,310

LENS CLEANING DISPENSER CABINET

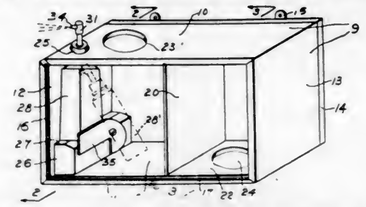
Ralph R. Wilkins, Cortland, N. Y.

Application May 18, 1943, Serial No. 487,525

3 Claims. (Cl. 206—47)

1. A chambered dispenser cabinet for lens cleaning purposes and which cabinet includes a pair of laterally spaced walls of which one such wall has a pilot hole therethrough, yieldably mounted diaphragm means bridging said hole, an elongated liquid container including a closable neck end superimposed upon the resilient diaphragm means, a closure agency for said neck and which agency carries nozzle means delivering exteriorly beyond said hole, and manipula-

tive tappet means serving to instigate liquid delivery, said tappet means being entered



through the other wall into operative engagement with the opposed container end region.

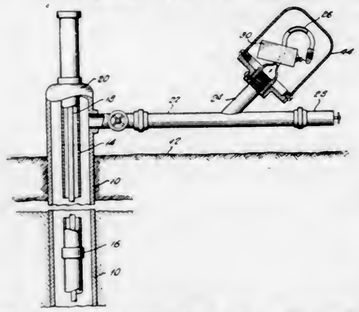
2,411,311

WELL SOUNDING APPARATUS

Alexander Wolf and Laurence G. Cowles, Houston, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application August 22, 1944, Serial No. 550,662

3 Claims. (Cl. 177—352)



1. The combination with a well casing, of means for receiving and recording pressure impulses from the well comprising a plurality of Bourdon tubes mounted upon a common support with their open ends in communication with the well and oppositely disposed upon said support to reduce vibrationally induced voltages, means connecting the closed ends of each of said Bourdon tubes with a pressure-sensitive pickup device to actuate said device in response to changes in the curvature of said tubes resulting from changes in pressure therein, means for balancing the amplitudes of the voltages emanating from said pickup devices to overcome differences in the sensitivity of said devices, and a recording device operatively connected to said balancing means for recording impulses transmitted to it from said well by said pickup devices.

2,411,312

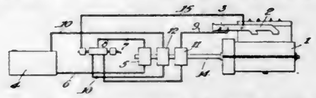
FUEL DELIVERY SYSTEM FOR INTERNAL-COMBUSTION ENGINES

William A. Yonkers, Northfield Township, Cook County, Ill.

Application January 20, 1943, Serial No. 472,974

3 Claims. (Cl. 158—36.4)

3. In a fuel delivery system for an internal combustion engine provided with an intake through which the fuel and a medium to supply oxygen needed for combustion enter, and wherein there is an engine driven pump having its inlet connected to a fuel source and its outlet connected to a conduit, which conduit in turn is connected to two branch conduits so that the said pump discharges fuel into said branch conduits in positively driven streams at a rate determined by the engine speed, and only one of which branch conduit is connected to said intake: valve means including two valves one of which is located in one of said branch conduits for controlling the flow of fuel therethrough, while the other



is located in the other of said branch conduits for controlling the flow of fuel therethrough; and a pump located in each of the branch conduits beyond the valves for positively moving fuel through the branch conduits and preventing back flow.

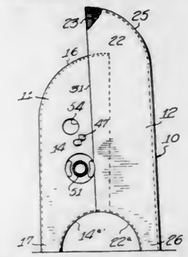
2,411,313

HEATER

George W. Zimbelman and John Cherry, Signal Mountain, Tenn., assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn., a corporation of Tennessee

Application December 8, 1944, Serial No. 567,215

4 Claims. (Cl. 126—85)



1. A heater having a hollow body portion, said portion comprising a pair of sheet metal sections one of which is of less height and width than the other section, the smaller of said sections including a front wall, parallel side walls and an open rear portion, said front wall terminating in a rearwardly curved baffle portion, the larger of said sections including a rear wall, parallel side walls and an open front portion, said last mentioned rear wall terminating in a forwardly curved baffle portion, an open rear portion of the smaller section being telescopically positioned within the open front portion of the larger section, said sections being united to each other and having a burner mounted therewithin.

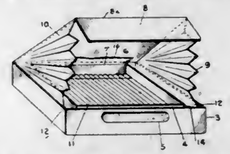
2,411,314

MATCH HOLDER AND WINDSHIELD

Arpinée E. Andon, Pelham, N. Y.

Application October 27, 1944, Serial No. 560,614

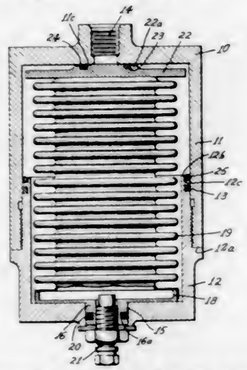
1 Claim. (Cl. 206—35)



In a match holder, the combination of an open top match container within said holder, two side pockets and a front pocket in said match holder at the side and front walls of the container, respectively, a windshield hingedly secured to the back edge of said container, two foldable fan-like

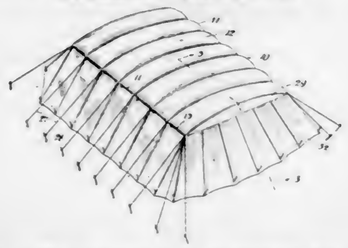
sides each having one end fastened in one of said side pockets and the opposite ends being secured to said windshield, a turned down flap secured to the front edge of said windshield adapted to pocket in said front container pocket, a protective cover member for said container hingedly mounted under said windshield to the back edge of said container and match striking means on said container.

2,411,315
METAL BELLOWS ACCUMULATOR
Benjamin N. Ashton, Kingston, N. Y., assignor to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware
Application October 27, 1944, Serial No. 560,702
5 Claims. (Cl. 138—31)



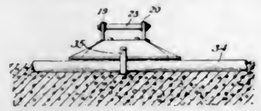
1. An accumulator for hydraulic systems comprising a hollow, tubular cylinder having closure members at its opposite ends, means in one of said closure members for connecting said cylinder to a hydraulic system, an expansible and compressible metallic bellows having one end secured to the other closure member and having a free end expansible toward said one of said closure members, means for introducing a gas into the interior of said bellows, a valve seat member in said cylinder disposed outwardly of said bellows, and a valve member on said free end of said bellows engageable with said valve seat member upon compression of said bellows to trap hydraulic fluid between said cylinder and said bellows and prevent collapse of said bellows.

2,411,316
AIRPLANE HANGAR
Emil R. Capita, North Bergen, N. J.
Application August 17, 1944, Serial No. 549,917
16 Claims. (Cl. 135—1)



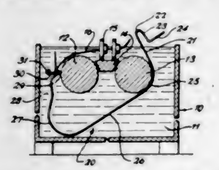
1. A roof including cells inflatable with buoyant gas, and releasable means for uniting said cells along their edges to form a continuous roof.

2,411,317
PNEUMATIC HAND TROWEL
William P. Day, Cleveland Heights, John J. Day, Shaker Heights, William P. Day, Jr., Cleveland Heights, and Vincent E. Heglaw, East Cleveland, Ohio
Application July 13, 1944, Serial No. 544,659
3 Claims. (Cl. 94—48)



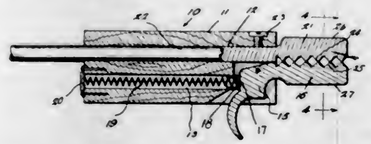
1. A tool for applying a thin layer of concrete to an underlying layer and having a face adapted for troweling, comprising a body having side walls and a bottom wall, vibrating mechanism mounted in the body of the tool for imparting vibrations thereto, a member having a portion formed to extend across the outside of said bottom wall and portions extending up along the opposite sides of said body, said member including a portion extending laterally from said first-named portion for applying a concrete mix to an underlying surface, and means for removably securing said member to said body.

2,411,318
WIRE HOOK
Ignazio Del Bagno, Belleville, N. J., assignor of fifty per cent to Mary Del Bagno, Belleville, N. J.
Application September 12, 1945, Serial No. 615,739
3 Claims. (Cl. 294—26)



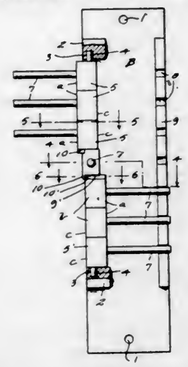
1. A wire hook comprised of a single piece including a handle, a portion at right angles to the handle, a 180° bend terminating in a portion parallel to said first-mentioned portion, an extending portion, an angularly disposed portion extending upwardly and inwardly with respect to said extending portion, and a wire clamping portion adjacent the extremity of said angularly disposed portion.

2,411,319
SAFETY TONGS
Joseph Rudolph Duarte, Honolulu, Territory of Hawaii
Application September 7, 1945, Serial No. 614,894
1 Claim. (Cl. 294—104)



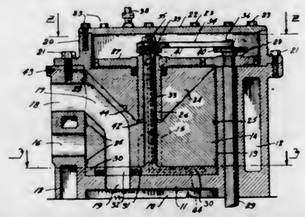
A pair of tongs comprising a slidable jaw, a pivoted jaw, an insulator handle for the jaws, said handle having a bore through which the first jaw operates, said pivoted jaw being spring actuated and manually controlled, said pivoted jaw having a trigger depending from the handle for said manual control, and a longitudinal bore in the handle in which the spring is seated.

2,411,320
TIE RACK
Albert Dunn and Odus C. Eiland, Mount Rainier, Md.
Application July 9, 1943, Serial No. 494,056
5 Claims. (Cl. 211—100)



2. A tie rack, comprising a plurality of bodies disposed in a series one above the other, means joining the bodies for independent turning on a common axis extending lengthwise of the series, means supporting the series of bodies, a hanger bar attached to each body, the bars having a tie storing position in which they are all arranged in parallel superposed relation, and an element carried by each of the bodies of the series above the lowermost one of the bodies in a position to engage successively two adjacent faces of the underlying body when any one of the bodies lying above the lowermost one thereof is turned from its storing position to effect the turning of the said one body and the overlying bodies as a unit and to further effect the turning of the body lying below the said one body to an extent approximating half the extent of circular movement of the said one body and the bodies lying thereabove.

2,411,321
QUICK OPENING ROTARY VALVE
Charles W. Hall, Denver, Colo., assignor to Malcolm S. Losey, Denver, Colo.
Application April 30, 1945, Serial No. 591,089
4 Claims. (Cl. 123—190)

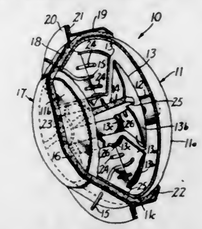


1. The combination with a rotary valve having a gas passage which periodically aligns with a cylinder port, means for creating a more rapid opening between the passage and the port comprising an oscillating member positioned therebetween, said oscillating member having an opening communicating between said passage and said port and means for oscillating said member to cause the latter opening to move over and open said passage more rapidly than the movement of said passage over said port.

2,411,322
SLASHER SIZING COMPOSITION AND YARNS SIZED THEREWITH
Vernal Richard Hardy, Wilmington, and Walter Richard Haefele, Bridgeville, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 27, 1943, Serial No. 488,774
10 Claims. (Cl. 260—42)

1. A slasher sizing composition for water-insensitive yarns composed of a linear polyamide comprising the reaction product of a linear polymer-forming composition which comprises in substantial amount reacting material selected from at least one of the groups consisting of (*a*) monoamino-monocarboxylic acids and (*b*) mixtures of diamine with dibasic carboxylic acid, said sizing composition comprising a hydroxylated polyvinyl resin and a water-soluble condensation product of N-beta hydroxyethyl urea with formaldehyde, the proportions of the hydroxylated polyvinyl resin and the condensation product being within the limits of 25:75 and 75:25, said polyvinyl resin having 1% to 50% of the carbon atoms in the polyvinyl chain attached to hydroxyl groups, the size resulting from said composition being readily removable in an aqueous boil-off bath.

2,411,323
LIGHT SENSITIVE DEVICE
Curtis Hillyer, Jr., and Henry Blackstone, Richmond Hill, N. Y.
Original application September 7, 1940, Serial No. 355,708. Divided and this application March 6, 1941, Serial No. 381,950
10 Claims. (Cl. 250—165)

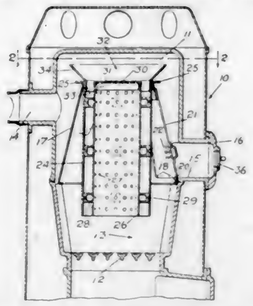


1. A phototube comprising, a glass envelope, a rigid anode mounted within said envelope and bearing at its ends against the envelope walls to support them against collapse, a photocathode, and means mounting said cathode in said envelope adjacent said anode, said cathode having a flat top of substantial area lying in a plane passing through the axis of said anode.

2,411,324
BURNER DEVICE FOR FURNACES
Charles L. Gagnon, Green Bay, Wis.
Application October 2, 1944, Serial No. 556,821
5 Claims. (Cl. 126—83)

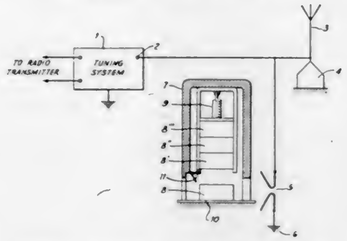
4. A unit for installation in a furnace structure comprising a hollow truncated conical body open at its ends, a cylindrical unit of greater length

than said body and comprising spaced inner and outer cylinders, the outer cylinder being imperforate and the inner cylinder being perforated, the outer cylinder having a flanged end engaging



over the edge of the smaller end of the body, and a circular upwardly and outwardly flaring deflector connected with the flanged end of the imperforate cylinder.

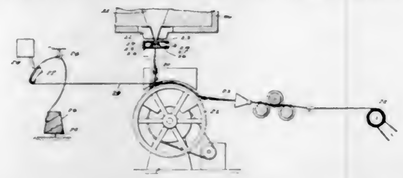
2,411,325
CONTROL OF ELECTRICAL ARCS
Henderson C. Gillespie, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 9, 1943, Serial No. 494,049
6 Claims. (Cl. 315—111)



6. A system for rapidly extinguishing an electrical discharge arc comprising an open gap located at a point where said discharge arc will occur, a magazine containing a plurality of shells each containing explosive charges, said magazine being located adjacent said open gap and having a plurality of apertures in line with said gap, means to retain one of said shells in a position near said gap whereby an electrical discharge arc will pass through the apertures in said gap and cause the explosive charge to be set off and rapidly extinguish the electrical arc, and means to replace another one of said shells containing an explosive charge in a position to extinguish a future arc after a slight time delay of a preceding discharge.

2,411,326
MAKING REINFORCED SLIVERS
James R. McMillin and Stanley H. Lake, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application November 27, 1942, Serial No. 467,278
7 Claims. (Cl. 19—145)

7. The method which comprises winding a continuous strand of thermoplastic resinous material, causing the strand to pass across the periphery of a rotatable member in the direction of its rotation during the winding operation, simultaneously forming and depositing a glass fiber web in which the fibers are haphazardly arranged and interlaced with each other on the periphery of

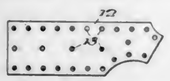


the rotatable member about the strand, and pulling said web and strand together from the periphery of the rotatable member at a rate sufficiently higher than the rate of movement of the periphery to draw the fibers of the mat into substantial parallelism with the strand.

2,411,327
METHOD OF ELECTROPLATING AND TREATING CUTTING EDGE TOOLS AND THE LIKE
Axel E. Lundbye, Springfield, Ohio, assignor to Crowell-Collier Publishing Company, Springfield, Ohio, a corporation of Delaware
No Drawing. Application March 20, 1944, Serial No. 527,350
7 Claims. (Cl. 204—23)

3. A method of plating and treating steel metal-cutting tools comprising at least partially immersing a steel tool formed of tool steel in an electroplating bath containing chromium trioxide and sulphate, electrodepositing chromium on said tool at a current density between about 0.7 and 3.5 amperes per square inch for a period of about 1 to 2 minutes to produce a chromium plate not exceeding 0.0001 inch in thickness, making the tool an anode in said bath for a few seconds, removing the tool from the bath, heating it in hot oil and cooling the tool.

2,411,328
DRESSMAKER'S PATTERN
Marian W. MacNab, Chevy Chase, Md.
Application May 13, 1942, Serial No. 442,812
8 Claims. (Cl. 33—12)

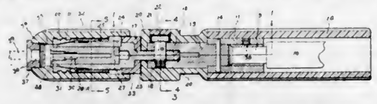


4. As a marketable commodity, the combination of a dressmaker's pattern formed of thin tissue-like paper and non-drying pressure sensitive adhesive means secured to said tissue-like paper pattern at localities where pins are normally used, at least portions of said adhesive being exposed and operative to removably and repeatedly secure the pattern to fabric dress material.

2,411,329
HOLDER FOR WELDING RODS
Charles Mankouski, Portland, Oreg.
Application June 19, 1944, Serial No. 541,044
1 Claim. (Cl. 219—8)

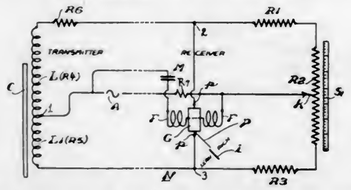
In a device of the class described, a combination of a metallic hinged element having an

electrical conductor attached to one end thereof and having a quill chuck mounted on the opposite end thereof, said quill chuck having a threaded exterior, a spring collet mounted within said chuck having a stepped rod receiving opening, a conical closer for said collet adapted to engage



the end of said chuck, a hand grip attached to said chuck closer, a cap for the hinged end of said chuck telescopically disposed with relation to said hand grip, and insulating means whereby the entire metallic portions of the device are shielded.

2,411,330
MEASURING SYSTEM
William Melas, Philadelphia, and Joseph Razek, Llanerch, Pa., assignors, by mesne assignments, to HSB Corporation, a corporation of Pennsylvania
Application March 23, 1944, Serial No. 527,786
13 Claims. (Cl. 73—209)



1. A measuring system comprising a network, inductance coils of different lengths connected, respectively, in different arms of the network, core structure movable with respect to said coils in response to changes in magnitude of a condition, a source of alternating current in a conjugate conductor of the network, means connected in another conjugate conductor of the network for indicating balance thereof, impedances connected respectively in different further arms of the network, contact structure engaging said impedances for adjusting the relative magnitudes thereof for balancing the network, a scale which is non-uniform in dependence upon the difference between the lengths of said coils, and an index movable with said impedance-adjusting contact structure and with respect to said scale for evaluating the magnitudes of said condition.

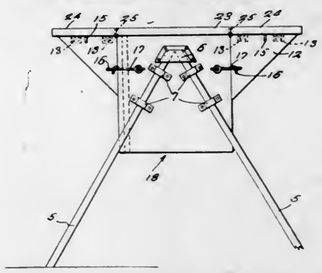
13. A system for determining rate of flow of a fluid comprising a network, inductance coils of different lengths connected, respectively, in different arms of the network, means responding to change in the rate of flow of a fluid by movement of extent proportional to said change, core structure moved with respect to said coils in accord with the movement of said means, a source of alternating current in a conjugate conductor of the network, means connected in another conjugate conductor of the network for indicating balance thereof, impedances connected respectively in different further arms of the network, manually operable contact structure engaging said impedances for adjusting the relative magnitudes thereof for controlling balance of the network, a scale, representative of the magnitudes of rate of flow, which is non-uniform in dependence upon the difference between the lengths of said coils, and an index moved in unison with said contact structure and relatively to said scale for evaluating the magnitudes of said condition.

2,411,331
BABY HOLDER AND CARRIER
Neil Nettleship, San Diego, Calif.
Application September 27, 1943, Serial No. 504,032
5 Claims. (Cl. 224—6)



1. In a baby carrier and holder of the class described, the combination of a pair of straps buckled together arranged to be looped over the shoulder of a person, a baby body surrounding member provided with leg openings at one end and a hood-like member at its opposite end, one of said straps secured to the hood-like member at one end and the other secured to said body surrounding member at its opposite end between the leg openings.

2,411,332
PORTABLE CABINET-TABLE
Carl S. Orchard, Janesville, Calif.
Application May 12, 1943, Serial No. 486,708
2 Claims. (Cl. 190—12)

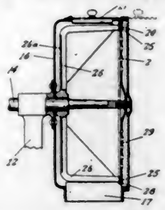


1. A table comprising a box, leaves hingedly mounted on the box for swinging movement about a horizontal axis, triangular solid braces hingedly mounted on the leaves and engageable with the box for supporting said leaves in raised position, eyes on the leaves, eyes on the braces, and hooks on the box engageable selectively in the first-named eyes for securing the leaves in lowered position and in the second-named eyes for securing the braces in operative position.

2,411,333
MACHINE FOR SHREDDING, GRATING, AND/OR SLICING FOODSTUFFS
Louis Orland, Los Angeles, Calif.
Application June 15, 1943, Serial No. 490,852
2 Claims. (Cl. 146—177)

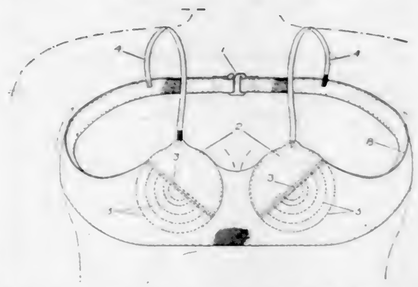
2. In a food comminuting machine, a housing having top and bottom openings, a horizontal rotatable shaft journalled in the center of the housing, a one-piece spider mounted on the shaft and substantially filling the housing, said spider comprising a vertical rear disc, a vertical front ring, horizontal arms connecting the periphery of the disc and radially extending triangular agi-

tator plates on the arms between the rear disc and the front ring, a comminuting disc removably mounted on the front ring provided with apertures having sharp front edges, and means



for feeding material through the disc openings and into the path of travel of the triangular agitator plates, said bottom opening constituting a discharge for material received from the agitator plates.

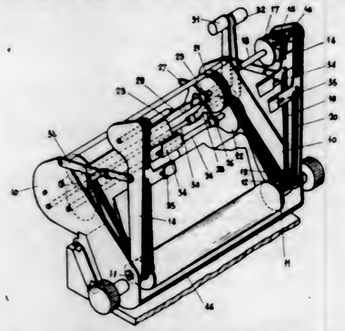
2,411,334
BRASSIÈRE
Delores Palmer, Memphis, Tenn.
Application August 4, 1944, Serial No. 547,999
2 Claims. (Cl. 2—42)



1. A brassière comprising a band of material formed to provide circular bust pockets, each of said bust pockets having an upper semi-circular portion defined on its lower side by a diametrical line of reinforcing passing through the center of the pocket, said diametrical reinforcing lines converging downwardly, and concentric semi-circular reinforcing lines of stitching upon the lower outer side of each line of reinforcing, the arcs of said semi-circular lines of stitching being struck from the center of the pocket concentric with the semi-circular upper portion of the pocket.

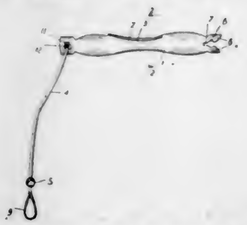
2,411,335
DEVICE FOR MANIPULATING ACCOUNT FORMS IN ROTARY OFFICE MACHINES
Giuseppe Prezioso, Yverdon, Switzerland, assignor to E. Paillard et Cie S. A., a corporation of Switzerland.
Application March 13, 1945, Serial No. 582,441
In Switzerland May 24, 1944
9 Claims. (Cl. 197—128)

1. A device for manipulating sheets of account forms in a rotary office machine in which at least one sheet of paper is carried by the platen of the machine and the others by crossbars operated by tapes and held in a position always parallel to the axis of the platen, in which the tapes carrying the crossbars by their ends are connected at one end to a tensioning drum which is subjected to the action of a spring, and at the other end to a manipulating drum which is subjected to the action of an escapement device, the crossbars being adapted for holding the sheets by



their upper edge, and a guide passing under the members holding the sheet carried by the platen being provided, to guide freely the lower ends of the sheets carried by the crossbars.

2,411,336
HAIR CURLER
Adolph Reiter, New York, N. Y.
Application April 7, 1944, Serial No. 530,011
1 Claim. (Cl. 132—42)

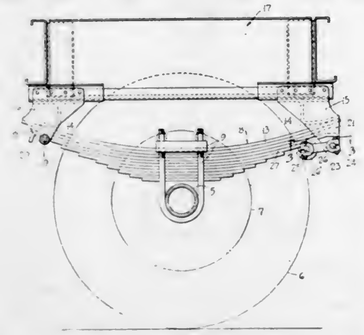


A curler comprising an elongated base member of circular cross section, a curved-in peripheral indentation in the center portion of said base member extending approximately through one third of the length of the base, the two ends of said base adjacent to said indentation being shaped to form outwardly curved bulges, a tongue having the same curved-in shape as said indentation freely projecting over the same in parallel relationship thereto, said tongue being at the one end integrally united with said base, a saddle shaped slot between said tongue and said base for the introduction of the hair strands, a curl securing cord fastened to one end of said base and a recessed seat at the other end for the reception of said cord.

2,411,337
SPRING SUSPENSION
Edmund T. Ridgway, Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 8, 1943, Serial No. 509,381
2 Claims. (Cl. 267—44)

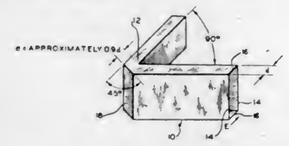
1. In a spring suspension for a vehicle: a first member; a second member; a half-elliptical leaf spring secured near its middle to said second member with its concave side facing said first member; means for transmitting exclusively loads vertically to the plane of the ends of the spring between the latter and said first member;

a shackle connected swingably about axes extending parallel to the plane of the leaves and transversely to the longitudinal extent of the spring, respectively to said first member and near one end of the spring to the side of one of the leaves of said spring facing away from said first member for transmitting substantially all longitudinally directed forces between said first member and the spring with said second member, said shackle having under normal load a slight inclination from its connection to the first member



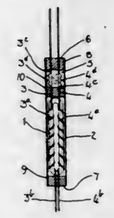
away from the latter toward the middle of the spring, the distance of the neutral zone of the leaf connected to said shackle from the axis of such connection being so related to the increase in length of said leaf due to straightening under increased load that the length of the arc on which the connected part of said leaf moves is approximately equal to said increase in length with the effect that the middle of the spring with the second member moves on a substantially straight path in a plane intersecting the middle of the spring at right angles.

2,411,338
WAVE GUIDE
Shepard Roberts, Cambridge, Mass., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War
Application July 24, 1944, Serial No. 546,420
2 Claims. (Cl. 178—44)



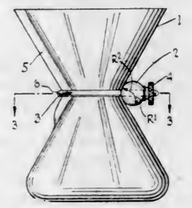
1. A wave guide for transmitting electromagnetic energy around a right angle, said guide comprising two portions of rectangular wave guide disposed at substantially a right angle to each other, each portion having spaced parallel side walls and spaced parallel walls perpendicular thereto and connecting said side walls to enclose a space of rectangular cross-section, a pair of corresponding side walls of the two portions intersecting and being joined at substantially a right angle to form an inner bend corner, and means for changing the direction of energy within said guide, said means consisting of a reflecting wall joining the other pair of corresponding side walls and forming an outer bend corner, said reflecting wall being disposed at angles of substantially forty-five degrees with each associated side wall, said reflecting wall being spaced from said inner bend corner by a distance substantially nine-tenths of the perpendicular distance between the spaced side walls, whereby electromagnetic energy within said guide will be transmitted from one guide portion to the other guide portion around a right angle bend while maintaining its original electromagnetic field pattern.

2,411,339
FIRING MEANS
Hans Jay Rolfes, Melrose, Transvaal, and Eric Clifford Halliday, Parktown North, Transvaal, Union of South Africa
Application December 16, 1942, Serial No. 469,244
In the Union of South Africa September 25, 1941
1 Claim. (Cl. 102—28)



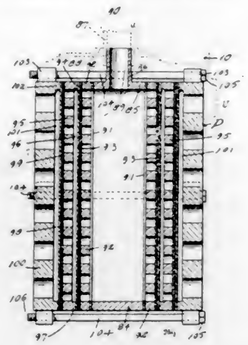
In a blasting unit, electrically-responsive firing means, electric leads serving such means, a primary safeguarding means in electrical contact with such leads and electrically inert to normal voltage firing charge through said leads and fully conductive to current flow from said leads of an abnormal voltage current through said leads, and a secondary safeguarding means between the ignition means and said primary means, said secondary means being within the electrical influence of the leads and preventing flow through said leads to the ignition means of residual or like current flow uncontrolled by the primary means, said secondary means including a magnetic core on which the leads are wound in relatively-reversed helix form respectively.

2,411,340
DECANTER FLASK
Peter Schlumbohm, New York, N. Y.
Application January 12, 1943, Serial No. 472,140
2 Claims. (Cl. 65—31)



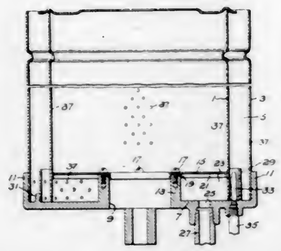
1. Decanter-flask for iced drinks, comprising a flask-body with neck and pouring-mouth, said neck forming a cant for holding back ice when tilting the flask for pouring; and a groove in the side walls of said flask-body, said groove by-passing said neck-cant, said groove having sufficient intake-cross-section in the zone below said neck-cant to by-pass the poured liquid, and having a width of sufficient restriction in said zone to prohibit ice to enter said groove.

2,411,341
FILTERING APPARATUS
Frank B. Shepard, Texon, Tex.
Application April 12, 1943, Serial No. 482,748
3 Claims. (Cl. 210—150)



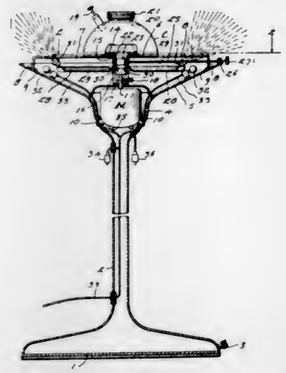
1. In a filtering apparatus, a filtering unit comprising a central frame having open sides, a discharge nipple carried by and opening into the frame, said nipple comprising means for suspending the unit in position, perforated plates clamped to the frame and covering the open sides thereof, and screening laminations clamped between the adjacent perforated plates and covering the open sides of the frame.

2,411,342
HYDROCARBON COMBUSTION TUBE BURNER
Ralston M. Sherman, Glastonbury, Conn.
Application March 17, 1944, Serial No. 526,884
12 Claims. (Cl. 158—86)



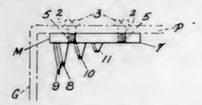
1. A gas burner for gas having a density less than air having, in combination, a base carrying a pair of perforated combustion tubes one of which surrounds the other in spaced relation thereto to form a combustion chamber between them, said base having an opening for supplying air to the side of one of said tubes opposite said combustion chamber, means cooperating with said base and one of said combustion tubes to form a gaseous fuel chamber positioned laterally of that tube adjacent its lower end coextensive with the peripheral extent of said tube, which latter forms one of the walls of said fuel chamber whereby the two chambers are placed in communication solely by the perforations of said tube, the end portion of the latter and said base having cooperating portions preventing other substantial communication between said chambers.

2,411,343
SPRAYING APPARATUS
Henry Singer, Honolulu, Territory of Hawaii
Application May 24, 1944, Serial No. 537,150
2 Claims. (Cl. 261—30)



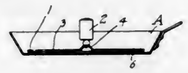
1. A device of the character stated comprising a hollow base having a tubular standard leading upwardly therefrom, said standard at its upper end carrying and opening into the lower part of a basin-like receptacle having an upwardly and outwardly flaring apron-like edge extension, a motor unit supported within said basin and having an upwardly directed shaft, a chambered body supported upon said shaft for rotation and having an open upper end, a plurality of tubes each having an end opening into the chambered body, the tubes extending radially outwardly from the body, a spray nozzle at the outer end of each tube directed upwardly and outwardly, the overall diameter of said apron being materially greater than the distance between diametrically oppositely positioned nozzles, a fluid receptacle supported above the center of the basin, a fluid conducting conduit leading from the receptacle into the chambered body and closing the said open end of the body, and a control valve within the conduit for controlling the flow of fluid from the receptacle into the chambered body.

2,411,344
OPENER FOR LIQUID CONTAINERS
Henry Singer, Honolulu, Territory of Hawaii
Application August 14, 1944, Serial No. 549,400
5 Claims. (Cl. 30—16)



1. A punching device of the class described, comprising a plate to overlie an end of a container, a guard plate extending from the first plate and of a length to overlie the side wall of the container to which the device is to be applied, and puncturing members of different lengths depending from the first plate to punch the end of the container when the first plate is pressed toward the end of the container, said puncturing members being arranged in groups, the members of each group being spaced apart in a direction lengthwise of the first plate and the groups being spaced apart transversely of the first plate, the members of each inner group being of a length less than the length of the members of the outward adjacent group.

2,411,345
COOKING UTENSIL
Omar Suttles, Los Angeles, Calif.
Application October 11, 1943, Serial No. 505,736
1 Claim. (Cl. 99—349)

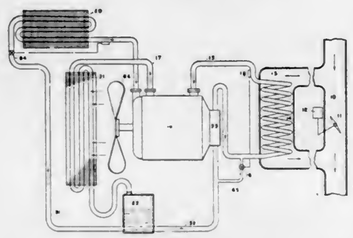


In combination with a skillet for frying bacon and the like, a disc loosely placeable within said skillet and having a number of circular perforations therethrough, pins projecting from the bottom of the disc to penetrate the bacon slices in the skillet, the projecting portion of said pins being so bent that each shank thereof is inclined in a direction different from the adjacent pins, and a handle rising centrally from the top of the disc for rotating the disc and the bacon slices held by the pins thereof and for lifting the disc with the bacon adhering thereto out of the skillet, tapping the edge of the skillet causing the bacon slices to slip off the pins.

2,411,346
REFINING OF NITRILES
John W. Teter and Walter J. Merwin, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 6, 1943, Serial No. 505,196
3 Claims. (Cl. 202—42)

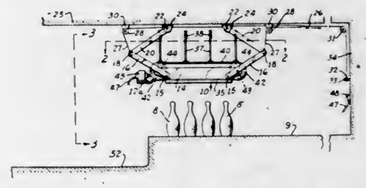
1. In a process for removing from nitriles of the class consisting of propionitrile, normal butyronitrile, and iso-butyronitrile, hydrocarbon impurities having boiling points such that in mixtures with said nitriles they normally distil in approximately the same temperature range as said nitriles, the improvement which comprises subjecting the hydrocarbon-contaminated nitrile product to fractional distillation in admixture with acetonitrile and distilling off the hydrocarbon-contaminant and acetonitrile as an azeotrope.

2,411,347
REFRIGERANT VAPOR SYSTEM
William E. Trumpler, Easton, Pa., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application November 27, 1940, Serial No. 367,441
10 Claims. (Cl. 62—115)



3. In a system for utilizing refrigerant, means for supplying heated gases, a boiler containing refrigerant, and arranged to utilize said heated gases for vaporizing under relatively high pressure a controlled portion of said refrigerant, an apparatus utilizing another portion of said refrigerant for refrigeration purposes, a prime mover and compressor unit for receiving said refrigerant under high pressure and refrigerant from said apparatus, means for condensing the refrigerant received from said unit, means for returning from the condensing means to the boiler some of the condensed refrigerant to be again vaporized under high pressure, and means for returning from the condenser back to the boiler a surplus of said last mentioned refrigerant.

2,411,348
PIN CLEARING APPARATUS
Charles L. Turner, Long Beach, Calif., assignor to Leighton J. Turner, Long Beach, Calif.
Application August 11, 1944, Serial No. 548,973
4 Claims. (Cl. 273—54)



1. In combination in pin clearing apparatus: a carrier adapted to be moved to and from position above a pin zone of a bowling alley; a platform included in said carrier; a plurality of spaced longitudinally arranged pin retaining means adapted to retain standing pins in upright position and carried by the under side of said platform; and a plurality of sweep means carried by said platform and disposed to move longitudinally between said pin retaining means and to remove fallen pins.

2,411,349
BOTTLE CAP
Thomas J. Van Alstyne, Portland, Oreg.
Application April 5, 1944, Serial No. 529,601
1 Claim. (Cl. 215—51)

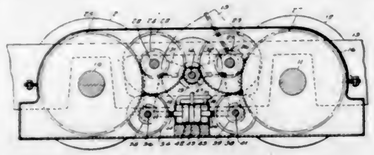


A paper milk bottle cap consisting of two plies of paper forming a circular disc, one of said plies having a semi-circular perforation formed therein and having a plurality of pointed perforations extending along the diameter of said semi-circular perforation to form a hinge line therefor, said pointed perforations extending into the second ply and serving to unite the plies along the hinge line thereof.

2,411,350
LOCOMOTIVE DRIVE
Frank L. Alben, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1943, Serial No. 490,313
2 Claims. (Cl. 105—113)

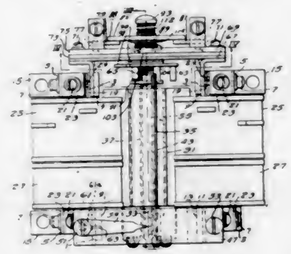
1. In a locomotive driving mechanism, the combination with a pair of axles and wheels secured

to each axle, of an axle gear for driving each axle, a driving shaft disposed between the axles, a pinion secured to said shaft, forward operating and reduction gear units intermeshing with said pinion and each of said axle gears, a reverse operating gear unit driven by each of the forward gear units, a bell crank frame for supporting each



forward gear unit and its associated reverse gear unit, said bell crank frames having arms pivoted about said driving shaft, and fluid pressure means for operating said bell crank frames to disengage said forward gear units from said axle gears and engage said reverse gears with said axle gear units, said fluid pressure means permitting relative movement between the bell crank frames.

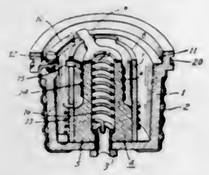
2,411,351
OVERLOAD RELAY
George C. Armstrong, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 1, 1942, Serial No. 437,235
24 Claims. (Cl. 175—294)



4. A thermally and magnetically responsive device comprising, in combination, a plurality of bimetallic elements, transformer means for heating the same, tripping means, a movable contact operated by said tripping means in response to deflections of said bimetallic elements being heated by said transformer means, separate tripping means responsive to magnetic effects operable upon magnetic saturation of said transformer, and a sliding contact engageable with said movable contact and actuated by said magnetically responsive tripping means.

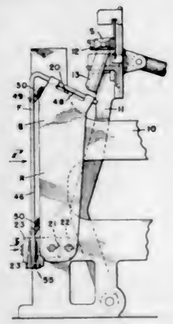
2,411,352
CUTOUT
George C. Armstrong, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 23, 1944, Serial No. 536,952
13 Claims. (Cl. 200—122)

12. A thermal cutout for electric circuits, comprising a plug-shaped hollow support, a cylindrical part stationary relative to said support and disposed centrally in its interior, a rotatable member surrounding said part within said support, a spring disposed between said member and said support for biasing said member in one direction of rotation, contact means having a stationary contact on said support and a movable contact controlled by said member, a radially expansible bimetal winding having one end engaged by said member and being seated on said part so as to prevent when cold said rotation of said part,



electric current-responsive heating means disposed within said support for thermally expanding said winding in order to release said member, a cover disposed on said support, and resetting means arranged on said cover and engaging said member for rotating it in the engaging direction of said contacts.

2,411,353
SUPPORT AND RELEASE MEANS FOR BOBBIN RECEIVERS
Gabriel C. Beatrice, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,948
7 Claims. (Cl. 139—255)

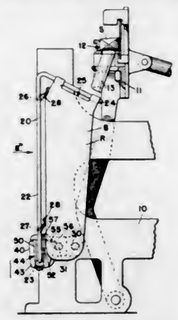


3. In a weft replenishing loom from which bobbins are discharged downwardly along a chute which traverses a given back and forth path, a supporting unit mounted on the loom, a bobbin receiver unit having a bobbin receiving mouth, and connections between said units holding said receiver unit with said mouth extending under part of said path, said units being so constructed as to prevent separation thereof by upward motion of the receiver unit, but permit separation thereof by downward motion of the receiver unit.

2,411,354
BOBBIN RECEIVER FOR WEFT REPLENISHING LOOMS
Gabriel C. Beatrice, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,949
13 Claims. (Cl. 139—255)

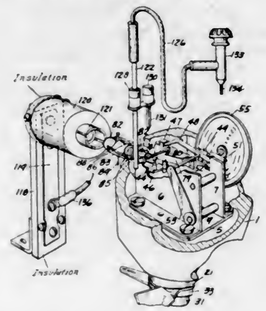
1. In a weft replenishing loom from which depleted bobbins are discharged, a carrier having

an upwardly opening pocket therein and mounted on said loom so that said pocket can move back and forth between front and rear positions, a bobbin receiver unit having a foot normally in said pocket and removable therefrom by an upward movement, said foot causing said pocket to



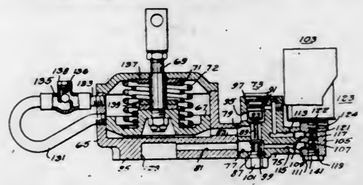
move forwardly when said unit is moved forwardly, and stop means so located as to prevent upward movement of said foot when said pocket is in the rear position thereof but permitting upward removal of the foot from said pocket when the latter is in the front position thereof.

2,411,355
APPARATUS FOR TESTING AND ADJUSTING BAROMETRIC FUSES
Elmer H. Beiser, Peru, Ernest L. Berninger, La Salle, and Max E. Schlenker, Peru, Ill., assignors to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application August 23, 1943, Serial No. 499,610
14 Claims. (Cl. 73—5)



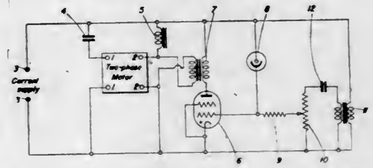
8. In combination with a barometric bomb fuse of the type having latched detonating means including a system of independently releasable levers held under tension, and pressure responsive tripping means associated with the last lever of said system, means for testing the operation of said pressure responsive tripping means comprising blocking means positioned in the path of said last lever so as to be engaged thereby after tripping thereof, but before it has moved into a position wherein any of the other of said levers is released, means to reset said last lever against the tension of said lever system after tripping, a pressure chamber in which said fuse is disposed, and means to regulate the pressure therein so that successive tests of said pressure responsive tripping device may be made without removing said fuse from said pressure chamber.

2,411,356
VALVE MECHANISM FOR COMPRESSED GAS CIRCUIT INTERRUPTERS
Benjamin P. Baker, Turtle Creek, and Herbert J. Webb, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 13, 1943, Serial No. 479,066
10 Claims. (Cl. 137—139)



1. In a compressed gas circuit interrupter, a high-speed valve mechanism for controlling the flow of compressed gas to the interrupter comprising a valve movable to open and to closed positions, a piston operatively related to said valve and working in a cylinder, means for admitting compressed gas to one end of said cylinder to effect high-speed operation of said piston and valve to open position, and means comprising a by-pass passage communicating with said cylinder and opened by said piston when said valve reaches open position for admitting compressed gas to the other end of said cylinder to operate said piston and valve to closed position.

2,411,357
SPLIT-PHASE SERVOMOTOR CONTROL
Sidney Bertram, San Diego, Calif., assignor to the United States Government, as represented by the Secretary of the Navy
Application October 3, 1944, Serial No. 556,989
11 Claims. (Cl. 172—278)

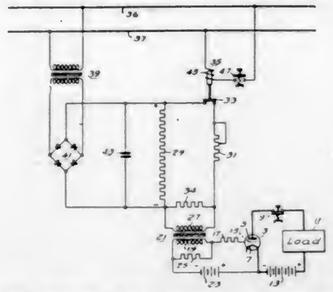


1. A servo mechanism comprising a source of alternating voltage, an armature, means connected across said source for producing a first magnetic field, an impedance, second means connected in series with said impedance across said source for producing a second magnetic field displaced with respect to said first magnetic field, both of said fields acting on said armature, a vapor-electric discharge tube, control means coupled to said tube, a transformer, said tube and one winding of said transformer being connected in series across said source, the other winding of said transformer being connected across said second means to supply a voltage which is phase-displaced with respect to the voltage from said source when said tube fires.

2,411,358
CONTROL CIRCUIT
Harry J. Bichsel, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1944, Serial No. 554,783
6 Claims. (Cl. 315—274)

1. Control apparatus for an electric discharge valve of the arc-like type having an anode, cath-

ode and control electrode, comprising a control circuit connected from said control electrode to said cathode and including biasing potential means tending to maintain the former less positive with respect to the latter than the critical voltage of the valve, an energy storage device, impedance means connected in parallel circuit relation with said device, a normally closed switch connected in a series circuit with said



paralleled device and impedance means, and means adapted to supply direct current through said series circuit, whereby energy stored in said device by said direct current is released to effect current flow through said impedance means when said switch is opened, said control circuit being coupled to said device to make said control electrode more positive with respect to said cathode than said critical voltage in response to the release of said energy.

2,411,359
PLANT STIMULANT COMPOSITION AND METHOD
John H. Billman, Bloomington, Ind.
No Drawing. Application December 4, 1940, Serial No. 368,506
16 Claims. (Cl. 47—58)

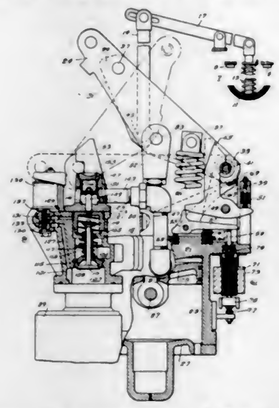
1. In the propagation of plants the method of altering the growth characteristics of the plant which comprises treating the plant structure with a compound selected from the class consisting of free carboxylic acids and compounds which on hydrolysis yield said acid, said acid being a carboxylic acid having the formula

$$R{-}X{-}R'{-}\overset{\overset{O}{\|}}{C}{-}OH$$

in which R is an aromatic hydrocarbon radical of the naphthalene series and R' is an aliphatic hydrocarbon radical, and X is selected from the group consisting of aminomethylene, hydroxymethylene and carbonyl and in which R is linked to X at the 2-position.

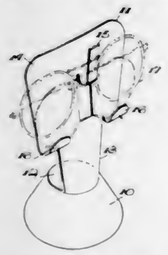
2,411,360
CIRCUIT BREAKER
Samuel H. Boden and James M. Cumming, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 26, 1943, Serial No. 500,062
8 Claims. (Cl. 200—82)

1. An operating mechanism of the pneumatic type for operating an electrical circuit breaker comprising a cylinder, a movable operating piston in said cylinder disengageably related with the circuit breaker, means normally restraining said circuit breaker in closed position, said means being operable to permit said breaker to move to open position irrespective of said piston, a source of compressed gas, and a control valve device for admitting compressed gas to said cylinder to move said piston in one direction to operate the breaker and for also rapidly venting said cylinder directly to atmosphere to permit high speed reengagement of said piston to said circuit breaker, said valve device having an inlet passage communicating with said cylinder, a large exhaust passage for rapidly venting said cylinder directly to atmosphere connected to said cylinder



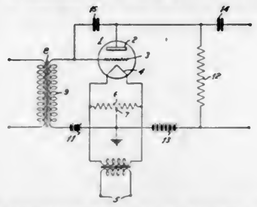
apart from the connection of the inlet passage to the cylinder, an intake valve element biased to closed position to close off said inlet passage from said source, an exhaust valve element biased to open said exhaust passage, and a single actuating piston connected to said exhaust valve and operable when energized to close said exhaust valve element and engage and open said intake valve element.

2,411,361
EYEGLASS HANGER
Antonio Bongiovanni, Philadelphia, Pa., assignor of one-half to Antonio Geraci, Philadelphia, Pa.
Application October 23, 1945, Serial No. 623,908
1 Claim. (Cl. 248—300)



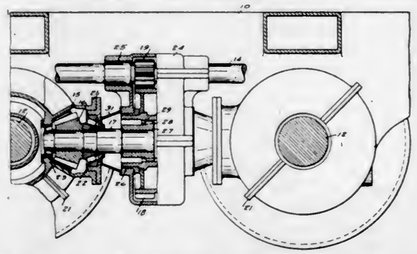
An eyeglass hanger including a pedestal having a stud upstanding therefrom, a rack having a base seating against the pedestal and provided with an opening receiving said stud therethrough, said rack being adapted to receive a pair of eyeglasses, and flanges on the pedestal slidably accommodating the base therebeneath and normally holding the base engaged with said stud, the base being adapted to be flexed upwardly to clear said stud and being formed at its lower side with a slot extending rearwardly from said opening and adapted to accommodate the stud whereby the base may be shifted forwardly over the stud from beneath said flanges and detached from the pedestal.

2,411,362
SHAPED AMPLIFIER
John R. Boykin, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 1, 1944, Serial No. 529,109
4 Claims. (Cl. 179—171)



1. In combination with an electron tube having an anode, at least one control electrode and an electron-emissive cathode, an inductive winding connected between said control electrode and said cathode, and a capacitor connected between said control electrode and said anode, the inductance of said winding being made such as to resonate at the frequency of input voltages impressed on said winding with μ times the capacitance of said capacitor, where μ is the voltage amplification of said tube.

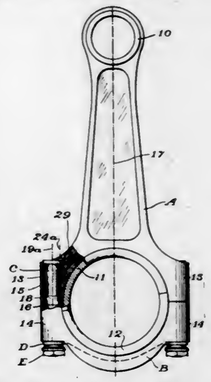
2,411,363
LOCOMOTIVE DRIVE
Winston A. Brecht, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 26, 1943, Serial No. 500,096
5 Claims. (Cl. 105—117)



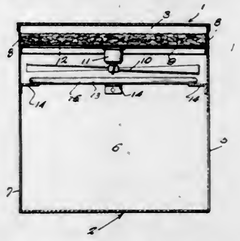
1. In a locomotive drive, in combination, a main drive shaft, an auxiliary shaft disposed substantially parallel to the main shaft, an intermediate gear for driving the auxiliary shaft, means disposed inside of the intermediate gear for movably connecting one end of the auxiliary shaft to the intermediate gear, a pinion on the main shaft for driving the intermediate gear, an axle, a bevel gear mounted on the axle, a pinion meshing with the bevel gear, said pinion being secured to said auxiliary shaft, and a gear case mounted on the axle and enclosing said bevel gear and its pinion, said auxiliary shaft serving as a torque arm for the axle-mounted bevel gear unit.

2,411,364
FASTENING DEVICE
John P. Butterfield, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 6, 1942, Serial No. 449,867
10 Claims. (Cl. 85—9)

1. In a fastening device for a pair of members having aligned openings, a bolt extending through said openings for holding said members in assembled relationship, said bolt having a coaxial and integral cylindrical head and shank, an annular member clamping surface on the underside of said head substantially concentric and coextensive with said head, and a disc-like lug integral with said head and upstanding therefrom and disposed to one side of the axis of the bolt such that a portion of said lug locally overhangs said head, the opening of one of said members having an enlarged portion thereof receiving said head and a groove locally recessed therefrom for receiving said overhanging lug portion.



2,411,365
DISH DRIER
Harrold L. Card, Pana, Ill.
Application October 6, 1944, Serial No. 557,468
2 Claims. (Cl. 34—82)

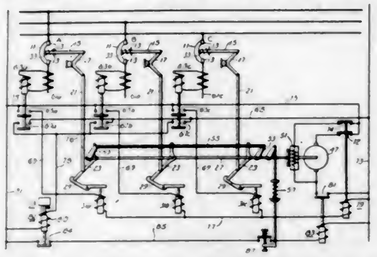


1. A cubical dish drying cabinet having all of its side walls perforated, adjacent the upper end of the walls an imperforate top cover, a common filter covering all of said perforations, a support for the filter, a motor suspended from said support, a fan carried by the motor, a heating unit directly below the fan, an exhaust air outlet at the bottom of one wall of the cabinet, and a dish containing basket slidably seated in said outlet, whereby said exhausted air is forced over the contents of the basket on its way to the outlet.

2,411,366
CIRCUIT INTERRUPTER
Leonard B. Chubbuck, Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1944, Serial No. 518,207
11 Claims. (Cl. 175—294)

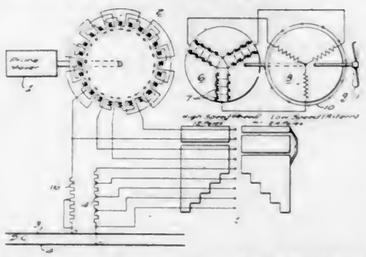
1. A polyphase circuit interrupter comprising a phase circuit interrupter for each phase of the

circuit, means for effecting independent opening of each phase circuit interrupter in response to abnormal conditions in the associated phase circuit, operating mechanism comprising a member common to all of said phase interrupters and operable to close any of said phase circuit interrupters that are open, power operated means for



actuating said member, coupling means between said member and said power operated means for connecting and disconnecting said member to said power operated means, and means operated upon opening of any one of said phase interrupters to cause said coupling means to couple the power operated means to said member and to cause energization of said power operated means.

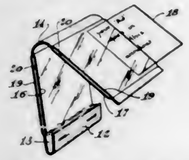
2,411,367
DIESEL ELECTRIC MARINE DRIVE
Herman H. Curry, Montgomery County, Md., and Adolphus M. Dudley, Oakmont, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application October 16, 1940, Serial No. 361,342, now Patent No. 2,275,508, dated March 10, 1942. Divided and this application August 14, 1942, Serial No. 454,802
3 Claims. (Cl. 172—284)



1. An electromagnetic coupling having rotatable driving and driven members one of which comprises a salient pole winding and a pole changing switch between said source and field winding for selectively connecting the field winding for a plurality of pole numbers, the other of said members comprising a phase wound winding including equalizing connections and which is so wound as to become short-circuited by said connections for one of said pole numbers and which will act as an alternating current generator for another of said pole numbers of said salient pole field winding.

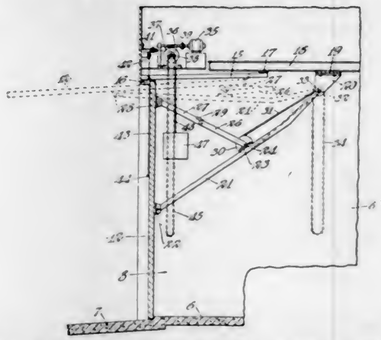
2,411,368
DISPLAY FOLDER
Alden B. Dow, Midland, Mich.
Application October 21, 1942, Serial No. 462,869
1 Claim. (Cl. 206—29)

A folder of the book-match type comprising two superposed continuous strips folded transversely adjacent the center thereof to form a back member and a cover member, the free end of the cover being the insert end and the free end of the back member being folded back upon itself to form a bottom return fold which receives the insert end, at least one of said strips being of flexible transparent material, the strips being sealed together adjacent the insert end of the cover, along the center fold and adjacent the



bottom return fold, and being unattached over the remaining contiguous areas, the last said areas presenting a laterally open, transparent pocket on each the front and rear faces of the article in its normal folded form and said article having secured within the bottom return fold a row of tipped matches and bearing on an outer surface of the folder an area coated with abrasive ignition material for the matches.

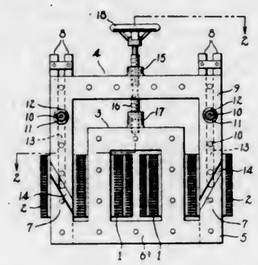
2,411,369
DOOR ACTUATING MECHANISM
Victor E. Forrest, Minneapolis, Minn.
Application August 12, 1943, Serial No. 498,308
5 Claims. (Cl. 20—19)



4. In a vertically movable door construction, a door panel, a stationary member spaced from an upper side of said door, a strut having its ends pivotally connected to a vertically intermediate portion of said door and said stationary member, a collapsible brace connected to said door and to an intermediate portion of said strut, and a pair of spaced, substantially horizontally disposed trackways extending laterally relative to the upper edge of said door, and track followers secured to said door at its upper edge and movable in said trackways.

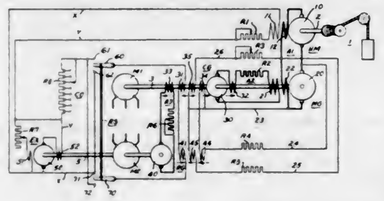
2,411,370
TRANSFORMER WITH VARIABLE SECONDARY REACTANCE
Eduard Fries, Oerlikon, Switzerland
Application June 14, 1943, Serial No. 490,787
In Switzerland July 6, 1942
9 Claims. (Cl. 171—119)

1. A transformer providing for adjustment of its secondary reactance within wide limits, comprising, a closed primary magnetic core, a primary winding of substantially rectangular transverse cross-section inductively mounted on said core in fixed relation thereto, a secondary winding of substantially rectangular transverse cross-section telescoped over said primary winding and mounted in fixed relation to said primary winding and said core, and having one side of its inner circumferential wall spaced a substantial distance from the outer circumferential wall of said primary winding, a secondary magnetic core arranged to pass axially through the space between said walls of the primary and secondary windings so as to be inductively interlinked with



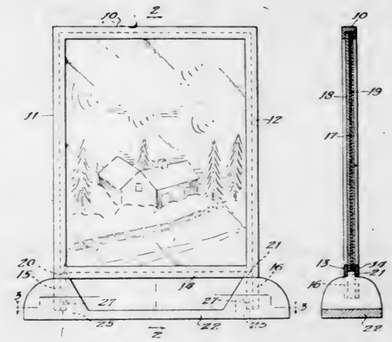
said secondary winding only, said secondary core comprising a part mounted stationary with respect to said windings and another part which is movable relative to said stationary part to interpose a variable air gap in the path of the flux induced in said parts by said secondary winding, said air gap being located near the transverse central plane of said secondary winding, a guide bar fixed to one of said parts, means attached to said other part and arranged to hold the latter in resilient sliding engagement with said bar, and means to reciprocate said movable part on said guide bar for varying the length of said air gap.

2,411,371
CONTROL SYSTEM
William R. Harding, Export, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 14, 1944, Serial No. 540,247
11 Claims. (Cl. 172—239)



1. A variable voltage drive comprising a drive motor, a main generator having an armature circuit connected to said motor and a main field winding for controlling the voltage of said circuit, a control generator having a self-excited voltage-sustaining field winding and a current limiting field winding and further field winding means, operator-controlled circuit means for providing an adjustable pattern voltage and circuit means for providing a control voltage variable in accordance with the speed of said motor, said different circuit means being both connected with said field winding means so as to cause them to produce in said control generator a field excitation in accordance with the differential value of said pattern and control voltages, a regulating generator having saturably shunted field poles for generating abruptly increasing regulating voltage in dependence upon the passing of its field excitation through a given finite value and being connected with said current limiting field winding so as to impress said regulating voltage thereon for reducing the resultant field excitation of said control generator accordingly, circuit means for energizing said regulating generator in dependence upon the load current of said motor, and further circuit means for energizing said regulating generator also in accordance with said differential of said pattern and control voltages.

2,411,372
PICTURE FRAME
William A. Hicks, Chicago, Ill.
Application September 11, 1944, Serial No. 553,552
2 Claims. (Cl. 40—152.1)

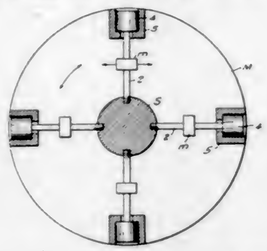


1. A frame for pictures and the like having a top piece and side pieces, all provided with channels facing inward to receive the top and side edges of the pictures, etc., two cross bars connecting the side pieces near, but short of, their lower ends, the cross bars being spaced apart in the direction perpendicular to the plane of the frame to permit insertion of pictures, etc., into the frame, and a base having openings therein removably receiving the portions of the side pieces that extend beyond the cross bars, and latch means concealed in the base for holding said portions in the openings, said base also having means projecting upwardly between the cross bars adjacent to the side pieces to hold the lower edge of a picture in position between the cross bars.

2,411,373
TORSIONAL VIBRATION ABSORBER
Alfred R. Holowenko, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1944, Serial No. 525,792
7 Claims. (Cl. 74—574)

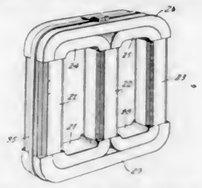
1. A device for absorbing the torsional vibrations of a member rotating about an axis comprising, in combination, a strip-like element radially disposed of said mass, the extremity of said element near the axis of said member being rigidly secured with respect to said member, a mass

secured to the other extremity of said element, said mass being disposed for radial movement



only of the member, and a second mass secured substantially centrally of the strip-like member.

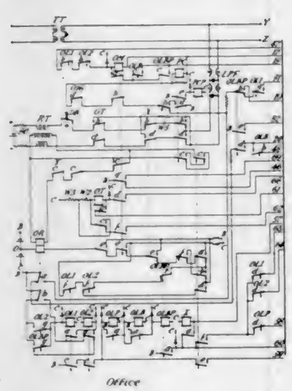
2,411,374
MAGNETIC CORE STRUCTURE FOR THREE-PHASE TRANSFORMERS
Clifford C. Horstman, Sharpsville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 7, 1943, Serial No. 471,538
8 Claims. (Cl. 175—356)



1. In a magnetic core structure for electrical induction apparatus, in combination, a plurality of leg members positioned in parallel relation and having cruciform cross-section and yoke members connecting the corresponding ends of the leg members, the leg members comprising core units formed of stacks of laminations of magnetic material, the laminations of each unit being united by bonding material applied to the laminations and having faces worked on the core leg for making butt joints, certain of the laminations having a different width than others to provide a cruciform shaped core leg, the yoke members comprising portions of a magnetic loop structure formed of magnetic sheet material wound flatwise, the sheet material having the same width throughout the yoke member to provide a greater cross section in the yoke members than in the leg members, the successive turns being bonded together by bonding material applied to the sheet material, and cut to provide two yoke member structures for joining the leg members of the core and having faces worked thereon to provide elements for closely adjoining the cooperating faces of the core leg members to form low loss butt joints.

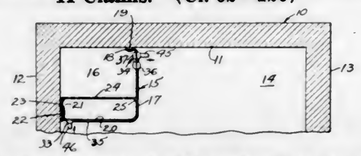
4. A method of making a magnetic core for an induction device having a plurality of core leg members arranged in parallel relation, and yoke members connecting the corresponding ends of the leg members, said method comprising the steps of building separate leg member pieces each as a solidly held bundle of laminations of magnetizable material with intervening bonding layers of an adherent insulating bond between the laminations, each bonding layer adhering to both of the laminations between which it is disposed whereby the bundle of laminations is solidly held together to constitute one of the plurality of separate leg pieces of the core, mechanically working a plurality of accurately smooth butt joint surfaces on each piece, and in building separate arch shaped yoke members each as a solidly held bundle of laminations of magnetizable material with intervening bonding layers of an adherent insulating bond between the laminations, each bonding layer adhering to both of the laminations between which it is disposed whereby the bundle of laminations forming the arch shaped yoke member is held solidly together to constitute one of the plurality of separate yoke pieces of the core, the arch shaped yoke members being formed by winding a continuous strip of magnetic material in a plurality of turns, filling the spaces between the several turns with an adherent insulating bonding layer to provide a solid loop structure, cutting and mechanically working the wound and filled core loop to divide it into two yoke members having accurately smooth butt joint surfaces on each piece for closely fitting the matching surfaces of the leg members to provide smooth low loss butt joints between the leg and yoke members of the core, and in assembling the yoke and leg members in final position.

2,411,375
REMOTE CONTROL SYSTEM
Arthur P. Jackel, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 31, 1943, Serial No. 496,907
16 Claims. (Cl. 177—353)



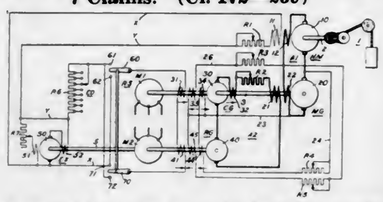
2. In a remote control system, a line circuit, a normally deenergized line relay of the stick polar type, means for operating said relay to reverse and normal by codes of impulses received from said line circuit, a code receiver controlled by said relay and selectively responsive to said codes but only if said line relay is initially in its normal position, timing means controlled by said receiver and rendered effective after the lapse of a predetermined time for reversing the line relay if due to a fault an impulse other than the final impulse of a code, by which the relay is operated to normal, is not followed by another impulse, and other means controlled by said receiver for operating the line relay to normal if due to a fault an impulse by which the relay is reversed is not followed by another impulse within a predetermined time interval.

2,411,376
REFRIGERANT EVAPORATOR
Bernard C. Johnson, Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 16, 1944, Serial No. 526,665
11 Claims. (Cl. 62—126)



1. In combination, a refrigerator box, an evaporator unit of L-shape and having integral apertured end flanges, and means passing through said apertured end flanges for attaching said evaporator to adjacent walls of said refrigerator box.

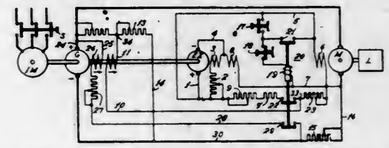
2,411,377
CONTROL SYSTEM
Albert W. Kimball, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 14, 1944, Serial No. 540,175
7 Claims. (Cl. 172—239)



1. A variable voltage control system comprising a main generator having an output circuit and a main field winding for controlling the voltage of said circuit, a control generator and a regulating generator connected with said main field winding for exciting it in accordance with a resultant voltage depending upon the component voltages generated by said latter two generators respectively, each of said latter generators having field means for controlling said respective component voltages, operator-controlled circuit means for providing an adjustable pattern voltage and circuit means for providing a control voltage variable in accordance with the voltage of said circuit, said different circuit means being connected with said field means of said control generator for exciting said control generator in accordance with the differential value of said pattern and control voltages, said regulating generator having a saturation characteristic so as to vary the rate of change of said appertaining component voltage when the excitation of its field means passes through a given finite value, and means for exciting said field means of said regulating generator in dependence upon the load current in said circuit, whereby said load current is substantially limited to a safe maximum value.

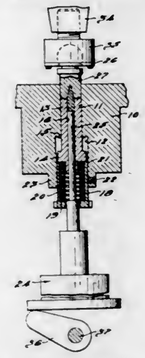
2,411,378
CONTROL SYSTEM
George E. King, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1944, Serial No. 566,724
6 Claims. (Cl. 172—239)

1. In a speed control system for a direct current motor, in combination, a motor the speed of which is to be controlled, a field winding for the motor, a source of direct current potential connected to energize the field winding a selected amount, a generator suitably driven at a constant speed connected to supply energy to the motor armature, said generator having a self-excited field winding whose field circuit resistance is adjusted to substantially coincide with the air-gap line of the no-load saturation curve, whereby said generator will for any given stable operating condition maintain the voltage to which the generator is adjusted, circuit means interconnected



with the connection between the motor and generator and said source of direct current potential and subject to changing voltage drops between selected points of said circuit means with changing operating conditions of the motor and a pilot field winding for the generator interconnected with said circuit means and responsive to departures of said voltage drops from a selected voltage drop of said circuit means to thus be energized to act cumulatively or differentially to the self excited field winding depending on the sign of the departure of said voltage drop.

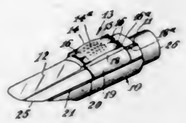
2,411,379
APPARATUS FOR MAKING BRIQUETTES
Anthony J. Langhammer, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 20, 1941, Serial No. 415,714
7 Claims. (Cl. 78—0.5)



6. Apparatus for forming from powdered metal a projectile shaped briquette having a cylindrical body portion and a tapered ogive including a support, a tubular die part axially shiftably mounted on said support having a passage for receiving a powdered metal charge and which is adapted to form the body portion of said briquette, a shiftable ram having a die part directly engageable with said tubular die part for positively shifting the latter independently of said powdered metal charge and provided with a tapered closed end cavity registerable with said passage for forming the ogive, mechanism for forcing said ram against said tubular die part to shift the latter axially, and means extending into the passage of said tubular die part for holding

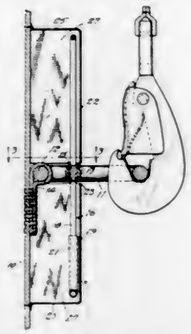
said charge against movement with the latter in order to initially displace a portion of said charge from said passage into said cavity and to thereafter compress said charge to a predetermined density during movement of said tubular die part by said ram.

2,411,380
LIGATURE FOR SAXOPHONE MOUTHPIECES
Mario Maccaferri, New York, N. Y.
Application November 22, 1944, Serial No. 564,600
2 Claims. (Cl. 84—383)



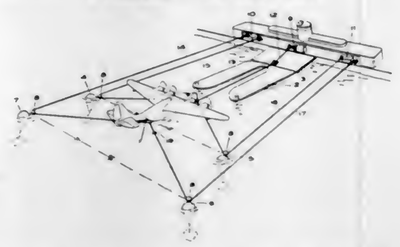
1. A single piece integral ligature for a reed supporting mouthpiece, comprising a central pressure member extending the width of the reed and curved upwardly therefrom and having longitudinally extending tension fingers adapted to press upon the back of the reed, and having at each of its lateral sides a shoulder parallel with the lateral parallel side of the reed, said shoulders being spaced apart a distance equal to the width of the reed, and each shoulder having a curved extension substantially concentric with the transverse contour of the mouthpiece and each extension having a hook to engage a groove in said mouthpiece to clamp the reed to the mouthpiece.

2,411,381
RETAINER FOR D-RINGS OF PARACHUTE HARNESSES
Frank G. Manson, Chicago, Ill.
Application August 30, 1944, Serial No. 551,792
4 Claims. (Cl. 244—151)



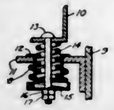
1. In combination with a flexible fabric strap, a D-ring fastened to said strap, means for holding said D-ring outwardly from said strap, said means comprising a member integral with said D-ring and having openings therethrough substantially at right angles to the plane of said D-ring, a non-flexible loop-shaped tilt-restraining member extending through said openings and a second non-flexible loop-shaped member fitting over the ends of said first loop-shaped member to form a closed loop, and means for holding said tilt-restraining member to said strap.

2,411,382
DOCKING FLYING BOATS
Glenn L. Martin, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application December 2, 1943, Serial No. 512,533
2 Claims. (Cl. 114—230)



2. An apparatus for moving a seaplane relative to a shore structure along a fixed, predetermined path, comprising a towing cable and a pair of continuous cables, the midpoints of said pair of cables adapted to be secured to the forward and aft ends of a seaplane hull, a plurality of power-driven winches on said shore structure to which the ends of said pair of cables are attached and by which said cables are reeled in or payed out, a pair of floating buoys anchored at laterally spaced positions relative to each side of said path, said pair of buoys being spaced along the path a distance approximately equal to the waterline length of said seaplane hull, cable guide means on said buoys, each of the pair of said cables extending transversely of said path supported by a buoy on each side of said path, the midpoints of said cables being located between the buoys generally aligned with said path, a cable guide on said shore structure at the shore end of said path, said towing cable passing over said last mentioned cable guide for moving the seaplane along said path, terminals at the midpoints of said cables detachably secured to said seaplane hull, floats located on the laterally extending portions of the cables between the midpoints and the cable guide means on said buoys to maintain the midpoints of said cables near the surface of the water, said winches on the ends of the continuous cables being operated at controlled rates of speed relative to said last named winch to maintain the motion of the seaplane hull along said path and restrain said hull from lateral departures from said predetermined path.

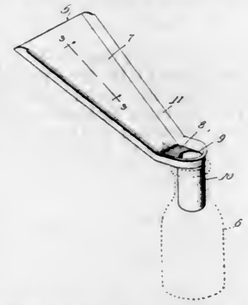
2,411,383
YIELDABLE SUPPORT FOR VIBRATORY MECHANISMS
Albert R. Miller, Hialeah, Fla.
Original application April 8, 1943, Serial No. 482,292. Divided and this application May 9, 1945, Serial No. 592,894
1 Claim. (Cl. 248—20)



In an apparatus comprising relatively static elements and movable elements, the combination of a rigid framework for supporting the static elements directly from the floor, said framework comprising a cup; an auxiliary frame upon

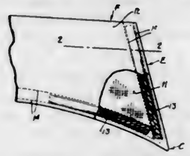
which the movable elements are supported, said frame having a portion disposed over said cup; and yieldable connections supporting said auxiliary frame from said framework, said connections comprising a pair of tensioned springs, one spring nested within said cup and exerting its force in one direction, and the other spring encircling said cup and exerting its force in the opposite direction.

2,411,384
VISUAL MILK TESTER
Ward E. Miller and Bennett Jay Porter, Albert Lea, Minn.
Application July 6, 1945, Serial No. 603,436
1 Claim. (Cl. 88—14)



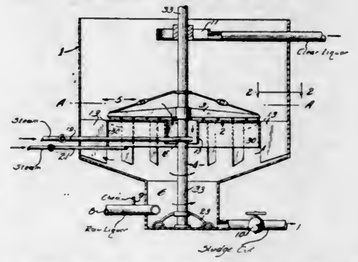
A visual milk tester for support on a bottle having a cylindrical neck comprising an imperforate plate having an inclined, elongated portion and a horizontal portion at the lower end of said inclined portion, the latter having an upper surface of dark color upon which a descending film of milk may be readily viewed, a downwardly projecting spout having its upper end fixed to said horizontal portion to receive milk passing over said plate, said spout being cylindrical and of a diameter to fit in the neck of the supporting bottle whereby the plate will project laterally and upwardly from one side of the bottle, and an upstanding milk-retaining wall fixed to the side edges of said plate and extending around a portion of the upper end of said spout.

2,411,385
COLLAR
Max M. Newman and Victor M. Newman, New York, N. Y.
Application January 5, 1944, Serial No. 517,036
4 Claims. (Cl. 2—132)



1. A collar which comprises a face-band which is connectable to a neckband, said face-band having a free bottom edge and two free upstanding edges which join said bottom edge at two respective corners, transversely bendable chain means connected to said face-band adjacent said bottom edge, said chain means having longitudinal edges and having respective ends thereof adjacent respective corners of said face-band, said chain means consisting of pivotally connected links which are freely transversely movable relative to each other from end to end of said chain means, said chain means being sufficiently heavy to hold the respective part of the face-band in extended shape, said chain means being sufficiently bendable to permit said collar to be laundered without removing said chain means, said chain means being held clamped to said face-band by stitches between which the longitudinal edges of said chain means are located, said chain means being free from stitches between their longitudinal edges.

2,411,386
APPARATUS FOR CLARIFYING AND PURIFYING LIQUIDS
Henry C. Parker, Washington, D. C., and Frank D. Prager, Chicago, Ill., assignors to Graver Tank & Mfg. Co., Inc., a corporation of Delaware
Application February 3, 1943, Serial No. 474,564
6 Claims. (Cl. 210—16)

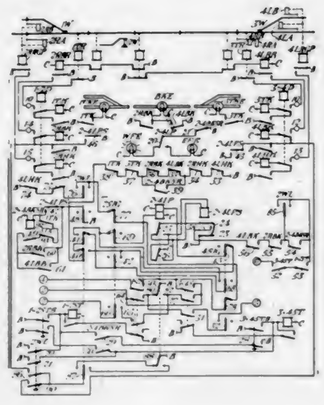


1. A tank for liquid clarification comprising a flat, circular tray concentrically and horizontally installed between the bottom and top of the tank, spaced from the wall of the tank, and having a central opening, to form a flocculation compartment below said tray, a clarification compartment above said tray, a continuous, annular, peripheral flow channel between said compartments, and a central flow channel between said compartments; impeller means adapted to rapidly rotate the liquid in said flocculation compartment and to recycle liquid from said flocculation compartment through said annular flow channel, over said tray, and back through said central flow channel; substantially radial and vertical stilling baffles installed in said peripheral flow channel to prevent continued, rapid rotation of said liquid recycled over said tray, secured to the wall of the tank and to said tray and supporting at least part of the weight of said tray; sludge scraper means adapted to rotate over said tray; means to slowly rotate said sludge scraper means; inlet means for liquid to be treated and any chemical reagents required, discharging into said flocculation compartment; outlet means for treated and clarified liquid adjacent the top of said clarification compartment; and outlet means for settled sludge in a lower part of the tank.

2,411,387
RAILWAY TRAFFIC CONTROLLING APPARATUS
Frank T. Pascoe, Carnegie, and Arthur L. Jerome, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 8, 1944, Serial No. 567,188
17 Claims. (Cl. 246—3)

1. In direction selecting means for a stretch of railway track equipped with a signaling system

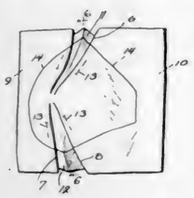
governed jointly by code controlled traffic direction relays at opposite ends of the stretch so that at times the stretch is conditioned for traffic in one direction and at other times is conditioned for traffic in the other direction, in combination, electroresponsive means at a control office including contacts movable between a first and a second position for controlling circuits governing transmission of control codes to said traffic direction relays to cause them to establish traffic in one direction or the other according as said contacts occupy their first or their second position, block indication means at said control office for indicating whether said stretch is occupied or is unoccupied, circuit means for operating said electro-responsive means to change



the position of said contacts provided said block indication means indicates the stretch to be unoccupied, an auxiliary relay having contacts movable between a first position in which they permit the block indication means to indicate that the stretch is unoccupied and a second position in which they prevent said block indication means from indicating that the stretch is unoccupied, means operative on movement of the contacts of said electroresponsive means between their two positions to move the contacts of said auxiliary relay to their second position, and means effective when transmission of control codes to the traffic direction relays at both ends of the stretch is initiated for moving the contacts of said auxiliary relay to their first position.

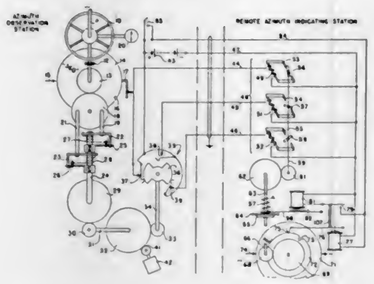
2,411,388
PATTERN AND METHOD OF FORMING BREAST FORMS
Helen N. Perl, New York, N. Y.
Application May 8, 1944, Serial No. 534,703
4 Claims. (Cl. 2—267)

1. The method of forming a pattern from which a breastform may be sculptured, which consists in first attaching a sheet of material over the human breast to be duplicated, cutting the sheet to form end and intermediate portions that remain united at the central portion of the sheet, then folding the end portions over onto the respective intermediate portions and securing the parts together in such overlapping relation so as to cause the pattern to conform to the shape of the breast, then indicating on the pattern the outline of the breast, then removing the formed pattern from the person's body, and using the



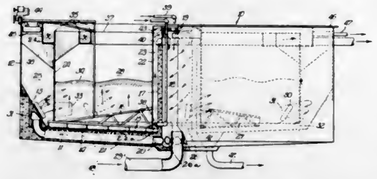
pattern as a model from which a breastform may be sculptured.

2,411,389
TELEMETRIC SYSTEM
Edward S. Peterson, Elmwood Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 11, 1943, Serial No. 501,956
1 Claim. (Cl. 177—337)



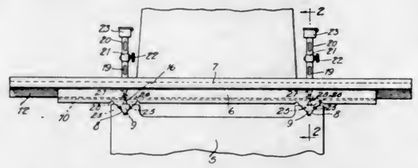
A telemetric system for reproducing angular displacement of a member in either direction comprising a transmitting station and a receiving station, a transmission channel interconnecting said stations, an angular displaceable indicator at each of said stations, an indexing point on said indicators, means at said transmitting station controllable responsive to angular displacement of said indicator thereat for transmitting a series of impulses over said transmission channel to said receiving station, means at said receiving station operable responsive to said series of impulses for angularly displacing the said indicator thereat an amount corresponding to the angular displacement of said transmitting station indicator, a control channel interconnecting said stations for placing said indicators in alignment, means at said transmitting station for at times energizing said control channel while said transmitting station indicator is angularly displaced a predetermined amount to control said angular displacement of said receiving station indicator over said transmission channel, and means at said receiving station controlled over said energized control channel for terminating angular displacement of said receiving station indicator at said indexing point thereby to align the said indexing points of said transmitting and receiving station indicators when the said predetermined angular displacement of said transmitting station indicator has been terminated and said control channel has been deenergized.

2,411,390
LIQUID TREATMENT
Frank D. Prager, Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., a corporation of Delaware
Application April 3, 1944, Serial No. 529,333
13 Claims. (Cl. 210—16)



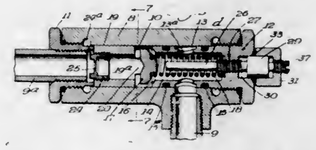
1. In a liquid treatment tank, a bottom having a substantially flat circular top surface for the uniform accumulation of settled sludge; a side wall upstanding from a peripheral part of said bottom; an annular baffle downwardly extending in the tank to define a channel outside said baffle and a clarification chamber inside the same, said baffle being so located that said channel has considerably less area than said chamber, and said baffle terminating above said bottom so that the lower part of said channel communicates with the lower part of said chamber; flow collector means in the tank, having an inlet in a lower, central portion of said chamber and comprising centrally located, annular wall means in the tank; a set of flow passages extending below said surface, communicating with and outwardly radiating from said flow collector means, and also communicating with said channel by means of discharge openings distributed along said channel, the total flow area of said flow passages being considerably less than that of said channel; means to circulate liquid from said clarification chamber into said flow collector means, outwardly through said flow passages, through said channel, inwardly over said surface, and back into said flow collector means; means to deliver liquid to be treated and any chemical reagents required into the circulating liquid; outlet means for treated liquid in the top of said chamber; a sludge outlet sump in said bottom; a sludge scraper assembly rotatably disposed over said surface to scrape sludge into said sump; and means to rotate said assembly.

2,411,391
LUBRICATING SYSTEM
Ladislaus Robaczynski, Brooklyn, N. Y.
Application April 3, 1943, Serial No. 481,685
6 Claims. (Cl. 184—5)



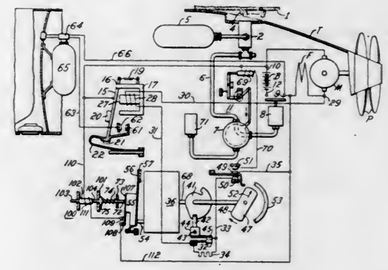
1. A lubricating system for lubricating a plurality of machine parts having relative movement through the medium of interengaging tracks and trackways having opposed contacting faces, said system including a plurality of open recesses disposed obliquely in one of said opposed contacting faces the open sides of which recesses are, under operating conditions, closed by the opposed contacting face, and gravity feed means carried by one of the movable machine parts for supplying lubricant to said recesses.

2,411,392
CONTROL MECHANISM FOR HYDRAULICALLY OPERATED DEVICES
William S. Saville, Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application June 26, 1943, Serial No. 492,430
5 Claims. (Cl. 137—152)



1. A valve for controlling the operation of a hydraulic motor remotely located from a source of fluid under pressure comprising, a casing provided with a longitudinally extending chamber constituting a cylinder, a pipe connected to one end of the casing and in communication with one end of the cylinder, a second pipe connected to one side of the casing and communicating with the cylinder, a removable head extending into the opposite end of the casing and the cylinder and fitting in the cylinder, and provided with a longitudinally extending recess and a valve seat at its inner end, a piston slidable in the cylinder and provided at its inner end with a closure for said seat, and a bore in communication with the cylinder, ports in the piston between the bore and the cylinder, a spring in the recess in the head for shifting the closure, and means in the head communicatively connecting the second pipe and the recess.

2,411,393
TIMER
Charles W. Smith, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 15, 1946, Serial No. 641,375
11 Claims. (Cl. 114—20)



1. In an electro-mechanical control system for controlling the buoyancy of an underwater device normally having a negative buoyancy, in combination, a chamber in the device containing a ballast liquid, a flask containing gas under pressure mounted on the device for connection to the chamber containing the ballast liquid, electric means for establishing fluid communication be-

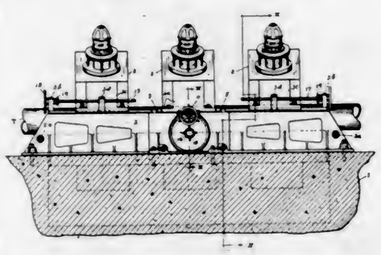
tween the chamber and flask, a pair of electric terminals normally energized at a substantially constant potential, electromagnetic means, responsive to the potential of said terminals, for energizing said electric means upon a selected decrease in the potential across said terminals, timing means, means responsive to the operation of placing the device under water for setting said timing means in operation, and electromagnetic means, responsive to a failure of the operation of said last named means for also setting said timing means in operation, said timing means being operable to automatically effect a decrease in potential across said terminals sufficiently, after a selected time period, to effect deenergization of said first named electromagnetic means to thereby effect the energization of said electric means.

2,411,394
TOY TRAIN COUPLER
Lawrence H. Strayer, Kent, Ohio
Application March 22, 1944, Serial No. 527,601
9 Claims. (Cl. 213—209)



1. In a coupler of the character described, a drawbar; an outwardly arched fixed jaw projecting forwardly from one lateral side of the forward end thereof, a vertical bar forming a T-head on the forward end of said fixed jaw; a swinging jaw hinged to the other lateral side of the forward end of said drawbar, said swinging jaw terminating in parallel prongs curved inwardly toward said vertical bar; parallel levers projecting laterally inward from the base of said swinging jaw, said fixed jaw positioned between said levers with the ends of the levers projecting laterally beyond the fixed jaw when the swinging jaw is in a closed position; and a spring catch for engaging one of said levers to hold the swinging jaw in a closed position.

2,411,395
ROUND STRAIGHTENER
John Blair Sutton, Bellefonte, Pa., assignor to Sutton Engineering Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 15, 1944, Serial No. 549,582
7 Claims. (Cl. 153—60)



1. A cross-roll straightening machine having plural four-roll passes; each pass assembly comprising a frame, means for mounting four cross-rolls with approximately equal angular spacing in said frame concentrically with the center line of a pass formed by the said rolls for the reception of round stock therebetween and means for driving at least one roll of said pass; means for adjusting at least one pass assembly as a whole transversely of the machine with respect to the pass line of the machine deflectingly to act on stock travelling through the machine, and means for adjusting at least one pass assembly as a whole longitudinally of the pass line.

2,411,396
REACTION PRODUCTS OF FORMALDEHYDE AND SODIUM CYANAMIDE
Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1943, Serial No. 507,182
9 Claims. (Cl. 260—69)

1. The process of preparing condensation products of sodium cyanamide and formaldehyde which comprises reacting, as the sole reactants, said compounds in substantially equimolar proportions in an aqueous alkaline reaction medium having a pH above 9 and approximately the pH of said aqueous solution of equimolecular proportions of sodium cyanamide and formaldehyde, the temperature during said reaction being maintained below about 25° C.

2,411,397
PRODUCTION OF SODIUM CYANAMIDE-FORMALDEHYDE CONDENSATION PRODUCT
Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 4, 1945, Serial No. 603,255
8 Claims. (Cl. 260—42)

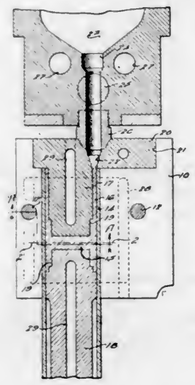
1. The process for the production of a sodium cyanamide-formaldehyde condensation product which comprises reacting, in aqueous solution and at a temperature below 45° C., approximately equimolecular amounts of monosodium cyanamide and formaldehyde, and precipitating the resulting product by the addition of sufficient strong acid to reduce the pH of the mixture to between 8 and 9.

7. The product obtained by the process of claim 1 admixed with 1% to 10% by weight of polyvinyl alcohol having a saponification number between 0 and 18.

2,411,398
PLASTIC MOLDING
David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 5, 1942, Serial No. 453,619
2 Claims. (Cl. 18—30)

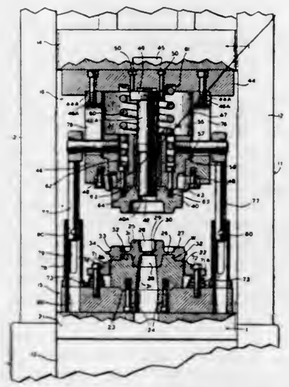
1. The method of manufacturing plastic containers having a tubular body and a closed end which comprises forming a cured tubular part from plastic material corresponding in length to the combined lengths of a pair of said containers, embracing said tubular part between die members having complementary cavities for receiving it, inserting a die into each opposite end of said tubular part to define a space therein between adjacent ends of said dies, injecting molten plastic into said space and into firm engagement with the wall portions of said tube surrounding said space, solidifying said plastic material under

pressure while in contact with said wall portions, and severing said tube intermediate the thickness



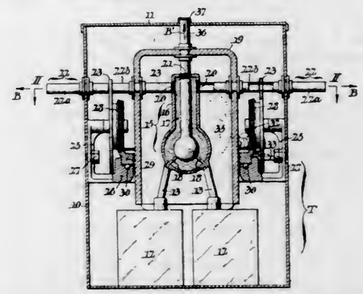
of said last injected plastic to produce a pair of containers each having a closed end.

2,411,399
APPARATUS FOR FINISHING FORGINGS
Alfred R. Walpole, Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application January 20, 1945, Serial No. 573,776
6 Claims. (Cl. 164—118)



6. In a combination punching and trimming apparatus for trimming the draft from the rim of a forging and for removing the slug and the draft from an opening that is to be formed in the forging, a die holder and an upper holder plate, leader pins and bushings guiding said holder plate for movement along a predetermined path toward and away from said die holder, a lower die mounted on said die holder in a fixed position and having surfaces thereon complemental to those lower surfaces of a forging that are to be maintained in proper form during punching and trimming of the forging, an upper die having lower surfaces complemental to those upper surfaces of a forging that are to be maintained in proper form during punching and trimming of the forging, an upper die holder upon which said upper die is secured, a mounting member having an enlarged central chamber therein in which said upper die holder is disposed, means securing the upper end of said mounting member on said upper holder plate, cooperating shoulders on said upper die holder and on said mounting member to limit downward movement of said upper holder relative to said mounting member, expansive coil spring means acting between said upper holder plate and said upper die holder to urge said upper die holder in a downward direction, said upper die and said upper die holder having aligned vertical bores therein, a punch fixed on said upper holder plate and extended downwardly through said upper die holder and into the opening in said upper die, a pair of slots formed in opposite sides of said mounting member and extended parallel to said punch, a pair of pins extended outwardly from said upper die holder through said slots on opposite sides of said upper die holder, a pair of links one of which is suspended from each of said pins, a pair of sleeves fixed on said lower die holder in alignment with said depending links and surrounding said links so that said links may move vertically therein, each of said sleeves having at least one vertical slot formed therein, and each of said links having a transverse pin therein extended outwardly through the slot in the sleeve in which the link is positioned, said slots and said pins being so related as to permit free downward movement of said upper die holder, but to limit upward movement of said upper die to thereby insure stripping of a forging from said punch.

2,411,400
SYSTEM FOR DIRECTING THE MOVEMENTS OF AIR AND/OR MARINE CRAFT
William Tuttle Weber, Lansdowne, Pa., assignor of one-half to Jacob Applebaum, Philadelphia, Pa.
Application July 23, 1943, Serial No. 495,824
16 Claims. (Cl. 250—11)

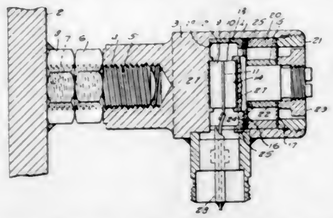


1. In a system of the character described, a transmitter for emitting a directional X-ray beam from a ship or a landing port; an X-ray detector for carriage on another ship or on an air craft to be guided; and means influenced by the output from said detector to directly indicate the distance of the latter from said transmitter.

2,411,401
ACCELEROMETER
William P. Welch, Arlington, Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1942, Serial No. 452,576
4 Claims. (Cl. 171—209)

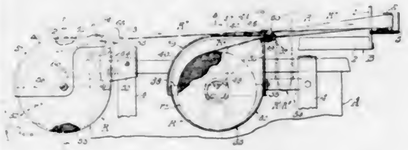
1. A device for detecting the movement of a body under a shock force comprising a housing for rigid attachment to said body, charge generating means for producing an electric impulse

in response to shock comprising a piezo-electric crystal seated within said housing, a mass having a surface engageable with said crystal, resilient means for biasing said mass into engagement with said crystal and forming therewith a vibratory



system of a natural frequency higher than that of the shock movements to be detected, and resilient means disposed between said mass and said housing for permitting said mass to remain substantially at rest when the device is subjected to shock.

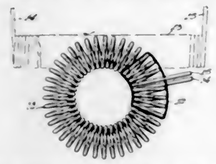
2,411,402
TYPEWRITING MACHINE
Frederick C. Wendt, Coplague, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application January 25, 1945, Serial No. 574,469
2 Claims. (Cl. 197—153)



1. In a typewriting or like machine, a platen; and means for mounting two ribbon rolls from which two ribbons respectively extend for being guided and fed along the printing line of said platen, said mounting means including two sections arranged in tandem so that the ribbon from one section extends past the other section, a cover mounted on said other section to move to open position to enable insertion and removal of a ribbon roll and to closed position, and a guide on said cover adjacent the point of egress of ribbon from said other section and through which ribbon from said one section is trained for being maintained in predetermined relationship to the ribbon extending from said other section.

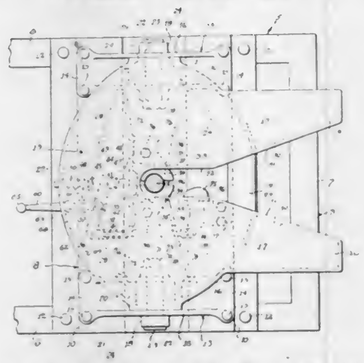
2,411,403
LINEAR COUPLER
Edward C. Wentz, Sharpsville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1942, Serial No. 442,128
5 Claims. (Cl. 175—21)

1. The process of forming a toroidal winding assembly which consists in winding several layers of insulated conductor on a form, and in placing relatively non-stretchable tapes between layers on one side of the winding turns and in placing relatively stretchable tapes of elastic material between layers of turns on the opposite side of the winding turns, in removing the form and in bending the assembly of winding turns so formed into a toroid in a manner to position the relatively non-stretchable tapes on the inner side of the toroid and the relatively stretchable tapes of elastic material on the outer side of the toroid,



so that, as the toroid is formed, the tapes of elastic material are elongated to equally space the winding turns of the toroid.

2,411,404
SAFETY JAW FOR FIFTH WHEEL ASSEMBLIES
Sidney B. Winn, Lapeer, Mich.
Application April 19, 1944, Serial No. 531,701
17 Claims. (Cl. 280—33.1)

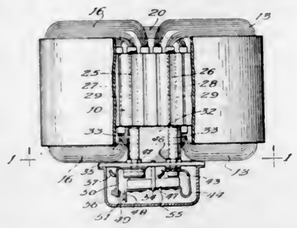


1. In a tractor-trailer vehicle combination, a coupling pin carried by one of said vehicles, a fifth wheel carried by the other of said vehicles having a slot to receive said coupling pin, a coupling jaw member on the fifth wheel for engaging said coupling pin, means engageable with said coupling jaw member for locking said member in draft relationship with said coupling pin, manually operable latch means for disengaging said locking means and to hold the same in a retracted position, and means extending into said slot engageable by said king pin when said king pin is passing out of said slot for tripping said disengaging means to again project said locking means into engagement with the coupling member after separation of said coupling member and pin and thereby position said coupling member for reception of said coupling pin to effect re-coupling of said tractor-trailer vehicle combination, said tripping means being responsive to the entry of said king pin for temporarily disengaging said locking means from said coupling jaw member and responsive to the locking engagement of said king pin by said coupling jaw member for being temporarily locked in an extended auxiliary locking position in said slot.

2,411,405
STARTER ARRANGEMENT FOR SPLIT-PHASE MOTORS
Marie Yuhas, Chicago, Ill.
Application December 3, 1943, Serial No. 512,696
1 Claim. (Cl. 172—279)

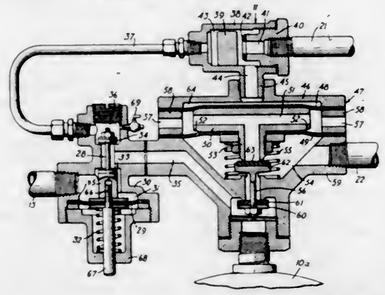
A switch for closing circuit through a starting winding of a split phase motor and opening said

circuit when the motor has started, said switch comprising magnetizable means in the core of the motor and projecting therefrom, an armature, spring means mounting said armature in proximity to the projecting part of said magnetizable means and operable to oppose attraction of said armature by the magnetizable means with a force capable of overcoming the attractive force of said means when energized by running current in the motor but incapable of holding the armature away from said means when said means



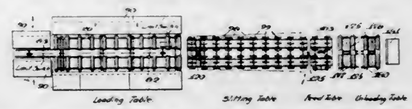
is energized by starting current in the motor, a stationary contact and a contact operably connected with said armature to engage the stationary contact only when the armature is attracted by said magnetizable means, said magnetizable means comprising a pair of bars of soft iron, each seated in a winding slot of the core that contains the main windings, the bars being in different poles of the motor core, and said armature being positioned to complete the magnetic circuit through said bars.

2,411,406
AIR BRAKE
Theodore H. Affleck, North Hollywood, Calif., assignor, by mesne assignments, to William A. Cooke, Hollywood, Calif.
Application February 21, 1944, Serial No. 523,211
8 Claims. (Cl. 303—63)



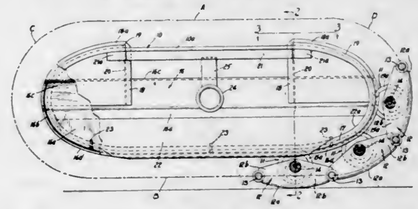
1. In a brake system of the character described, the combination of: fluid actuated means for applying the brake; means for delivering fluid to the fluid actuated means to apply the brake, comprising a fluid pressure operated valve for controlling the applying of fluid under pressure to said fluid actuated means; operator controlled means for applying fluid pressure to said fluid pressure operated valve to operate the same and thereby effect an application of the brake; an auxiliary valve operating automatically in response to emergency conditions to supply fluid pressure to said fluid pressure operated valve to operate the same and thereby apply the brake independently of the use of said operator controlled means; and means for holding in said fluid pressure operated valve the fluid pressure applied thereto by said auxiliary valve, the last mentioned means being operable in response to the operation of said operator controlled means subsequent to the operation of said auxiliary valve, for effectuating release of fluid pressure from said fluid pressure operated valve so that the brake will then release.

2,411,407
CONVEYER SYSTEM
Martin J. Anderson, Ellwood City, Pa., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania
Application May 9, 1944, Serial No. 534,772
9 Claims. (Cl. 198—82)



1. A conveyer system for handling and accurately positioning relatively large and heavy objects including a loading table and a slitting table arranged end to end for the transfer of the objects from one to the other, means for moving said loading table transversely of the longitudinal axis of the system to substantially align an object thereon with said slitting table, means for swinging said slitting table about a vertical axis to further align the object with respect to said longitudinal axis, and means for transferring the object from the loading table to the slitting table.

2,411,408
FRAME FOR CRAWLER TRACKS
Stewart F. Armington, Willoughby, Ohio, assignor to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application July 5, 1943, Serial No. 493,555
5 Claims. (Cl. 305—4)

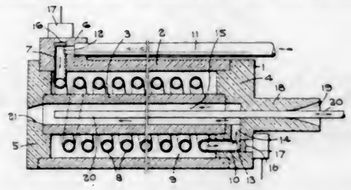


4. Track construction comprising an endless crawler track, an endless guide rail of generally elliptical form engaging said track to guide it, a box beam extending generally horizontally through the central portion of said elliptical form and rigidly connected between the opposite rounded ends of said guide rail, said box beam having generally vertical side walls, and said guide rails lying wholly laterally outside of said walls extended, whereby said box beam extends into immediate supporting position adjacent said rounded ends of said guide rail.

2,411,409
METAL SPRAYING APPARATUS
William Edward Ballard, Harborne, Birmingham, England, assignor to Metallisation, Limited, Dudley, England, a British company
Application August 22, 1944, Serial No. 550,507
In Great Britain August 30, 1943
7 Claims. (Cl. 91—12.2)

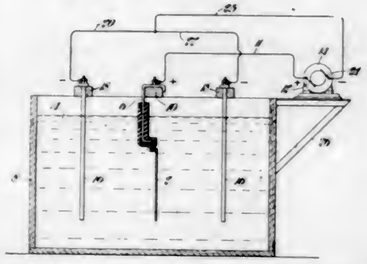
5. Apparatus for use in the melting and spraying of metal and the like, comprising an outer

tubular housing; an inner tubular member having a nozzle at one end; means for feeding metal into said inner tubular member toward its nozzle end; a hollow tubular induction heating coil disposed around said inner tubular member and enclosed within said tubular housing; a source of cooling



gas under pressure; an inlet port for said gas approximate the forward end of said housing; means for connecting said source of pressure cooling gas with said inlet port; and means in the rear of said tubular member for conducting the gas after traversing the coil into and forwardly through said inner tubular member.

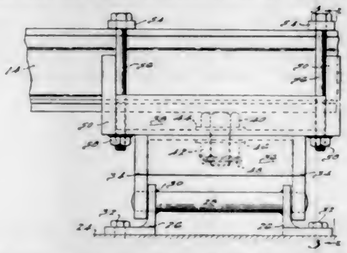
2,411,410
ELECTROPOLISHING STAINLESS STEEL
Glenwood J. Beckwith, Brecksville, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 14, 1941, Serial No. 398,159
3 Claims. (Cl. 204—140)



3. The process of producing highly polished surfaces on corrosion-resistant chromium steels, which consists in making the steel an anode in an aqueous electrolyte consisting of approximately 80% by volume of phosphoric acid of 85% grade, together with approximately 15% by volume of 60° Baumé sulphuric acid, and about 5% by volume of a soluble pyridine compound, providing suitable cathodes to assure uniform current flow from all parts of the steel anode, and passing a current through the resulting cell of sufficient density and for a sufficient length of time to effect a polish on the said steel surface.

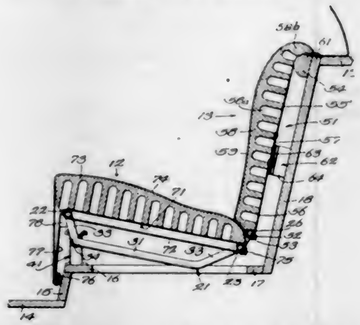
2,411,411
VEHICLE TOWING DEVICE
Francis E. Blair, Van Dyke, and Irving Lada, Detroit, Mich.
Application May 26, 1945, Serial No. 596,008
5 Claims. (Cl. 280—33.1)

1. A vehicle towing device of the character described comprising, in combination, bracket means adapted to be secured to a towing vehicle providing a pair of laterally spaced pintles, a plate member pivotally mounted upon each of said pintles, an angularly sectioned member having a flat upper face interposed between and fixed to said plate members, a second angularly sectioned member having a flat lower face arranged in flat contacting relationship with respect to said flat face of said first-mentioned angularly sectioned member, means forming a pivotal connection between said angularly sectioned members about an axis perpendicular to said faces



thereof, a plate member fixed to each end of said second-mentioned angularly sectioned member and provided with an axle receiving notch therein, and clamping means associated with said second-mentioned angularly sectioned member arranged to clamp an axle within said notches.

2,411,412
SEAT STRUCTURE
George W. Blair and John F. Schott, Mishawaka, Ind., and Wendell E. Faulk, Grosse Pointe, Mich., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application May 17, 1943, Serial No. 487,248
5 Claims. (Cl. 155—53)



1. A seat structure of the class described comprising a supporting frame, a seat back comprising a panel of soft flexible yieldingly extensible material attached at its upper end to said supporting frame and a seat bottom comprising a frame fulcrumed near its front to said supporting frame and attached at its rear to the lower end of said panel, said panel being the sole support for the rear end of and held outstretched by the seat bottom frame, and the latter being resiliently supported thereby.

2,411,413
RESINOUS VULCANIZATION ACCELERATORS
Elmer W. Cook, New York, N. Y., and Edwin O. Hook, Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 23, 1944, Serial No. 527,827
8 Claims. (Cl. 260—70)

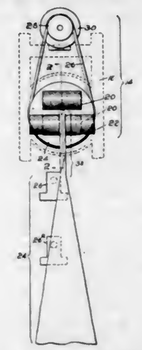
2. As a vulcanization accelerator, the resinous product obtained by fusing 2–8 mols of a para-

formaldehyde and 2–8 mols of mercaptobenzothiazole with one mol of the reaction product of 1–2 mols of zinc chloride and one mol of a guanidine having the formula

$$R-\overset{H}{N}-\overset{NH}{C}-NH_2$$

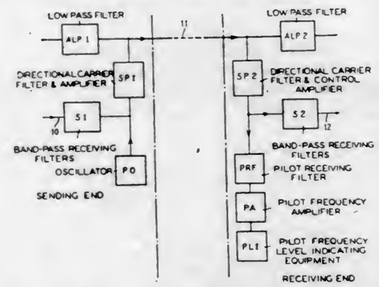
in which R is an aryl radical.

2,411,414
METHOD OF AND APPARATUS FOR HANDLING FABRIC WEBS
Percy Cook, Waltham, Mass.
Application December 19, 1944, Serial No. 568,883
15 Claims. (Cl. 57—1)



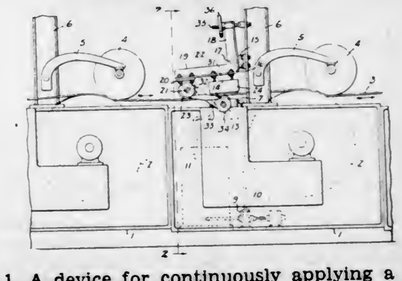
1. The method of handling a fabric web, which is characterized by the cooperation of the manipulative steps of moving the web lengthwise while at the same time controlling its twist by directing units of matter transversely of the web, and utilizing alternate interception and non-interception of the units of matter to influence the twisting action.

2,411,415
TELECOMMUNICATION SYSTEM
Percy Edward Alexander Cowley, Coventry, and Eric Clifford Walls, Liverpool, England, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
Application December 3, 1943, Serial No. 512,816
In Great Britain January 20, 1943
4 Claims. (Cl. 178—44)



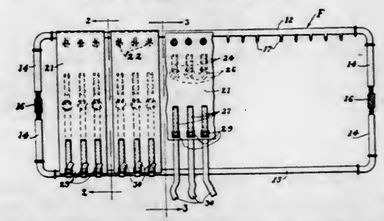
1. In a telecommunication system, a compensating arrangement comprising in combination a communication channel, a pilot frequency oscillator connected to one end of said channel, a filter circuit having a positive loss/temperature coefficient, said filter circuit being sharply tuned to the frequency of said pilot frequency oscillator and connected to the other end of said channel, an amplifier for amplifying said pilot frequency after its passage through said filter, temperature-responsive means in said amplifier, means controlled by said temperature-responsive means for automatically altering the gain of said amplifier so as to compensate for the increased loss in said filter with increase of temperature, and an indicator connected to the output of said amplifier for indicating the level of said pilot frequency.

2,411,416
PAPERMAKING APPARATUS
Frederick A. Dieckbrader, Toronto, Ontario, Canada, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application October 6, 1943, Serial No. 505,169
4 Claims. (Cl. 92—41)



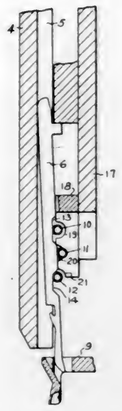
1. A device for continuously applying a layer of filling material to paper stock adhering to the underside of the felt during its travel between cylinders at the wet end of a cylinder paper machine comprising an applicator roll beneath the felt, means for maintaining a coating of filling material upon the surface of said roll, a suction box overlying the roll and extending transversely across the felt and engaging the top of the felt above said roll adjacent the point of engagement of the felt with said roll for maintaining a suction upon paper stock engaging said roll, a pressure roll parallel with the suction box and in engagement with the top of the felt adjacent the box, and means for simultaneously raising or lowering said pressure roll and suction box.

2,411,417
FRACTURE FRAME STRAP
Anna B. Eckl, Quincy, Mass.
Application June 21, 1945, Serial No. 600,673
9 Claims. (Cl. 5—89)



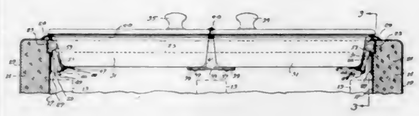
1. A fracture frame strap comprising a body having an opening at one end portion thereof, a holder attached to the under surface of said body, a fastening member attached to said body at the upper surface thereof, and a band attached to the under surface of said body and being of sufficient length to extend therefrom to said holder and back to said fastening member.

2,411,418
SLIDER MECHANISM
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application February 1, 1946, Serial No. 644,786
2 Claims. (Cl. 66—14)



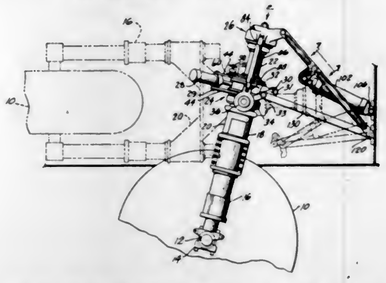
1. For a circular, independent needle, knitting machine having coaxial cylinders provided with needle slots, the combination of identical groups of sliders within the slots and each slider being adapted to move longitudinally thereof and to be swung outwardly thereof, a plurality of resilient means surrounding said cylinder for maintaining said sliders within their slots regardless of their longitudinal position, means for swinging the lower end of each slider outwardly from its slot adjacent the lower end of its longitudinal travel, each of said sliders being provided with one or more depressions in its outer edge so positioned that each slider will have operative contact with only a single one of said resilient means when outswung.

2,411,419
REFRIGERATING APPARATUS
Alvah V. Frohnapel, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application January 26, 1945, Serial No. 574,779
4 Claims. (Cl. 160—187)



1. A roll-back cover for ice cream cabinets comprising, a pair of cover panels, hinge means substantially in the plane of the lower surfaces of said panels joining said panels in a relatively movable relation with one edge of each panel adjacent to one edge of the other panel, handle means on the upper sides of said panels adjacent the hingedly joined edges for simultaneously lifting these edges of the panels and causing the two panels to fold together with the outer edges adjacently disposed.

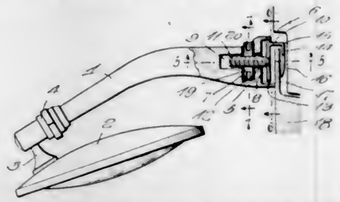
2,411,420
LANDING GEAR
Charles S. Glasgow, West Los Angeles, and Charles G. Brown, Santa Monica, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application December 24, 1942, Serial No. 470,320
11 Claims. (Cl. 244—102)



1. In a landing gear for an aircraft, the combination of: a main load strut carrying ground engaging means; a first means for mounting the strut on the aircraft structure in landing position and for rotation on its longitudinal axis; a first radial arm rotatable on said strut; a second means for securing said first arm to said mounting means for rotational immovability about its axis with reference to said mounting means; a second radial arm on said strut; a third means for rotationally immovably securing said second arm to said strut; and a link means connecting said arms and variable in length under the control of the pilot for imparting a relative angular movement to said arms.

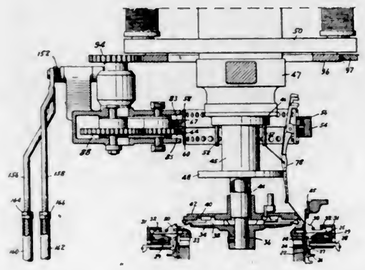
6. In a landing gear, the combination of: a pair of shock absorbing struts; a wheel mounted for rotation therebetween; means joining the upper ends of said shock absorbing struts and extending upward therebeyond in a single leg nonrotatably related to said struts; means supporting said leg for relative rotation on its longitudinal axis and on an axis transverse thereto; means eccentric of said longitudinal axis interconnecting said leg and supporting means and adapted to rotate said leg on its longitudinal axis over a limited angular travel substantially simultaneously with a corresponding limited rotation of said leg about said transverse axis; and means attached to said leg above said supporting means for rotating said leg about said transverse axis.

2,411,421
AUTO MIRROR BRACKET
Harry Golden, New York, N. Y.
Application October 25, 1945, Serial No. 624,531
4 Claims. (Cl. 248—226)



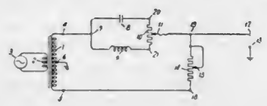
1. In a rear view mirror, a bracket having an enlarged inner end portion forming a foot, said foot having a pocket at its outer end divided from an inner pocket by a wall formed with an opening, the inner pocket being open at one side, said foot being also formed with a longitudinally extending socket communicating with the inner pocket and aligned with the opening in the wall, a clamp movable into and out of the outer pocket, said clamp being U-shaped in cross section to provide a bridge and inner and outer flanges, a threaded stem extending from the inner flange of said clamp through the opening in the wall and through the inner pocket into said socket, and a nut threaded upon said stem, said nut being disposed within the inner pocket and having a marginal portion projecting through the side opening of the pocket, the marginal edge face of the nut being milled and there being sockets leading from the marginal edge face of the nut in spaced relation to each other circumferentially thereof.

2,411,422
KNITTING METHOD AND MACHINE
Ivan W. Grothey, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application September 29, 1942, Serial No. 460,048
38 Claims. (Cl. 66—135)



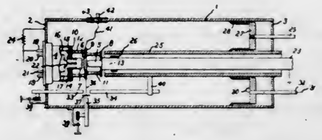
1. A circular knitting machine comprising a needle cylinder, needles slidable in said cylinder, means for feeding a main yarn to said needles, at least two means for feeding wrap yarns to needles, means for effecting simultaneous rotation of the needle cylinder and said wrap yarn feeding means, and means for effecting independent shogging movements of said wrap yarn feeding means relative to the needle cylinder, the last named means comprising intermittently and independently movable planet gears in trains between the needle cylinder and said wrap yarn feeding means.

2,411,423
PHASE SHIFTING CIRCUIT
Heath R. Guptill, Washington, D. C., assignor to General Electric Company, a corporation of New York
Application May 9, 1944, Serial No. 534,769
3 Claims. (Cl. 172—238)



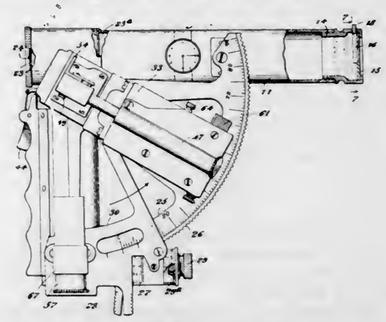
1. In combination, a source of alternating voltage having a pair of output terminals balanced with respect to ground, a load connected between ground and one of said terminals through a variable resistance, a pair of reactances connected in series through a resistor, said reactances having a common point connected to the other of said terminals, and means connecting said load to a variable point of said resistor.

2,411,424
ULTRA HIGH FREQUENCY SPACE RESONANT SYSTEM
Anatole M. Gurewitsch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 28, 1943, Serial No. 473,875
10 Claims. (Cl. 315—39)



10. An ultra high frequency resonator comprising a hollow metallic cylinder providing a resonator, an electric discharge device of generally cylindrical configuration within said resonator and including a plurality of electrodes comprising an anode, a cathode and a grid, an anode connecting rod within and extending axially of said cylinder, a tubular conductor about said connecting rod and displaced radially therefrom, filtering means supported by said connecting rod for offering a high impedance to the flow of electromagnetic energy within the space between said anode rod and said tubular conductor, adjustable means between said cylinder and said tubular conductor for controlling the effective electrical length of said resonator, and means for controlling the voltage impressed across said grid and said cathode comprising an adjustable radial stub extending within said cylinder.

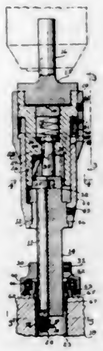
2,411,425
OBSERVATION AND ANGLE-DETERMINING INSTRUMENT
Frederick H. Hagner, San Antonio, Tex., assignor to Archbold-Hagner Instrument Laboratory, Inc., a corporation of Delaware
Application December 5, 1940, Serial No. 368,698
10 Claims. (Cl. 33—206)



9. An angle-recording device of the class described comprising a casing having a pronounced longitudinal extent, a retractible missile-supporting means longer than it is wide, said retractible

missile-supporting means carried near one end of said casing, a free-falling missile releasably held by said missile-supporting means, said missile-supporting means mounted for bodily sliding longitudinal movement with respect to said casing in a direction away from the missile to release the missile, a recording means carried near the opposite end of said casing, said missile being adapted to impact with said recording means to indicate the angle of incline and the angle of sidewise tilt of the casing during impact, means for releasing the missile from the supporting means, means for feeding a missile to the supporting means, a missile reservoir, and means for releasing the missiles from the reservoir one by one to be fed to the supporting means.

2,411,426
INTERNAL FORMING DEVICE
Kenneth J. Hall, Worcester, Mass., assignor, by mesne assignments, to The Elliot Company, Worcester, Mass., a corporation of Massachusetts
Application March 29, 1944, Serial No. 528,522
7 Claims. (Cl. 77—58)



1. An internal forming device comprising a tool supporting head arranged for a relative rotary movement with respect to an internal surface of a work piece, a spindle slidably keyed to the head, a tool shaft rotatably mounted on the spindle with its axis parallel to and at a fixed distance from the spindle axis, a forming tool projecting laterally from the end of the shaft which is moved into and out of contact with the work surface by rotating the shaft relative to the spindle, a cam and a follower, one being slidably carried by the head and the other connected to the shaft so that relative movement of the head axially of the spindle causes the tool to be forced against the internal work surface, and a limit stop for the spindle which causes axial pressure on the head to turn the tool shaft.

2,411,427
AGE RESISTORS FOR RUBBER
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application March 1, 1944, Serial No. 524,631
2 Claims. (Cl. 260—808)

1. The method of treating rubber which comprises vulcanizing it in the presence of 1-(p-hydroxyphenylamino-methylene)-β-naphthol.

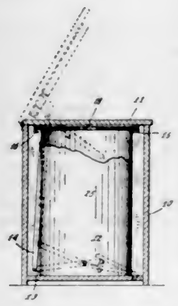
2,411,428
AROMATIC SUBSTITUTED METHYL ALKYL ETHERS AS INSECTICIDES
Ingenuin Hechenbleikner, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 31, 1940, Serial No. 338,047
1 Claim. (Cl. 167—30)

A method of combatting insect pests which includes exposing them to the action of a toxic amount of a composition containing as an essential active ingredient triphenylmethyl methyl ether.

2,411,429
TREATMENT OF CELLULOSIC TEXTILE MATERIALS
Horace James Hegan, Coventry, and Edwin Holroyd Sharples, Kenilworth, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application November 6, 1944, Serial No. 562,264. In Great Britain January 12, 1944
4 Claims. (Cl. 57—157)

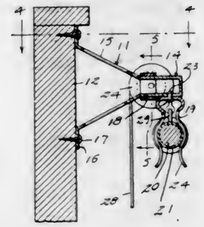
1. In the production of a dyed twisted cellulose yarn the combination with the steps of drying, twisting, setting the twist by a steaming operation and dyeing, of a preliminary step of treatment in water under pressure at a temperature above 100° centigrade to stabilise the dyeing affinity of the yarn against the effects of uneven steaming.

2,411,430
DIAPER CONTAINER
Hollis C. Hodson, Plainfield, Ind.
Application September 7, 1945, Serial No. 614,983
3 Claims. (Cl. 220—17)



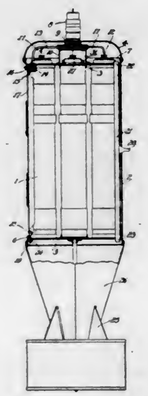
1. A sanitary container comprising a primary container having an open upper end, a secondary container having an open upper end and receivable in said primary container with its open upper end spaced slightly below said upper end of said primary container, a movable cover for said primary container, an open-mouthed guideway carried by the under side of said cover, and a composite secondary cover slidably receivable in and supported by said guideway, said secondary cover comprising a rigid body plate and a removable washable cover for said plate, the thickness of said secondary cover being less than the vertical freedom of the guideway so that, when the primary cover is closed, the secondary cover may be engaged by the secondary container and raised from support by the guideway.

2,411,431
CURTAIN HANGER
James Howard, Jr., Fairfield, and Albert C. Noland, Pratt City, Ala.
Application July 9, 1945, Serial No. 603,847
3 Claims. (Cl. 160—339)



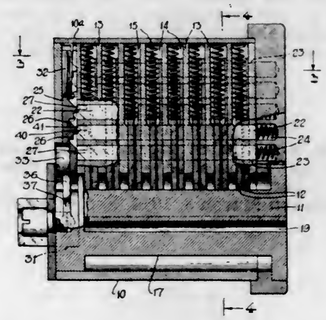
1. A curtain hanger comprising a pair of bracket members, a downwardly directed resilient clip carried by each member, a curtain rod engageable with said clips, and means carried by said bracket members and connected to said rod for elevating or lowering said rod.

2,411,432
AERIAL BOMBS, PYROTECHNIC DEVICES, AND THE LIKE
Jack Imber, Greenford, England
Application April 10, 1944, Serial No. 530,344
In Great Britain May 31, 1943
9 Claims. (Cl. 102—7.2)



2. An assembly of aerial devices having fuzes for igniting them and adapted to be dropped from an aircraft, including end retaining elements adapted to engage the ends of said aerial devices, detachable interconnecting elements disposed between said end retaining elements to hold the assembly together as a unit, means for igniting the fuzes of said aerial devices, a propellant explosive carried by the assembly, devices adapted to be actuated by the propellant explosive to remove said interconnecting elements and enable said aerial devices to disperse, and common ignition means for said fuzes and for detonating said propellant explosive.

2,411,433
LOCK
Theodore H. Johnstone, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application April 18, 1944, Serial No. 531,530
37 Claims. (Cl. 70—421)

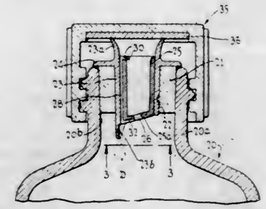


1. In a lock, a series of tumblers movably mounted therein relatively to said cylinder and adapted to be key set, a plurality of lock control members movably mounted in said lock, the setting of said tumblers in one composite position releasing one of said lock control members for movement, while the setting of said tumblers in another composite position for releasing another of said lock control members positions said tumblers to leave the first lock control member locked.

2,411,434
PREPARATION OF CHEMICAL COMPOUNDS
Morris Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill.
No Drawing. Application October 7, 1942, Serial No. 461,227
14 Claims. (Cl. 260—404)

1. A method of preparing reaction products having good color and good wetting-out properties which comprises providing a dilute aqueous solution of an hydroxy-alkyl amine, maintaining said solution at low temperatures, adding thereto a carboxylic acid acyl halide while preventing a rise in temperature substantially beyond 40 degrees C. and neutralizing the hydrohalic acid which forms during the reaction.

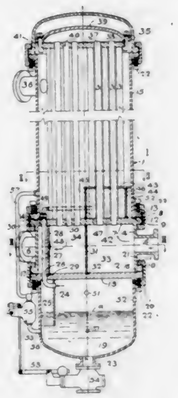
2,411,435
LIQUID DISPENSING DEVICE
Samuel Kirschenbaum, Brooklyn, N. Y.
Application January 8, 1943, Serial No. 471,654
12 Claims. (Cl. 222—421)



1. In a drop device of the class described, the combination of a container for liquids having a dispensing opening, a tubular member in said

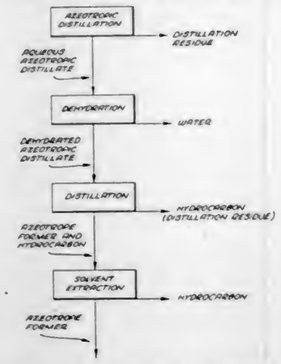
opening, said tubular member having a bottom wall and being open at the top, an aperture in said bottom wall communicating with the interior of said container and with the interior of said tubular member, a capillary groove in the outer wall of said tubular member, a slit in the wall of said tubular member extending downwardly from the top thereof, said slit communicating with said capillary groove, and a portion of the wall surrounding said dispensing opening extending beyond the top of said tubular member.

2,411,436
HEAT EXCHANGER
Sigmund Kopp, Glen Rock, N. J., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application March 3, 1944, Serial No. 524,859
2 Claims. (Cl. 257—28)



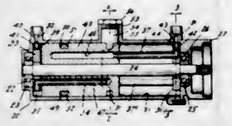
1. A heat exchanger apparatus comprising a vertical shell having an inlet for a condensable fluid; a tube sheet closing the bottom of said shell; tubes for a condensing fluid in said shell secured at their bottoms in orifices in said tube sheet; a channel beneath said shell for said tubes provided with an inlet and an outlet for said tube fluid and having a bottom wall and having, as a top wall, said tube sheet; a receiver beneath said bottom wall; a conduit for conveying condensate and uncondensed fluid from said shell to said receiver opening at its top to said shell and opening at its bottom into said receiver at a point substantially below said bottom wall; means for draining said condensate from said receiver operable to maintain received condensate at a depth to keep said conduit bottom covered and to maintain a space in said receiver above said received condensate for said uncondensed fluid; and means for condensing at least a portion of said uncondensed fluid in said space including a relatively small low temperature condensing chamber in said shell, adjacent a portion of said tube sheet adjacent said channel inlet, through which inlet portions of at least some of said tubes extend, said chamber being open at its bottom to the bottom of said shell exterior of said chamber for flow of chamber condensate to said conduit, and a pipe connecting said space with said chamber for flow of said space uncondensed fluid to said chamber, said chamber being vented to the exterior of said shell for removal of uncondensed fluid from said chamber.

2,411,437
RECOVERY OF AQUEOUS AZEOTROPE FORMER IN AZEOTROPIC DISTILLATION OF HYDROCARBONS
George R. Lake, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 18, 1941, Serial No. 415,568
8 Claims. (Cl. 202—42)



1. In a process for the treatment of a complex hydrocarbon fraction to separate chemically similar hydrocarbon components therefrom from other hydrocarbon components contained therein in which ordinarily distill from the hydrocarbon fraction in the same temperature range as said chemically similar hydrocarbon components distilled therefrom which comprises distilling said complex hydrocarbon fraction in the presence of a sufficient amount of an azeotrope former and water to produce an azeotropic distillate consisting of at least one class of the chemically similar components contained in said complex hydrocarbon fraction together with said azeotrope former and water, thereby leaving at least one class of chemically similar components different from said chemically similar components contained in said azeotropic distillate contained in said complex hydrocarbon fraction in the residue, the steps of dehydrating said azeotropic distillate with a dehydrating agent, that bodily removes water separating the remaining azeotropic distillate from the dehydrating agent and water and fractionally distilling said dehydrated azeotropic distillate to separate the azeotrope former from hydrocarbons.

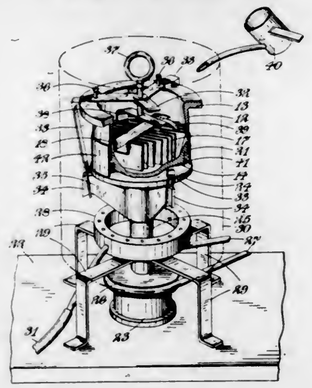
2,411,438
PUMP
Fred A. Lane, Shelburn, Ind., assignor to Lane Motors Incorporated, Shelburn, Ind., a corporation of Indiana
Application December 18, 1942, Serial No. 469,386
9 Claims. (Cl. 103—158)



1. Pumping mechanism comprising a housing, a shaft journalled in said housing, a member slidably sleeved on said shaft within said housing and reciprocable therein, said member being formed with a continuous peripheral cam groove, means carried by said housing and held against movement axially of said housing and engaging

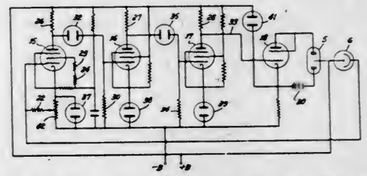
in said cam groove to convert rotation of said member into reciprocation thereof axially of said housing, a series of peripherally spaced, axially-extending cylinders formed in said member and opening through one end thereof, a corresponding series of tubular pistons supported from said shaft and each having an end snugly slidably received in one of said cylinders, said pistons being fixed relative to said shaft, each of said tubular pistons having a radially opening mouth remote from that end thereof received in a cylinder, said member further being formed with a second series of peripherally-spaced, axially-extending cylinders opening through the other end of said member and peripherally staggered with respect to said first-named series of cylinders, a second corresponding series of tubular pistons supported from said shaft adjacent that end of said housing remote from the support of said first-named series of pistons, each piston of said last-named series having an end snugly slidably received in one of the cylinders of said last-named series, said last-named series of pistons being fixed relative to said shaft and each having a radially opening mouth remote from that end thereof received in a cylinder, fluid inlet means providing communication between a source of fluid to be pumped and both ends of said housing, and fluid outlet means opening from each end of said housing, said mouths of said tubular pistons communicating alternately with said fluid inlet means and said fluid outlet means during rotation of said shaft.

2,411,439
BRAZING, SOLDERING, OR THE LIKE PROCESS
George Herbert Lee, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application June 9, 1944, Serial No. 539,577
In Great Britain April 6, 1943
1 Claim. (Cl. 113—112)



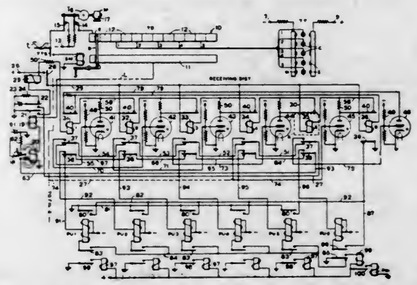
A brazing process for simultaneously uniting a plurality of cooling fins to the base of a junkhead of a sleeve-valve internal combustion engine and the base to a tubular wall of the head comprising assembling the fins to the base and the base to the wall, introducing a flux to the assembled head, heating the assembled head and simultaneously rotating it to wash the adjoining faces of the fins and the base and of the base and the wall, introducing a brazing material to the head, rotating the latter at a varying speed whilst continuing to heat the head to cause the molten material to flow over the junction of the fins and the base and of the base and the wall, cooling the head, and controlling the speed of rotation during the cooling step to determine the form of the brazing joint between the fins and the base and between the base and the tubular wall.

2,411,440
LIGHT SOURCE FEED-BACK SYSTEM
Wilbur R. Le Page, Pikesville, Md., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1943, Serial No. 485,255
5 Claims. (Cl. 250—41.5)



3. A feedback amplifier system for stabilizing a light source comprising a photocell, an input stage of amplification having its input circuit connected to said photocell, a coupling resistor in said input circuit, a light source to be controlled, an output stage of amplification having its output connected to said light source, coupling means between said amplifying stages, said coupling means having a low value of resistance, a polarizing source of voltage for said photocell and the anodes of the tubes in said amplifying stages, and a series circuit from said polarizing source of voltage through said photocell through said coupling resistor and back to said polarizing source for coupling said photocell to said input stage of amplification, the value of said coupling resistor being of the order of 10,000 ohms.

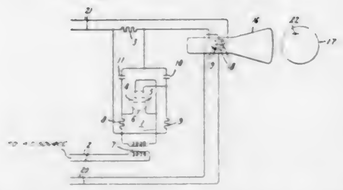
2,411,441
TELEGRAPH RECEIVING DISTRIBUTOR SYSTEM
Everett R. Leroy, New York, and George L. Bush, Flushing, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application July 28, 1944, Serial No. 547,001
15 Claims. (Cl. 178—53.1)



1. In a telegraph system in which permutation code signals are transmitted by marking and spacing pulses separated by intervals, a receiving distributor circuit responsive to said pulses comprising a plurality of gas-filled discharge tubes having control electrodes, relay means responsive to said marking and spacing pulses for applying a firing potential to the control elec-

trodes of said tubes as the marking and spacing elements of each signal are received, transfer relays controlled by the anode circuits of said tubes for connecting said relay means to said tubes successively to cause the tubes to fire in predetermined order, and means controlled jointly by said relay means and said tubes for storing the marking and spacing code elements of each character signal received.

2,411,442
PULSE GENERATOR
Raymond C. Locke, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1943, Serial No. 512,473
4 Claims. (Cl. 250—27)



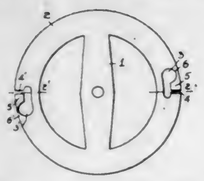
3. The combination, in a system to generate pulses spaced apart in time and alternating in polarity, of a pair of electron discharge devices, means to supply alternating current to said devices to render said devices alternately conducting, means responsive to current in said devices to produce a bias opposing the flow of current in said devices until overcome by the alternating potential supplied by said first means whereby the pulses of current flowing in said two devices are spaced apart by a desired time interval, a load circuit, and means to supply to said load circuit potential of constant magnitude during said desired time intervals and varying in opposite directions from said magnitude in response to said current pulses in the respective devices.

2,411,443
MANUFACTURE OF SOAP
Lyle J. Lofdahl, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 1, 1944, Serial No. 533,645
10 Claims. (Cl. 260—398.5)

7. A stable soap product, comprising soap and a small amount of stannic borate stabilizer incorporated therein.

2,411,444
BALANCE WHEEL
Marcel Maistre, Neuchatel, Switzerland
Application July 10, 1943, Serial No. 494,159½
In Switzerland July 13, 1942
1 Claim. (Cl. 58—107)

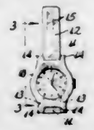
A balance wheel for clocks and watches comprising a metal rim of uniform radial width and spokes integral with and consisting of the same metal as said rim, a fragment of said rim being partly detached from the body thereof by an incision in the latter, said fragment being connected with said body by a deformable narrow bridge portion of sufficient mechanical strength to prevent displacement of said fragment relative to said body under the action of the centrifugal force operating upon the balance wheel, but permitting forcible radial displacements of said fragment for the purpose of regulating the arc of movement of the balance wheel.



2,411,445
TREATMENT OF YEAST TO ENHANCE VITAMIN POTENCY THEREOF
Ben Maizel, Chicago, Ill., assignor to Vico Products Company, Chicago, Ill.
No Drawing. Application February 13, 1943, Serial No. 475,763
4 Claims. (Cl. 195—78)

4. A method of substantially increasing the normal vitamin B_1 and riboflavin content of live, wet brewer's yeast which comprises maintaining said live, wet brewer's yeast, in the presence of a limited food supply, at a temperature between about 32 degrees F. and about 50 degrees F. for a period of not substantially less than a week, whereby there is brought about an increase of at least 50% in the vitamin B_1 content and an increase of generally corresponding character in the riboflavin content of the yeast cells.

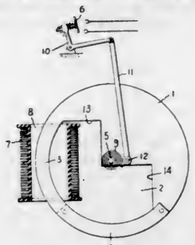
2,411,446
ANCHOR WATCH STRAP
Solomon Mars, New York, N. Y.
Application June 22, 1944, Serial No. 541,621
2 Claims. (Cl. 224—4)



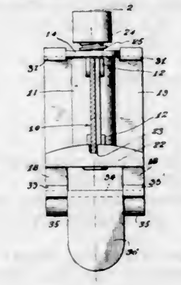
1. An anchor watch-strap, comprising a strap-like member having anchor-like projections on the sides of the bottom of one of its ends for engaging the bottom lugs which support the bottom one of the spring bars of a watch when said strap-like member is laced by starting with said end at the back of the watch and continuing over and around the front of said bottom bar and up the back of said watch whereby said member may then be laced under and up the front of the top bar of said watch, and means for attaching the top end of said member with an article of one's clothing.

2,411,447
SHOCKPROOF SWITCH
Joseph W. McClain, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 2, 1944, Serial No. 552,406
2 Claims. (Cl. 200—111)

1. A shockproof switch comprising a disc member made of non-magnetic material provided with a substantially semi-circular strip defining one half of the disc member, a portion of said strip being made of magnetic material, a central pivot for said disc member about which said disc member is statically balanced, a coil surrounding said strip, means biasing said disc member to a position in which the non-magnetic portion of said strip extends through said coil whereby when said coil is energized said disc member is rotated substantially 90 degrees thereby to bring said magnetic portion of said strip into an attracted position with respect to said coil, circuit control means, a link connecting said circuit control means with said disc member, said link being connected to a pivot on said disc member in such position that when said disc member is in said attracted position said link lies along a radius of said disc member whereby a force applied by said link to said disc member is ineffective to produce rotation of said disc member.



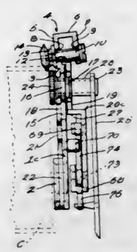
2,411,448
BRACKET SUPPORT
Robert E. McLean, Fort Benning, Ga.
Application November 6, 1943, Serial No. 509,303
9 Claims. (Cl. 248—289)



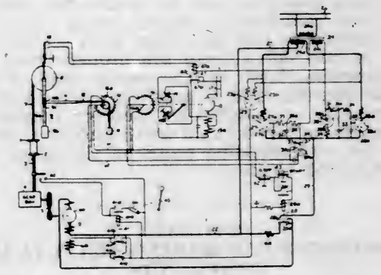
1. A mounting of the character described comprising a plate designed to be fixed to a support and having spaced upper and lower forwardly extending arms terminating at their free ends respectively in downwardly and upwardly turned lips, an article supporting plate of a length to be positioned vertically between said arms and engaged at its top edge behind the down turned lip of the upper arms, and means at the lower edge of the article supporting plate for engagement upon the lower arms and behind the upturned lips thereof.

2,411,449
ROTARY TYPE CAN OPENER
Robert E. McLean, Fort Benning, Ga.
Application December 3, 1943, Serial No. 512,794
5 Claims. (Cl. 30—9)

1. A rotary type can opener comprising a body, a cutter carried by the body, a rotary can driving wheel supported on the body for movement relative to the cutter, a crank for turning the wheel, a thrust means for effecting relative movement between the wheel and cutter, an arm connected with said thrust means for oscillatory movement around the axis of turning for the crank, a trigger link carried by and extending substantially transversely of the outer end of the arm, a trigger carried by the link and extending radially beyond the outer end of the arm, a latch finger pivotally attached at one end to said link and extending substantially longitudinally of the arm, a keeper member carried by the arm and adapted for operative connection with the free end of said latch finger for opposing oscillation of the trigger link, a trip member carried by the body in the path of movement of said latch finger for effecting shifting of the latch finger from connection with the keeper, and means carried by the crank for engagement with the trigger upon turning of the crank whereby rotation of the arm and crank as a unit is effected, said trigger being released from the crank carried means upon disengagement of the latch finger from said keeper.

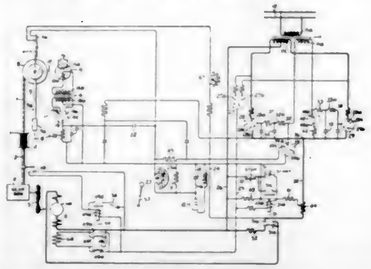


2,411,450
MATERIAL TESTING APPARATUS
Charles E. Miller, Scotia, and Robert J. Demartini, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application July 28, 1944, Serial No. 547,071
16 Claims. (Cl. 73—90)



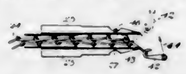
1. In combination, a material testing machine, an electric motor for driving said machine to apply a load to a material specimen, a reference speed device and means responsive to the difference between the speed of said reference speed device and the rate of application of load to said material specimen for controlling said motor to equalize said rate and said speed.

2,411,451
CONTROL APPARATUS FOR TESTING MACHINES
Robert J. Demartini, Schenectady, and Henry H. Leigh, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application March 31, 1945, Serial No. 585,962
11 Claims. (Cl. 73—90)



1. Control apparatus for a material testing machine comprising an electric motor for applying a load to a material specimen, a source of reference voltage, means for producing a voltage varying with the load applied to said specimen, means for deriving from said varying voltage a signal voltage corresponding to the rate of application of load to said specimen, and means responsive to the difference of said reference voltage and said signal voltage for controlling said motor to maintain the rate of application of load to said specimen constant.

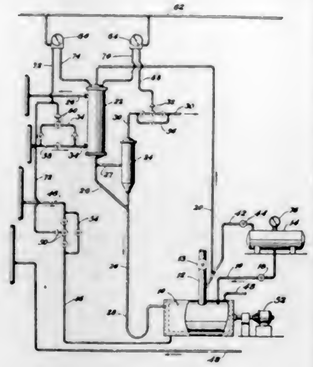
2,411,452
LOOP TRANSFERRING DEVICE
Harry C. Mills, Rye, N. Y.
Application March 4, 1944, Serial No. 525,027
4 Claims. (Cl. 112—27)



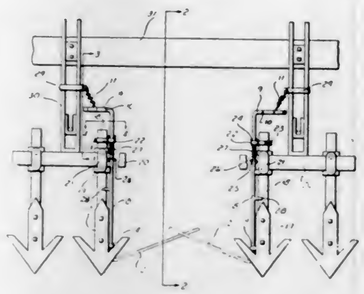
1. A loop transferring device including a flexible member having two sides hinged together at both ends, said member being adapted for disposition relative to the needles of a knitting machine, a plurality of concave teeth on each side of said member adapted to engage the needles of a knitting machine and to receive the stitches therefrom, said flexible member being collapsible and adapted to fold flat upon itself so that the teeth of one side thereof are brought near the corresponding teeth on the second side of said flexible member and a hook for each tooth on the one side of said flexible member adapted to engage the stitch on said tooth and to transfer it to the corresponding tooth on the other side of said flexible member.

2,411,453
APPARATUS FOR MAKING ALKYL LEAD COMPOUNDS
Frederick Chorlton Mitchell, Wilmington, Del., James Cuthbert Lawrence, Moylan, Pa., and Joseph Ludwig Stecher, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 23, 1942, Serial No. 452,106
9 Claims. (Cl. 23—260)

1. An apparatus, adapted for preparing alkyl lead compounds from alkyl halides and lead sodium alloys, which comprises a reaction vessel, an alkyl halide storage tank, means for continuously feeding alkyl halide from the storage tank to the reaction vessel, a condenser above the reaction vessel, a conduit connecting the reaction vessel to the condenser for conveying gaseous products to the condenser, a liquid condensate return conduit connecting the condenser to the reaction vessel independently of the alkyl halide storage tank for conducting condensed alkyl halide to the reaction vessel without passing it through the storage tank, a liquid-gas separator associated with the condenser for separating non-condensible gases from the liquid condensate, and a controllable gas vent associated with the liquid-gas separator for controlled venting of separated non-condensible gases only from the apparatus and sealing means associated with the return conduit below the condenser preventing gaseous products from flowing upwardly through the conduit while permitting liquid condensate to pass to the reaction vessel.

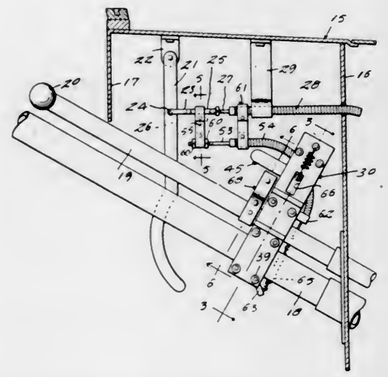


2,411,454
WEED CUTTER ATTACHMENT FOR DRILL CULTIVATORS
Anderson F. Morris, Georgetown, Tex., assignor of one-fourth to Douglas W. Morris, Fort Worth, Tex.
Application March 3, 1945, Serial No. 580,848
5 Claims. (Cl. 97—129)



1. A cultivator attachment of the class described comprising a lower guide eye, a bracket carrying said eye, said bracket being adapted to be connected to a stock part of a standard plow sweep support, a clamp adapted to be adjustably mounted on the upper end portion of the plow sweep shank, said clamp being provided with a guide eye, a cutter device comprising a vertical shaft mounted for sliding and oscillation in said eyes, said shaft being provided intermediate its ends with a check finger, and at its lower end with a lateral cutting blade, the upper end of said shaft being laterally bent and provided with selectively usable holes, a spring having one end adjustably connected to the shank by way of said holes, said spring being provided with a clamp for adjustable anchorage on a standard part of the cultivator machine.

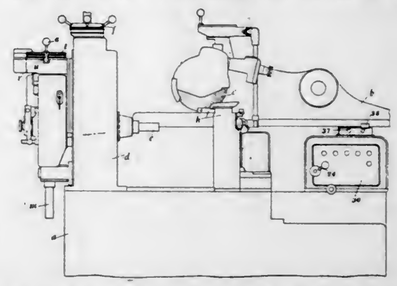
2,411,455
GEARSHIFT LOCKING DEVICE
William H. Mullins and William M. Gentry, South Boston, Va.
Application June 8, 1945, Serial No. 598,306
10 Claims. (Cl. 192—4)



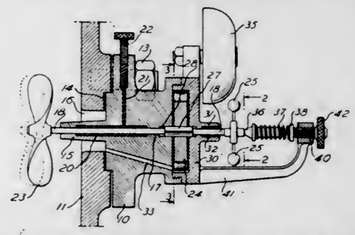
1. In combination, a movable hand brake operator a steering column, a rockable and endwise movable gear shift operator parallel to said column, a keeper fixed to said gear shift operator, a locking member supported on said column for holding said gear shift operator against rotary movement, means constantly urging said locking member to released position, and means connected to said hand brake operator and said locking member whereby the latter will be moved to locking position when said hand brake operator is moved to braking position.

2,411,456
MACHINE FOR GRINDING THE TEETH OF GEAR WHEELS
Arthur Hitchcock Orcutt, Shirley, near Birmingham, England, assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England
Application May 10, 1945, Serial No. 593,078
In Great Britain May 5, 1944
12 Claims. (Cl. 51—52)

1. In a gear wheel grinding machine of the kind specified, the combination with a headstock, a slide movable vertically in the headstock, a work spindle carried by the slide, a manually operable screw for moving the slide in the headstock, and an index plate carried by the work spindle, of an intermittently operable feeding mechanism for imparting feed movements to the slide independently of the said screw, means consisting in part of an electromagnet for actuating the feeding mechanism, and means responsive to rotational movements of the work spindle for controlling the said electromagnet.



2,411,457
LOW WATER ALARM
Frank M. Patterson, Pitman, N. J.
Application May 17, 1944, Serial No. 535,964
6 Claims. (Cl. 116—109)

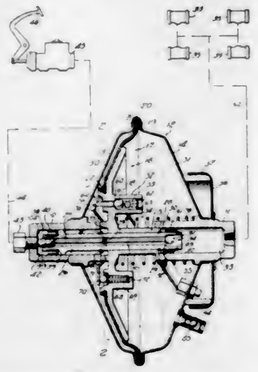


1. In a low water alarm for boilers, an indicator, an axially movable shaft entering the boiler at a selected low water level, means for continuously rotating said shaft by fluid pressure within the boiler regardless of level fluctuations, means operated by said shaft when the level falls below said selected low water level for actuating said indicator, and means reacting to the water in the boiler to normally render said indicator operating means ineffective at levels above said low water level.

2,411,458
BOOSTER BRAKE MECHANISM
William F. Penrose, Newark, N. J., assignor to Empire Electric Brake Company, Newark, N. J., a corporation of New Jersey
Application July 31, 1944, Serial No. 547,363
12 Claims. (Cl. 60—54.5)

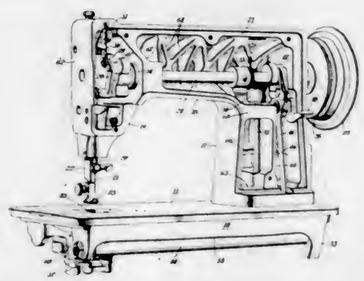
9. A hydraulic pressure booster mechanism comprising a low pressure chamber and a high pressure chamber in axial alinement and adapted for communication respectively with a hydraulic fluid displacing device and a device to be actuated by hydraulic fluid, a differential fluid pressure motor having a pressure responsive structure including a member projecting into said high pressure chamber to displace fluid therefrom, a pressure responsive member movable by fluid entering said low pressure chamber, a control valve mechanism operable by said pressure responsive member to energize said motor, said pressure responsive member extending through said fluid displacing member into said high pressure chamber to displace fluid therefrom and being provided throughout its

length with a bore providing for substantially unrestricted flow of fluid therethrough into said high pressure chamber, means for closing said bore upon a predetermined movement of said pressure responsive member when pressure is higher in said high pressure chamber than in



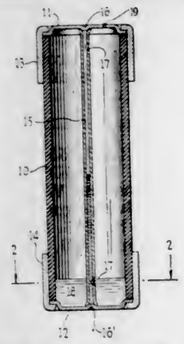
said low pressure chamber, and means for restricting the flow of fluid from said pressure displacing device into said low pressure chamber relative to the flow of fluid through said bore when said fluid displacing device is initially actuated.

2,411,459
SEWING MACHINE FRAME
Kenneth Perkins, Scotch Plains, N. J., and Malcolm S. Park, Mount Kisco, N. Y., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 23, 1943, Serial No. 476,830
4 Claims. (Cl. 112—258)



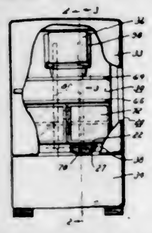
1. A sewing machine gooseneck comprising a substantially L-shaped molded unit of a hard fibrous composition having an intermatted fibrous structure bound by a fused resin uniformly distributed throughout the unit, said gooseneck being bounded by continuous and substantially unbroken side walls on all sides, including the ends at the head and base, and excepting the front thereby to form a trough shaped structure having a substantially C-shaped transverse cross-section, a plurality of spaced apertured lugs molded integrally with said unit thereby to divide said trough into a plurality of separate compartments, a plurality of web-like ribs formed within said trough between said apertured lugs, and a coverplate removably secured to said side walls thereby to enclose said trough.

2,411,460
ELECTRIC FUSE
Melville F. Peters, Beltsville, Md., and John J. Phillips, Irvington, N. J., assignors to Titeflex, Inc., Newark, N. J., a corporation of New Jersey
Application March 21, 1945, Serial No. 583,962
10 Claims. (Cl. 200—113)



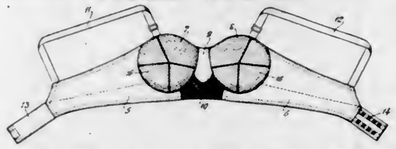
1. In an electric fuse in combination, an insulating, tubular body portion, fuse caps secured to the ends of the body portion, and a hollow tubular fusible element in electrical association at its ends with the fuse caps, said fusible element having openings extending through its wall adjacent to its ends, and a supply of liquid partly filling said body portion to a prescribed level with respect to the location of one of said openings.

2,411,461
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application December 10, 1942, Serial No. 468,487
8 Claims. (Cl. 62—89)



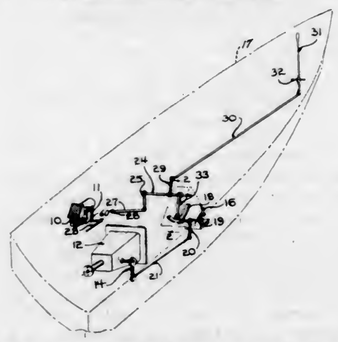
1. Refrigerating apparatus comprising a cabinet having an inner liner and an outer casing, insulation between said liner and casing, said liner forming walls of a food storage compartment, a refrigerant evaporator positioned in said food compartment and being adapted to operate at a relatively low temperature, and a refrigerant evaporator positioned on the exterior surface of said liner and being adapted to operate at a relatively high temperature and above the freezing point of water at least part of the time, said insulation being spaced from said evaporator positioned on said liner and said liner having an opening in a wall thereof communicating with the space between the insulation and liner to establish a communication path between said evaporators to allow for water vapor diffusion in air from the moisture collected on the relatively high temperature evaporator to flow to the relatively low temperature evaporator.

2,411,462
BRASSIÈRE AND METHOD OF MAKING SAME
Henry M. Plehn, Brooklyn, N. Y.
Application July 14, 1944, Serial No. 544,880
7 Claims. (Cl. 2—42)



1. A brassière comprising a pair of substantially conically shaped bust-supporting pockets, each constituted of segments of fabric material joined together at their meeting edges and forming an apex, each segment being provided with pre-formed, substantially parallel lines of fabric reinforcing means which are disconnected from the reinforcing means on the adjacent segments and form with the similar lines of fabric reinforcing means in the other fabric segments substantially closed geometrical figures, which increase in size from the apex of each bust-supporting pocket to the base of the pocket.

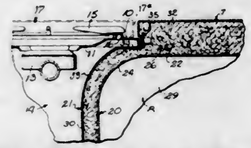
2,411,463
MARINE CARBURETOR CLUTCH CONTROL
Carl Pozgay, Jamaica, N. Y.
Application May 18, 1945, Serial No. 594,421
8 Claims. (Cl. 74—472)



1. In a power control system including a motor throttle and a reverse gear, a rocker member having a neutral position and a forward position and a reverse position and connected with said reverse gear for the operation thereof, a motor throttle control shaft connected with said motor throttle, means for turning said shaft and including a hand lever having a neutral position and forward and reverse positions, and a control member mounted on said shaft and controlling said rocker member upon but the slightest forward or reverse movements of said hand lever, said rocker member being mounted at its center upon a shaft and having arms extending to each side of said shaft.

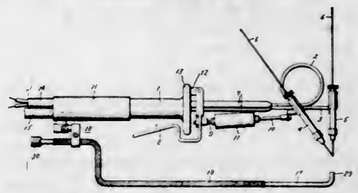
2,411,464
STOVE CONSTRUCTION
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application March 19, 1945, Serial No. 583,597
7 Claims. (Cl. 126—39)

1. In a gaseous fuel cookstove of the table type in combination, a pair of sheet metal shells assembled in nested relation with an interposed layer of heat insulating material, said shells being mounted at one end of the stove to define an oven, each of said shells having top and side panels connected by corner portions, the top panel of the outer shell forming a fixed working top, means on the side panels of the inner shell for supporting a plurality of utensil racks, a cooking top at the other end of the stove, depressed



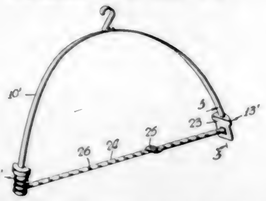
burner bowls formed in said cooking top and partially overlying said oven, burners mounted below said bowls, a removable cover having marginal edge flanges resting upon said cooking top, said cooking top being depressed below said working top to permit said cover to lie flush therewith, the corner portions of said shells adjacent said cooking top being shaped to provide clearance for the overlying burner bowls and the burners associated therewith.

2,411,465
GAS-ARC HAND TORCH
George Richardson and John Horlick, Lynn, Mass., assignors to General Electric Company, a corporation of New York
Application October 21, 1944, Serial No. 559,696
4 Claims. (Cl. 219—14)



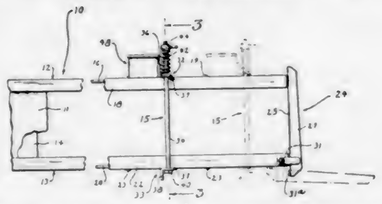
1. A gas-arc torch adapted to be carried and manipulated by a welder, said torch comprising a handle, an electrode holder, a nozzle having a discharge opening through which gas is directed about the arcing terminal of an electrode supported in said holder and onto the surface of a work part adjacent the arcing terminal of said electrode, a structure supported by and extending from said handle and in itself constituting a support for said holder and said nozzle, said structure embodying a gas passageway terminating in said nozzle and an electrical connection forming part of a circuit for supplying arcing current to an electrode in said holder, a gas pipe forming a unitary part of said torch and extending along and being spaced from said supporting structure for said holder and said nozzle to form a gap into which the work may extend during welding, said pipe having a discharge opening located in front of the arcing terminal of an electrode supported in said holder and spaced therefrom by an amount enabling proper manipulation of said electrode for a gas shielded welding operation along one side of a work part while supplying gas to the reverse side of said work part, and means at said handle for supplying gas to said pipe and gas and arcing current respectively to the passageway and electrical connection embodied in said supporting structure for said holder and said nozzle.

2,411,466
LADY'S SKIRT HANGER
Ralph Robey, New York, N. Y.
Application May 24, 1944, Serial No. 537,112
5 Claims. (Cl. 223—95)



3. A lady's skirt hanger comprising a strip of spring metal set to extend normally in a continuous arc of large radius, rigid lugs rigidly affixed to the extremities of said strip and imparting stiffness to the end portions of said strip, and a tensioning binder connecting said lugs and maintaining said strip tensed under sharper curvature, but yielding to permit further stressing thereof.

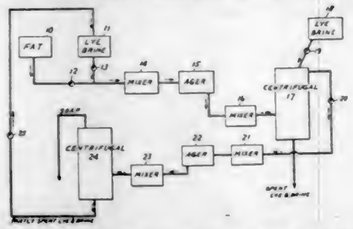
2,411,467
BALER
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application October 23, 1943, Serial No. 507,359
2 Claims. (Cl. 100—23)



2. In a baler, a baling chamber including opposed wall portions adapted to be compressed for retarding the passage of baled material therethrough, means applied to the baling chamber for compressing it, said means engageable with said chamber at different places to exert compressing pressure thereon at a plurality of positions for different conditions of operation, and interengaging detent means on said chamber and compressing means for maintaining the latter in any one of said plurality of positions.

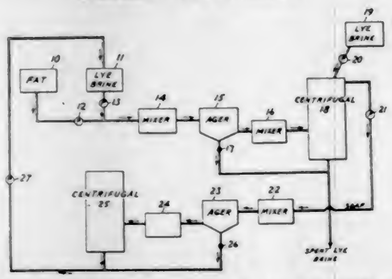
2,411,468
MANUFACTURE OF SOAP
Leopold Sender, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application November 25, 1943, Serial No. 511,705
1 Claim. (Cl. 260—418)

In the manufacture of soap, the process comprising continuously converting fat into soap by mixing said fat vigorously with a saponifying reagent at a saponifying temperature during passage through a mixing zone, graining the soap resulting from said mixing step, thereafter passing the resulting mixture of grained soap and aqueous phase through an aging zone in which the mixture is churned by agitation of a degree less than that maintained in the preceding mixing zone, passing aqeous phase and grained soap from said aging zone into a second mixing zone in which they are agitated more vigorously than in the aging zone until substantially uniform dispersion of the soap is obtained, and finally passing the mixture resulting from agitation in



said last-mentioned mixing zone to a centrifugal separator and thereby separating the grained soap from aqueous phase.

2,411,469
MANUFACTURE OF SOAP
Leopold Sender, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application November 25, 1943, Serial No. 511,706
1 Claim. (Cl. 260—418)

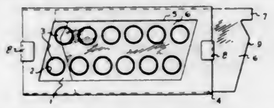


In the manufacture of soap, the process comprising continuously converting fat into soap by mixing said fat vigorously with a saponifying reagent at a saponifying temperature during passage through a mixing zone, graining the soap resulting from said mixing step, thereafter passing the resulting mixture of grained soap and aqueous phase through an aging zone in which the mixture is churned by agitation of a degree less than that maintained in the preceding mixing zone, removing a part of the aqueous phase by gravity settling through said aging zone, passing aqueous phase and grained soap from said aging zone into a second mixing zone in which they are agitated more vigorously than in the aging zone until substantially uniform dispersion of the soap is obtained, and finally passing the mixture resulting from agitation in said last-mentioned mixing zone to a centrifugal separator and thereby separating the grained soap from aqueous phase.

2,411,470
COMPOSITION COMPRISING VERMICULITE AND A THERMOPLASTIC RESIN
Thomas Patton Gladstone Shaw, Shawinigan Falls, Quebec, Canada, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of the Dominion of Canada
No Drawing. Application April 28, 1943, Serial No. 484,947. In Canada November 4, 1942
4 Claims. (Cl. 260—41)

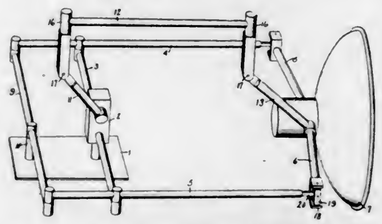
1. A composition of matter, characterized by flexibility, resilience, and absence of flaking, made by, mixing exfoliated vermiculite with a volatile liquid vehicle containing a thermoplastic resinous material, the resinous material being added in ratio to the vermiculite from about 1:1 to about 1:2 whereby the vermiculite and the resinous material are present at main body-forming proportions, subjecting the mixture to a kneading action, the duration and intensity of the kneading action being controlled effectively to retain the structure of the vermiculite and to effect substantially uniform dispersion of the vermiculite throughout the resinous material, heating the mixture subsequently to dispersion of the vermiculite therethrough in order to drive off the volatile vehicle, and cooling and forming the mass under pressure.

2,411,471
DISPLAY AND DISPENSING PACKAGE FOR TABLETS
Arthur G. Sherman, Detroit, Mich., assignor to Sherman Laboratories, Detroit, Mich., a partnership of Michigan
Application July 5, 1943, Serial No. 493,611
4 Claims. (Cl. 206—42)



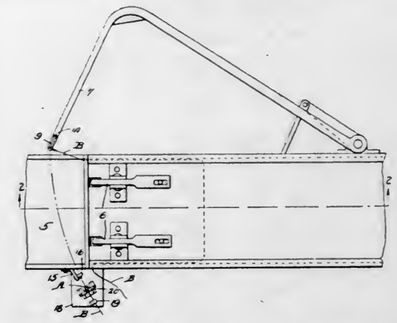
1. A display package comprising a plurality of members formed of sheet material arranged side by side and having perforations, registered in the several members, for receiving products, a flexible wrapper extended around said members and having at least one of its ends open, one side of said wrapper closing the perforations of the member adjacent such side, and the opposite side of the wrapper being apertured to afford display of the products in the perforations of the adjacent member and to afford removal of the products from all of said members, a transparent slide fitted between the apertured side of the wrapper and the adjacent perforated member to normally retain the products in such adjacent member, and a slide interposed between each two adjacent members to normally retain the products in one of such members.

2,411,472
ANTENNA SYSTEM
Arthur A. Slobod, Richmond, Calif., assignor to General Electric Company, a corporation of New York
Application May 5, 1944, Serial No. 534,266
4 Claims. (Cl. 250—11)



1. In combination, a parallelogram linkage including a plurality of pivotally connected arms, directional antenna means fixed to a first arm of the linkage, universal joints connecting each end of said first arm with the adjacent arms of the linkage, said joints including a member pivoted on the axis of one of said adjacent arms and on an axis perpendicular to the axis of said first arm whereby said directional means is independently orientable in azimuth in the plane of said linkage and in elevation with respect to said plane respectively by relative movement of the arms of the linkage and by rotation of said first arm about its axis.

2,411,473
MECHANISM FOR APPLYING BALE TIES
Levi B. Stants, Abilene, Kans.
Application March 21, 1944, Serial No. 527,467
6 Claims. (Cl. 100—20)



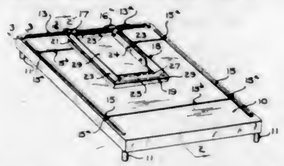
1. The combination with a bale chamber having openings in the side walls thereof through which a bale tie needle operates, of a bale tie supporting means disposed adjacent to one of said openings, a needle movable through the openings in the bale chamber, and means on the free end of the needle for engaging one end of a bale tie held in the bale tie supporting means, whereby the bale tie is moved through the bale chamber with the needle, and positioned in the path of travel of the bale moving through the bale chamber.

2,411,474
METHOD OF IMPROVING FILAMENTS OF HYDROLYZED OLEFIN/VINYL ORGANIC ESTER INTERPOLYMERS
Halsey B. Stevenson, Brandywine Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 18, 1944, Serial No. 559,231
5 Claims. (Cl. 8—130.1)

1. The process for obtaining an improved hydrolyzed ethylene/vinyl organic ester interpolymer filament, which comprises drawing at a temperature within the range of from 80° C. to 100° C. in a medium containing H_2O at a temperature within the range of from 80° C. to 100° C., a filament of a hydrolyzed interpolymer of ethylene with a vinyl ester of a monocarboxylic acid having the general formula RCOOH, wherein R is of the group consisting of hydrogen atoms and hydrocarbon radicals, said acid being free from unsaturated linkages between acyclic carbon atoms and any carbon atom alpha to the carbon atom in the carboxyl group of said acid being attached to at least one but not more than three carbon atoms, the mol ratio of ethylene to vinyl organic ester in said interpolymer prior to hydrolysis having been within the range of from 1/1 to 5/1,

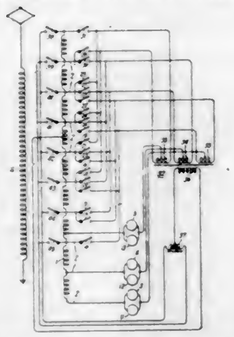
and thereafter heating the resultant stretched filament at a temperature within the range of from 101° C. to 106° C. in a taut condition in contact with a medium comprising H_2O at a temperature within the range of from 101° C. to 106° C.

2,411,475
SIMPLIFIED DUPLICATING DEVICE
Irving Stockman, New York, N. Y., assignor of one-half to Maurice Schoenbrun, New York, N. Y.
Application June 2, 1945, Serial No. 597,365
13 Claims. (Cl. 101—126)



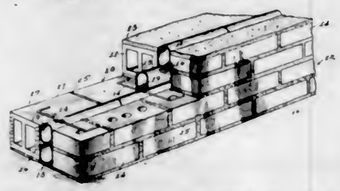
1. A duplicating device comprising a base having sockets at its upper corners, a U-shaped rod having vertical legs in said sockets and a bar connecting said legs and traversing the upper margin of said base, a slide hinge slidably and rotatably mounted on said bar and having spaced straight legs extending over said base, and a frame disposed on said base having two superposed hinged frame members, the top member having spaced tubes along its sides slidably mounted on said tube legs whereby said frame can be moved crosswise of said base by movement of said tube on said bar and lengthwise of said base by movement of said top frame member on said tube legs, said frame members being adapted to hold between them a sheet of stencil paper having an imprint to be duplicated whereby a sheet of paper disposed between said base and said frame may have the print of said stencil reproduced thereon by sliding an inking pad on top of said stencil sheet.

2,411,476
LOAD-RATIO-CONTROL CIRCUIT
Zoltan O. St. Palley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 10, 1944, Serial No. 548,905
10 Claims. (Cl. 171—119)



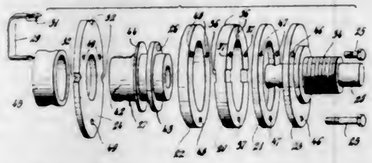
1. In combination, a transformer having a winding provided with a plurality of taps, a plurality of loads, means for connecting each load across a different part of said winding by way of two different taps so that each tap carries only the current of one load, and tap-changing means for selectively connecting said loads across varying portions of said winding by way of different taps.

2,411,477
WALL CONSTRUCTION
Merton T. Straight, Des Moines, Iowa
Application February 21, 1944, Serial No. 523,326
5 Claims. (Cl. 72—127)



5. A wall construction comprised of horizontal tiers of blocks with a layer of mortar between adjacent tiers, and having a longitudinal passage therein extended across a plane common to said layer of mortar, and a flexible water repellent tube in said passage intercepting said plane to provide an air pocket within the wall and to keep any moisture in said layer of mortar from seeping across said passage.

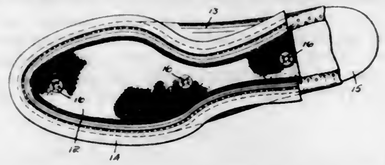
2,411,478
MULTIPOSITION ROTARY SWITCH
Alan P. Sullivan, Elizabeth, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application September 15, 1944, Serial No. 554,224
11 Claims. (Cl. 200—6)



1. A multi-position switch comprising a cylindrical supporting member of insulating material having radially directed slots formed in its end faces with each slot in one face lying opposite a slot in the other face; a plurality of fixed contacts, each disposed in one of said slots, said contacts being arranged in opposing pairs with their inner ends projecting from the inner cylindrical wall of said supporting member and lying in overlapping spaced relation, and with their outer ends adapted for connection to an electrical circuit; a rotatable shaft extending centrally through said supporting member; journal means for said shaft; a movable contact carried by said shaft, said movable contact being so disposed that it may be caused by rotation of said shaft to bridge any one of said pairs of fixed contacts; and means for holding said contacts in assembled relation.

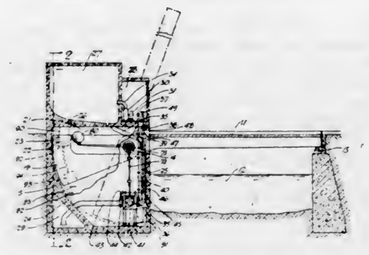
2,411,479
SHOE MANUFACTURE
Isidor Tarlow, Brockton, Mass.
Application September 18, 1944, Serial No. 554,664
2 Claims. (Cl. 12—142)

1. A method of making shoes comprising the steps of preparing an insole having fastening elements spaced longitudinally on its bottom surface, lasting an upper to the insole, preparing a sheet-like, stretchable and resilient bottom filler having complemental fastening elements spaced longitudinally thereof with the distance between



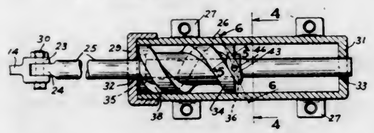
each pair of complemental fastenings substantially shorter than the distance between the corresponding pair of fasteners on the insole, stretching the filler and fastening it to the insole under tension, and then applying an outsole.

2,411,480
MOVABLE BRIDGE, DOCK GATE, AND THE LIKE
Alan Edward Spence Temple, Godalming, England
Application December 22, 1943, Serial No. 515,279
In Great Britain January 4, 1943
12 Claims. (Cl. 14—36)



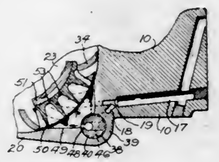
1. A bascule bridge comprising in combination a tiltably-mounted bridge girder, a counterweight rigidly connected thereto and means to vary at will the effective weight of the counterweight by adding or withdrawing liquid in contact therewith under the control of the operator.

2,411,481
DOOR CHECK
Martin Tykeson, Hamden, Conn.
Application January 18, 1945, Serial No. 573,395
11 Claims. (Cl. 16—49)



1. A door check for a door swingable in a door frame, comprising a hollow casing, a rod axially movable in the casing, a rotor in the casing and carried by the rod in its axial movements and being rotatable on said rod, means to connect said rod to the door frame, means to secure said casing to the door, said rotor having a spiral groove in its peripheral surface, and a shoe secured to the casing and extending into frictional engagement with said rotor in the spiral groove therein.

2,411,482
TURBINE CONTROL
Arnold E. Vandersee, Chicago, Ill., assignor of one-half to Henry W. Dieringer, Chicago, Ill.
Application May 25, 1944, Serial No. 537,292
7 Claims. (Cl. 253—40)



1. In a turbine drive mechanism, a housing providing a cylindrical chamber; a turbine member rotatable in said chamber; means for driving said turbine; control blades carried by said turbine; said housing having a passageway admitting pressure fluid into said chamber adjacent said control blades; a longitudinally bored rotatable valve at the outlet end of said passageway having a radially disposed discharge port, said pressure fluid passageway having a mouth portion confronting said control blades and adapted for registration with said valve discharge port in changed positions of said port for varying the direction of flow of the pressure fluid with respect to said control blades to thereby modify the rotational speed of said turbine.

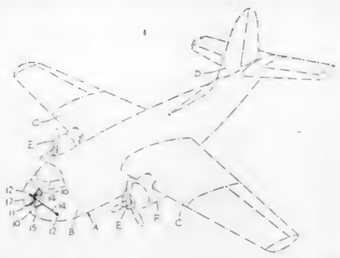
2,411,483
CORROSION INHIBITION IN CATALYTIC HYDROCARBON CONVERSION
Aaron Wachter, Berkeley, and Richard S. Treseder, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 28, 1943, Serial No. 500,458
15 Claims. (Cl. 260—666)

1. In the execution of catalytic reactions wherein reactants are contacted with a catalyst consisting of a preformed organo-metal halide complex catalyst in a reaction zone comprising a metal-containing surface in direct contact with said catalyst, the method of inhibiting corrosion of said metal-containing surface and increasing the useful life of said catalyst which comprises maintaining in said catalyst a corrosion inhibiting amount of a member of the group consisting of antimony and antimony halides in which all halide atoms are the same.

2,411,484
AIR SPEED INDICATOR
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 9, 1944, Serial No. 539,437
3 Claims. (Cl. 73—182)

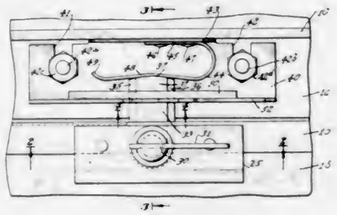
1. In an airplane having a fuselage which at the front end is so deep vertically as to be substantially unaffected by air disturbances such as those which affect the leading edge of a wing with changes in the angle of attack, and which front end is disposed clear of the propeller stream, the combination therewith of a dynamic head located near the mid-height of the front end of the fuselage, a static head located in each side of the

fuselage, a pressure differential indicating instrument located in said fuselage, and means for



conveying effects of air pressure from said dynamic and static heads to said instrument.

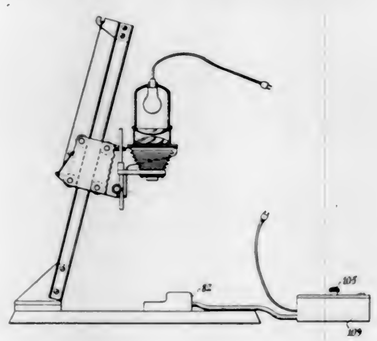
2,411,485
CLAMPING MEANS FOR WINDSHIELD DEICER PANELS
John Harold Webster, Rocky Hill, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application August 21, 1944, Serial No. 550,475
9 Claims. (Cl. 292—241)



1. In a double-action device for clamping the edge of a de-icer panel to a windshield frame, a U-shaped strike plate mounted horizontally on the edge of said frame, said plate having rearwardly extending upper and lower flanges, a U-shaped leaf spring having one leg thereof secured to said upper flange, said lower flange having a horizontal slot provided with a resilient wedge cam, said panel carrying an initially horizontal pivoted latch blade, and means to swing said latch blade to vertical position for causing said blade to simultaneously engage the lower leg of said spring and said wedge cam.

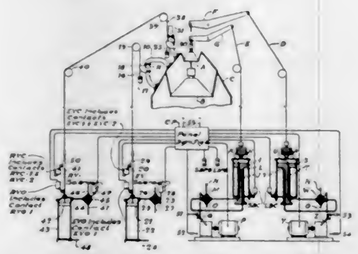
2,411,486
LIGHT MEASURING DEVICE FOR PHOTOGRAPHIC ENLARGERS
Louis L. Weisglass, New York, N. Y., assignor, by mesne assignments, to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application December 7, 1945, Serial No. 633,475
16 Claims. (Cl. 88—23)

1. A light measuring device for photographic enlargers comprising a first circuit, a photosensitive device controlling said first circuit, said circuit including a sensitivity control with several steps of sensitivity, a second circuit, a manually controlled, substantially stepless, voltage control device controlling said second circuit, a light intensity indicator mechanically associated with said voltage control device, means to make the output voltages of both circuits oppose each other, and means to indicate when the difference of said two voltages, as a consequence of said voltage control device being actuated by the operator, assumes a predetermined value, said voltage control device adapted to change, in one operating cycle, the output voltage of said second circuit from a minimum to a maximum value, but adapted to run repeatedly through said operating cycle while being actuated in the same



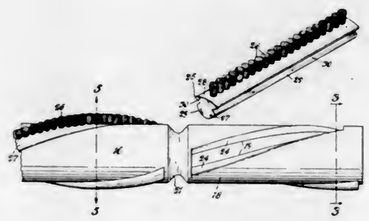
direction, said light intensity indicator adapted to indicate on one continuous scale, in one operating cycle, light intensities from a minimum to a maximum value, but adapted to run only once through its operating cycle while being actuated in the same direction, and means to actuate said sensitivity control of the first circuit automatically by said voltage control device of the second circuit, said sensitivity control always advancing one step when said voltage control device completes one operating cycle.

2,411,487
BLAST FURNACE CONSTRUCTION
Arthur J. Whitcomb, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application April 5, 1945, Serial No. 586,716
4 Claims. (Cl. 266—27)



1. A blast furnace comprising, in combination, a furnace chamber, a lowermost charging bell, a topmost charging bell at the top of said chamber, said bells being arranged in series with one another, means for operating the lowermost of said bells, means for operating the uppermost of said bells, a by-pass conduit adapted to connect the space between said bells with said furnace chamber, an equalizer valve in said conduit, motive means for said equalizer valve, a relief valve for providing communication between the space between said bells and atmosphere, motive means for said relief valve, and means for interlocking said operating means for the uppermost of said bells with said equalizer valve and said relief valve to permit said uppermost of said bells to open only when said equalizer valve is closed and said relief valve is open.

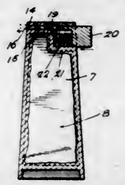
2,411,488
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 19, 1943, Serial No. 483,548
1 Claim. (Cl. 15—182)



In a rotary agitator for a suction cleaner, a cylindrical body, a helically extending brush seat having closed ends, formed by apposed inwardly sloping side walls, positioned permanently in said body and which intersects at an angle a transverse plane through said body perpendicular to the major axis thereof, and a normally straight brush including flexible non-compressible bristles seated in a back of deformable material such as resilient rubber, said back being divided by longitudinally extending V-shaped grooves into a top portion and a backing portion, said back being sufficiently flexible to enable said brush to curve helically, and said backing portion being sufficiently compressible to enable it to be deformed and inserted radially between said side walls of said brush seat, said grooves being shaped as to lie flat upon the surface of said inwardly sloping side walls and being sufficiently spaced as to provide a back thickness which fits between said walls with a clamping and sealing action, said backing portion also being sufficiently resilient and of such size as to expand and underlie said side walls.

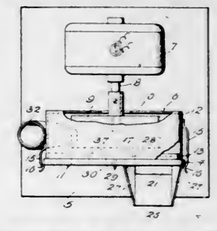
2,411,489
COMBINATION SALT AND PEPPER SHAKER
La Mar S. Williams, Provo, Utah
Application September 28, 1944, Serial No. 556,167
1 Claim. (Cl. 65—45)

A combination salt and pepper shaker of the class described comprising a one piece container provided at its top with a flat apertured outer plate, and inwardly of said outer plate with an inner apertured plate, said plates being integrally connected together along corresponding opposite edges and spaced apart along opposite edges and forming a slideway, a partition in said container dividing it into individual salt and pepper compartments, said partition being provided at its upper end and on one side with a receptacle-like spring and push button accommodation pocket, the outer end of said pocket opening through an adjacent wall of the container and the upper side of said pocket opening through said inner plate, and a third plate slidable between said first-named plates, said third plate forming a valve and being apertured, said third plate being pro-



vided on one end with a block-like push button said push button being slidable in said pocket, and a coiled spring arranged in said pocket and engaging said push button in order to maintain the valve in a pre-determined position and the push button normally projected to a position for convenient operation.

2,411,490
TOY BLOWER
Ward Williams, Brandon, Wis.
Application October 31, 1944, Serial No. 561,195
3 Claims. (Cl. 302—37)

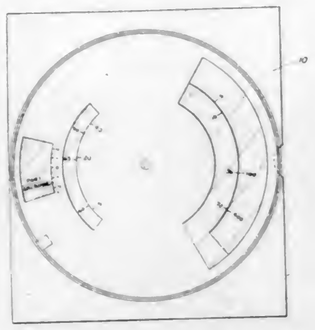


1. A toy comprising a base, a substantially cylindrical blower casing mounted on said base and comprising an upright back wall and a peripheral wall projecting therefrom and formed with an outlet, a discharge pipe extending from said outlet, a bladed centrifugal fan in said casing having its axis concentric with an opening in said back wall, means for supporting and rotating said fan, a readily removable front wall for said casing having a peripheral portion to engage and seat on the entire front edge of said peripheral wall of the casing, said front wall having an inlet positioned to one side of the axis of rotation of said fan, a feed chute secured to said front wall and communicating with said inlet, and yieldable spring catches normally holding said front wall on said peripheral wall, said catches being yieldable to release said front wall by excessive outward pressure upon it, whereby a stick or the like inserted through said inlet and crowded by said fan against said removable front wall, may force it off of said peripheral wall instead of causing damage.

2,411,491
X-RAY EXPOSURE CALCULATOR
William A. Williams, Port Crane, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 23, 1944, Serial No. 564,873
3 Claims. (Cl. 235—64.7)

1. An X-ray exposure calculator having in combination a plurality of relatively movable, disk-

like members including a base member, a first movable member, a transparent member and a top movable member superimposed upon the base member in the order stated; said base member having at one side a milliampere-seconds scale and at the opposite side, a scale denoting character of the subject to be radiographed; said first movable member having a focal distance scale in cooperating relationship to the milliampere-seconds scale, and at the opposite side, a kilovolt-peak scale; the transparent member having an index mark in registry with the subject scale; and said top member having at one side, a thickness of part scale cooperating with the kilovolt-peak scale and a compensating index scale adjacent one end of the index mark on the transparent member; said members being cut away at areas above each of the scales so that all may be visible from the face of the instrument, the top member and the transparent member being adapted to move as a unit when temporarily connected.

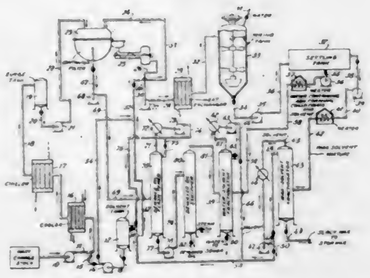


2,411,492

METHOD FOR TREATING WAXY STOCKS

Byron F. Wingrove, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application March 9, 1945, Serial No. 581,923
11 Claims. (Cl. 196—17)



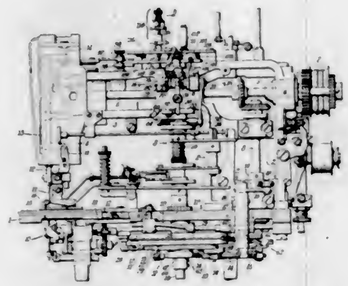
1. In a solvent-dewaxing process wherein waxy material is separated at suitably low temperatures from a waxy petroleum stock, mixed with a suitable composite solvent, the method for removing ash-forming constituents from the separated wax cake which comprises: adding at least one constituent of the solvent involved in said dewaxing process to said wax cake in an amount substantially in excess of the volume of said wax cake, heating the mixture to a temperature above about 120 degrees Fahrenheit but below a temperature sufficient to substantially boil said solvent and water, mixing with said mixture a relatively small proportion by volume of water, whereby the ash-forming constituents contained in said wax cake will be dissolved in said added water, and substantially separating the water containing said ash-forming constituents from said solvent-wax mixture.

2,411,493

BUTTONHOLE SEWING MACHINE

Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application July 15, 1944, Serial No. 545,035
16 Claims. (Cl. 112—73)



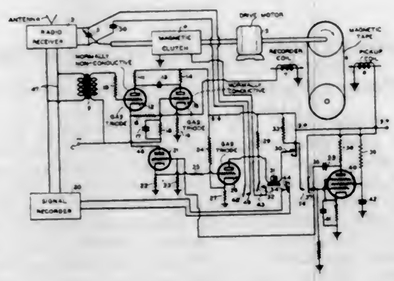
1. In a buttonhole sewing machine, in combination, stitch-forming mechanism including an endwise reciprocatory and laterally vibratory needle, a work-holder, a rotary shaft, a feed-cam carried by said shaft, operative connections with said feed-cam for relatively shifting said stitch-forming mechanism and work-holder to sew about a buttonhole, clutch means for rotating said shaft, and means including an actuating member shiftable axially of said shaft for disabling said clutch means during the formation of the buttonhole.

2,411,494

RADIO RECEIVER

Warren H. Bliss, Oror Maine, assignor to Radio Corporation of America, a corporation of Delaware

Application August 18, 1942, Serial No. 455,187
26 Claims. (Cl. 250—20)



1. In a radio receiving system, means including a motor for continually and repeatedly changing the receiver response band over a predetermined portion of the radio frequency spectrum, means responsive to the detected output of said receiver including a trigger circuit and a magnetic tape recorder coupled to said trigger circuit for producing recordings representative of the signals received within said spectrum, a permanent recorder, and an electron discharge device circuit operative solely by a signal received within said spectrum but which does not register with the recordings on said tape for operatively connecting said last recorder to the output of said receiver.

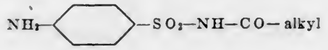
2,411,495

VALUABLE DERIVATIVES OF SULPHONAMIDES AND A METHOD OF MAKING THE SAME

Max Dohrn, Berlin-Charlottenburg, and Paul Diedrich, Finkenkrug, Osthavelland, Germany, assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application January 31, 1939, Serial No. 253,734. In Germany February 2, 1938
9 Claims. (Cl. 260—397.7)

3. N'-acylsulfanilamides of the following formula:



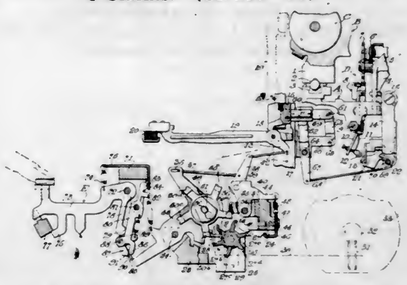
6. In a process for the manufacture of N^1-acyl sulphonamides, the step comprising subjecting a sulphonamide compound having directly attached to the sulphur atom a ring carbon of an aromatic residue which has an amino group linked through the nitrogen to a ring carbon in p-position to the first-mentioned carbon, to the action of at least 2 mols of an acylating agent to acylate both the amidic nitrogen and the nuclearly bound amino group, the sulfonamide group being converted into the group —SO_2.NH.OC.R, the group —OC.R being the acyl radical of a carboxylic acid.

2,411,496

POWER OPERATED TYPEWRITING MACHINE

George F. Handley, deceased, late of Glendale, N. Y., by Matilda J. Handley, executrix, Yonkers, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application November 3, 1943, Serial No. 508,852
8 Claims. (Cl. 197—17)

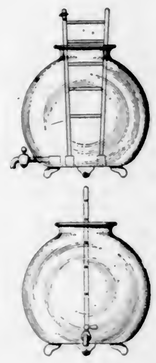


1. In a power operated typewriter or like machine, a type action; a power lever; means connecting said power lever to said type action; a rotatable power driven element having projections thereon; a star wheel journalled on said power lever and having fingers normally disposed out of the path of said projections; means for moving said star wheel to bring its fingers into the path of said projections for actuating the lever and the type action; and means for preventing overthrowing of the star wheel comprising a stop engageable by the star wheel when the star wheel is in normal position, and means mounting said stop to yield from its operative position when the star wheel is driven by said power driven element, said stop being biased towards its operative position sufficiently to prevent its yielding from operative position under the rotative inertia action of the star wheel but insufficiently to prevent its yielding from operative position under the action of the star wheel when the latter is driven by said power driven element.

DESIGNS

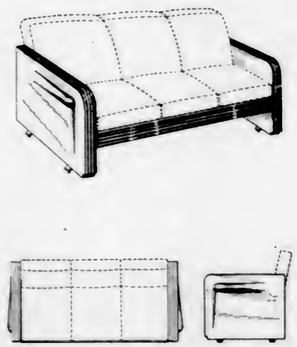
NOVEMBER 19, 1946

145,917
DESIGN FOR A COMBINED PLANT CONTAINER AND SUPPORT
Adina Ames, Milwaukee, Wis.
Application June 1, 1945, Serial No. 119,850
Term of patent 14 years
(Cl. D35—3)



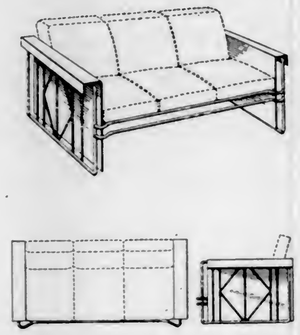
The ornamental design for a combined plant container and support, as shown.

145,918
DESIGN FOR A GLIDER
Peter V. Armstrong, Warren, Ohio, assignor to Federal Machine and Welder Company, Warren, Ohio, a corporation of Ohio
Application December 13, 1945, Serial No. 124,667
Term of patent 7 years
(Cl. D15—11)



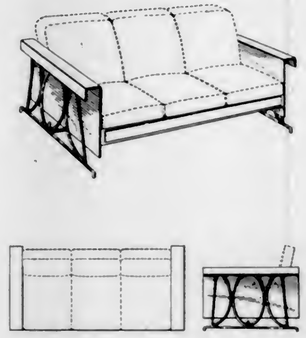
The ornamental design for a glider, substantially as shown and described.

145,919
DESIGN FOR A GLIDER
Peter V. Armstrong, Warren, Ohio, assignor to Federal Machine and Welder Company, Warren, Ohio, a corporation of Ohio
Application December 13, 1945, Serial No. 124,668
Term of patent 7 years
(Cl. D15—11)



The ornamental design for a glider, substantially as shown and described.

145,920
DESIGN FOR A GLIDER
Peter V. Armstrong, Warren, Ohio, assignor to Federal Machine and Welder Company, Warren, Ohio, a corporation of Ohio
Application December 13, 1945, Serial No. 124,670
Term of patent 7 years
(Cl. D15—11)



The ornamental design for a glider, substantially as shown and described.

145,921
DESIGN FOR A SCAPULAR RING OR SIMILAR ARTICLE
Benedict F. Carney, Evanston, Ill., assignor to Spies Brothers, Inc., Chicago, Ill., a corporation of Illinois
Application April 23, 1945, Serial No. 119,139
Term of patent 7 years
(Cl. D45—10)



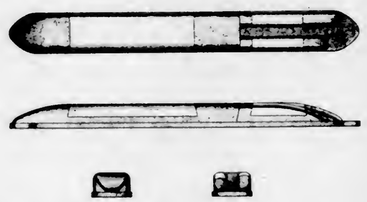
The ornamental design for a scapular ring or similar article, substantially as shown and described.

145,922
DESIGN FOR A COMBINED SCABBARD AND CARVING KNIFE OR SIMILAR ARTICLE
Emerson E. Case, Perry, N. Y., assignor to Robeson Cutlery Company, Inc., Perry, N. Y., a corporation of New York
Application December 29, 1945, Serial No. 125,166
Term of patent 14 years
(Cl. D44—29)



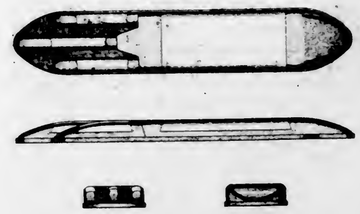
The ornamental design for a combined scabbard and carving knife or similar article, substantially as shown.

145,923
DESIGN FOR A COMBINED SCABBARD AND CARVING IMPLEMENT SET
Emerson E. Case, Perry, N. Y., assignor to Robeson Cutlery Company, Inc., Perry, N. Y., a corporation of New York
Application December 29, 1945, Serial No. 125,167
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a combined scabbard and carving implement set, substantially as shown.

145,924
DESIGN FOR A COMBINED SCABBARD AND CARVING IMPLEMENT SET
Emerson E. Case, Perry, N. Y., assignor to Robeson Cutlery Company, Inc., Perry, N. Y., a corporation of New York
Application December 29, 1945, Serial No. 125,168
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a combined scabbard and carving implement set, substantially as shown.

145,925
DESIGN FOR A SUIT
Sidney Cohen, New York, N. Y.
Application August 2, 1946, Serial No. 132,239
Term of patent 3½ years
(Cl. D3—4)



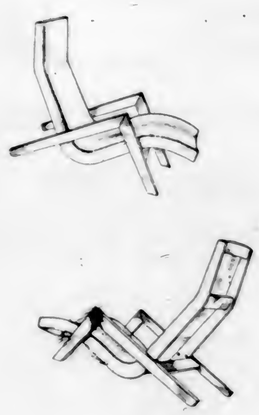
The ornamental design for a suit, substantially as shown.

145,926
DESIGN FOR A SLIPPER
Gustave Cohn, Hartsdale, N. Y.
Application February 14, 1946, Serial No. 126,552
Term of patent 3½ years
(Cl. D7—7)



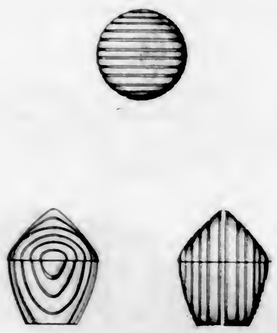
The ornamental design for a slipper, substantially as shown.

145,927
DESIGN FOR A CHAIR
Leonard A. Cutrow, Los Angeles, Calif.
Application January 11, 1946, Serial No. 125,445
Term of patent 3½ years
(Cl. D15—1)



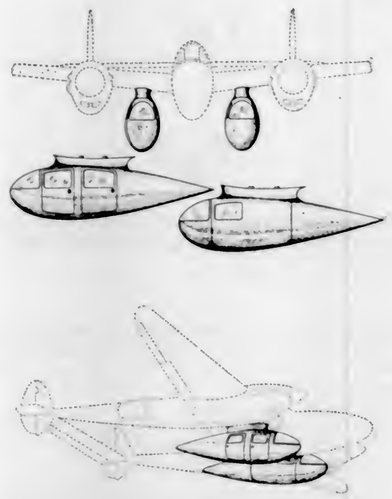
The ornamental design for a chair, substantially as shown.

145,928
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application November 1, 1945, Serial No. 123,384
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, substantially as shown.

145,929
DESIGN FOR AN AIRPLANE
James J. Dickson, Chicago, Ill., and Robert W. Huzzard, York, Pa.
Application March 12, 1945, Serial No. 118,406
Term of patent 3½ years
(Cl. D71—1)



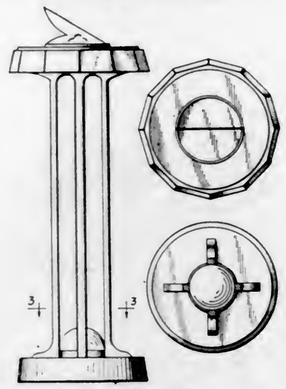
The ornamental design for an airplane, substantially as shown and described.

145,930
DESIGN FOR A SHOE
Philip F. Eberle, San Francisco, Calif.
Application December 29, 1945, Serial No. 125,147
Term of patent 14 years
(Cl. D7—7)



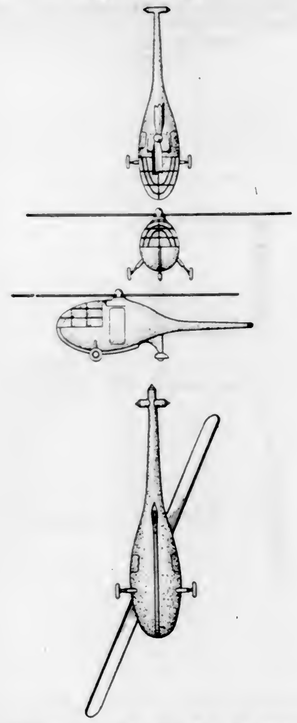
The ornamental design for a shoe, as shown.

145,931
DESIGN FOR A SUNDIAL
Ciro Americo Fiorio, Northfield, Ill.
Application December 13, 1945, Serial No. 124,682
Term of patent 7 years
(Cl. D42—7)



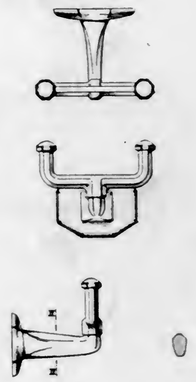
The ornamental design for a sun dial, as shown.

145,932
DESIGN FOR A HELICOPTER
Antoine Gazda, Providence, R. I.
Application June 14, 1945, Serial No. 120,073
Term of patent 7 years
(Cl. D71—1)



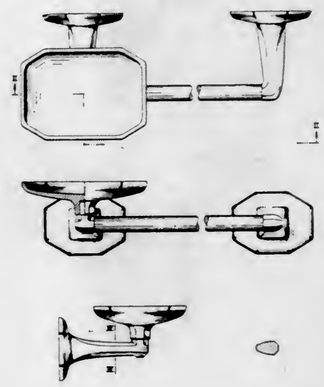
The ornamental design for a helicopter, as shown and described.

145,933
DESIGN FOR A DOUBLE ROBE HOOK
James Gerity, Jr., Adrian, Mich., assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich., a corporation of Michigan
Application June 2, 1945, Serial No. 119,854
Term of patent 14 years
(Cl. D17—12)



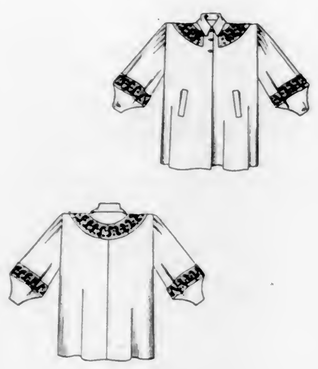
The ornamental design for a double robe hook, substantially as shown.

145,934
DESIGN FOR A COMBINED SOAP DISH AND GRAB RAIL
James Gerity, Jr., Adrian, Mich., assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich., a corporation of Michigan
Application June 2, 1945, Serial No. 119,858
Term of patent 14 years
(Cl. D4—3)



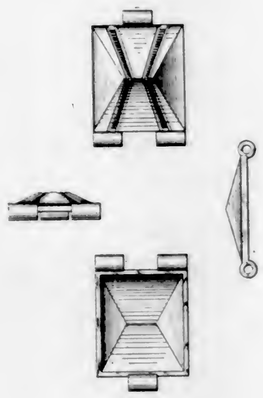
The ornamental design for a combined soap dish and grab rail, substantially as shown.

145,935
DESIGN FOR A COAT
Harry Goldberg, New York, N. Y.
Application September 14, 1946, Serial No. 133,315
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

145,936
DESIGN FOR A PLASTIC BLOCK
Jerome Goldberg, New York, N. Y., assignor to Columbia Handbag Corp., New York, N. Y., a corporation of New York
Application December 5, 1945, Serial No. 124,913
Term of patent 3½ years
(Cl. D87—3)



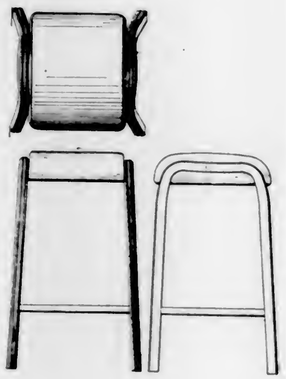
The ornamental design for a plastic block, substantially as shown.

145,937
DESIGN FOR A SLIPPER
Morris Greenberg, New York, N. Y.
Application December 11, 1945, Serial No. 124,610
Term of patent 3½ years
(Cl. D7—7)



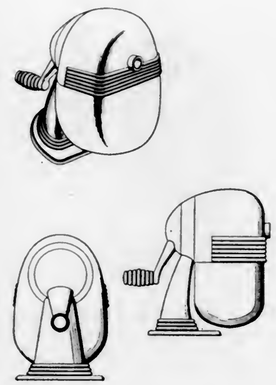
The ornamental design for a slipper, substantially as shown and described.

145,938
DESIGN FOR A STOOL
Lurelle Guild, Darien, Conn., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application November 13, 1945, Serial No. 123,682
Term of patent 14 years
(Cl. D15—8)



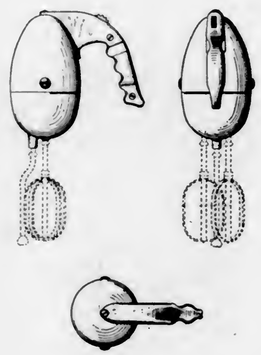
The ornamental design for a stool, substantially as shown.

145,939
DESIGN FOR A PENCIL SHARPENER
Gerald D. Gulotta, Rockford, Ill., assignor to Roy W. Hays, Rockford, Ill.
Application March 13, 1946, Serial No. 127,430
Term of patent 14 years
(Cl. D74—1)



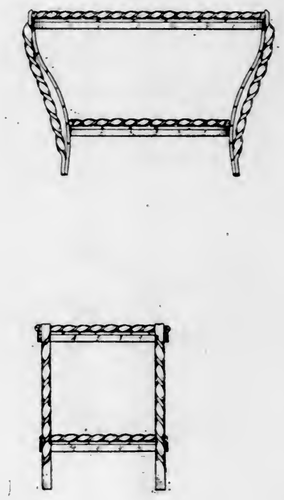
The ornamental design for a pencil sharpener, substantially as shown and described.

145,940
DESIGN FOR A FOOD MIXER
Johannes B. Kessel, Chicago, Ill.
Application May 19, 1945, Serial No. 119,619
Term of patent 14 years
(Cl. D44—1)



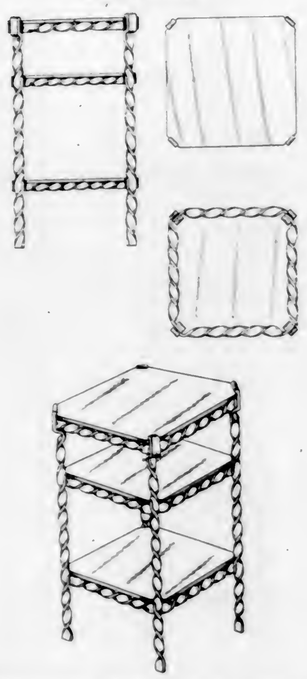
The ornamental design for a food mixer, as shown and described.

145,941
DESIGN FOR A TABLE
Edmund D. Kissling, New York, N. Y.
Application December 19, 1945, Serial No. 124,840
Term of patent 14 years
(Cl. D33—14)



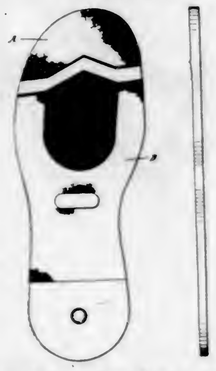
The ornamental design for a table, as shown.

145,942
DESIGN FOR A UTILITY TABLE
Edmund D. Kissling, New York, N. Y.
Application December 26, 1945, Serial No. 125,027
Term of patent 14 years
(Cl. D33—14)



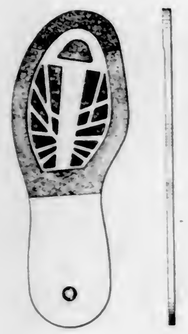
The ornamental design for a utility table, as shown and described.

145,943
DESIGN FOR A SHOE SOLE
Virgil M. Knisely, Lima, Ohio, assignor to Gro-Cord Rubber Company, Lima, Ohio, a corporation of Ohio
Application July 25, 1946, Serial No. 131,907
Term of patent 14 years
(Cl. D7—5)



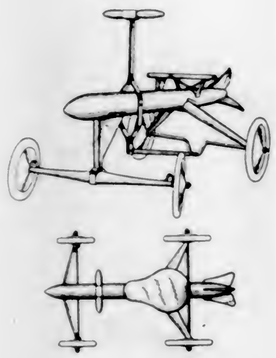
The ornamental design for a shoe sole, substantially as shown and described.

145,944
DESIGN FOR A SHOE SOLE
Virgil M. Knisely, Lima, Ohio, assignor to Gro-Cord Rubber Company, Lima, Ohio, a corporation of Ohio
Application July 25, 1946, Serial No. 131,908
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe sole, substantially as shown.

145,945
DESIGN FOR A VEHICLE TOY
Richard W. Larkin, Bell, Calif.
Application November 13, 1945, Serial No. 123,689
Term of patent 3½ years
(Cl. D34—15)



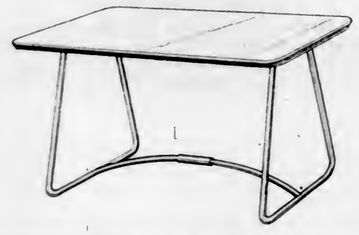
The ornamental design for a vehicle toy, substantially as shown.

145,946
DESIGN FOR A TABLE LAMP
Charles O. Larson, Sterling, Ill.
Application November 28, 1945, Serial No. 124,132
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a table lamp, substantially as shown and described.

145,947
DESIGN FOR A TABLE
Karl O. Larson, Minneapolis, Minn.
Application March 3, 1945, Serial No. 118,244
Term of patent 7 years
(Cl. D33—14)



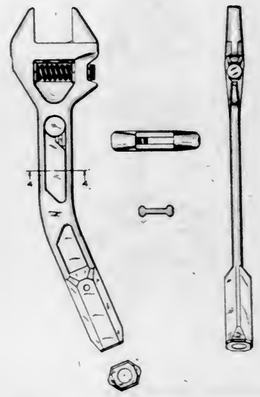
The ornamental design for a table, as shown.

145,948
DESIGN FOR A DESK
Karl O. Larson, Minneapolis, Minn.
Application March 3, 1945, Serial No. 118,245
Term of patent 14 years
(Cl. D33—7)



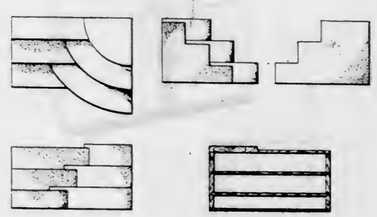
The ornamental design for a desk, as shown and described.

145,949
DESIGN FOR A WRENCH
Amos F. Lewis, St. Louis, Mo.
Application December 20, 1945, Serial No. 124,902
Term of patent 7 years
(Cl. D54—16)



The ornamental design for a wrench, substantially as shown.

145,950
DESIGN FOR A DISPLAY FIXTURE UNIT
Peter V. Martino, Long Island City, N. Y.
Application December 18, 1945, Serial No. 126,988
Term of patent 7 years
(Cl. D80—9)



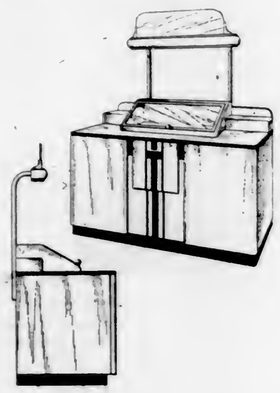
The ornamental design for a display fixture unit, substantially as shown.

145,951
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Batrisha Matuzoff, Hollywood, Calif.
Application October 17, 1945, Serial No. 122,927
Term of patent 14 years
(Cl. D80—9)



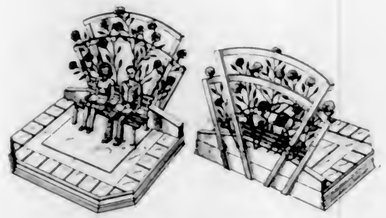
The ornamental design for a display stand or similar article, as shown.

145,952
DESIGN FOR A MERCHANDISING DISPLAY CABINET OR SIMILAR ARTICLE
Gordon A. Petremont, Boston, Andrew K. Benjamin, Newton Highlands, and Edmund C. Brown, Belmont, Mass., assignors to The Gobelin Company Inc., Cambridge, Mass.
Application October 22, 1945, Serial No. 123,096
Term of patent 14 years
(Cl. D80—11)



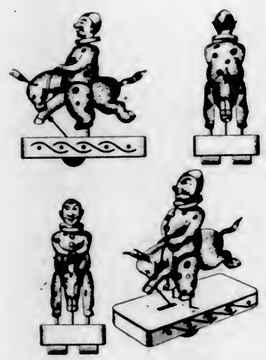
The ornamental design for a merchandising display cabinet or similar article, substantially as shown.

145,953
DESIGN FOR A COMBINATION ARBOR AND BOOKEND
Raphael Randolph, La Grange, Tex.
Application July 20, 1945, Serial No. 120,837
Term of patent 7 years
(Cl. D33—1)



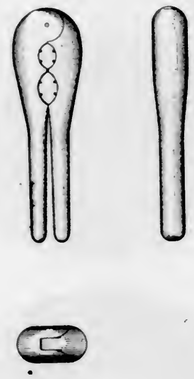
The ornamental design for a combination arbor and bookend, substantially as shown.

145,954
DESIGN FOR A TOY
Henry C. Roberts, Detroit, Mich.
Application January 26, 1946, Serial No. 126,021
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy, as shown.

145,955
DESIGN FOR A NUTCRACKER
Rudolf Rohm, Chicago, Ill.
Application December 29, 1945, Serial No. 125,161
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a nutcracker, as shown.

145,956
DESIGN FOR A DRESS
Nathan Shatz, St. Louis, Mo.
Application August 24, 1946, Serial No. 132,837
Term of patent 3½ years
(Cl. D3—26)



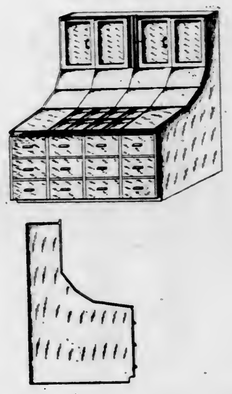
The ornamental design for a dress, substantially as shown.

145,957
DESIGN FOR A DRESS
Nathan Shatz, St. Louis, Mo.
Application August 24, 1946, Serial No. 132,839
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

145,958
DESIGN FOR A MERCHANDISE DISPLAY CABINET
Clyde T. Smith, New York, N. Y.
Application October 8, 1945, Serial No. 122,625
Term of patent 7 years
(Cl. D80—11)



The ornamental design for a merchandise display cabinet, as shown.

145,959
DESIGN FOR A CHAIR
Carl D. Spangler, Arkadelphia, Ark.
Application January 14, 1946, Serial No. 125,543
Term of patent 3½ years
(Cl. D15—6)

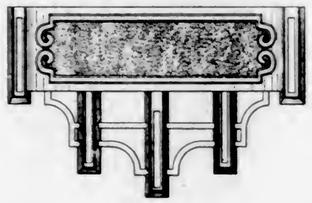




The ornamental design for a chair, substantially as shown.

145,960
DESIGN FOR AN END PLATE FOR A FLUORESCENT FIXTURE
Jerome H. Steinberg, Brooklyn, N. Y.
Application December 13, 1945, Serial No. 124,700
Term of patent 3½ years
(Cl. D48—23)





The ornamental design for an end plate for a fluorescent fixture, substantially as shown.

145,961
DESIGN FOR A COMBINED CLOCK AND MAP
Andre Tellier, New York, N. Y.
Application August 31, 1945, Serial No. 121,757
Term of patent 14 years
(Cl. D42—7)





The ornamental design for a combined clock and map, as shown.

145,962
DESIGN FOR A WOOD PLANE
Felix J. Zagumny, Detroit, Mich., assignor to John A. Maxwell & Associates, Detroit, Mich., a partnership consisting of John A. Maxwell and Murray M. Taylor
Application June 4, 1945, Serial No. 119,897
Term of patent 14 years
(Cl. D93—4)



The ornamental design for a wood plane, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Affiliated Retailers, Inc., New York, N. Y. Dry cleaner. Serial No. 497,007; Nov. 19. Class 4.

Allied American Steel Corporation, Chicago, Ill. Children's strollers. Serial No. 499,882; Nov. 19. Class 19.

Amco Athletic Apparel Corporation, Brooklyn, N. Y. Uniforms for athletes. Serial No. 497,057; Nov. 19. Class 39.

American Manufacturing Co. of L. A.: *See*—
Brunk, Charles S.

Anderson, Enar S., North Attleboro, Mass. Jewelry. Serial No. 501,037; Nov. 19. Class 28.

Aristocrat Leather Products, Inc., New York, N. Y. Apparel belts, suspenders, garters, etc. Serial No. 498,196; Nov. 19. Class 39.

Arkwright, Incorporated, New York, N. Y. Radio receiving sets and parts thereof. Serial No. 489,707; Nov. 19. Class 21.

Artcraft Hosiery Company, Philadelphia, Pa. Women's hosiery. Serial No. 502,733; Nov. 19. Class 39.

Barr Manufacturing Corporation, Weedsport, N. Y. Silver, silver-plated, and gold-plated cigarette cases and cigarette boxes. Serial No. 479,657; Nov. 19. Class 28.

Bakke, Dean U., Des Moines, Iowa. Protective toe coverings. Serial No. 497,291; Nov. 19. Class 39.

Bauman-Massa Jewelry Co., St. Louis, Mo. Children's jewelry. Serial No. 500,457; Nov. 19. Class 28.

Beaird, J. B., Company, Inc., The, Shreveport, La. Machines for dehydrating raw vegetables and fruit food products, etc. Serial No. 501,111; Nov. 19. Class 23.

Becker, Rodger F., doing business as Kalamazoo Aero-Motive Manufacturing Company, Kalamazoo, Mich. Automotive radiator flushing gun. Serial No. 495,211; Nov. 19. Class 23.

Bendix Aviation Corporation, North Hollywood, Calif. Electrically actuated valves. Serial No. 488,563; Nov. 19. Class 21.

Bolta Products, Inc., Lawrence, Mass. Sliding clasp fasteners. Serial No. 497,226; Nov. 19. Class 13.

Brazen Creations, assignors, by mesne assignments, to Brazen Creations, a firm composed solely of Leone P. Edelman, Chicago, Ill. Brassières, corsets, and bathing suits. Serial No. 498,565; Nov. 19. Class 39.

Brown Company, Berlin, N. H., assignor to State Street Trust Company, trustee, Boston, Mass. Fibre conduits of pipes. Serial No. 499,113; Nov. 19. Class 12.

Brunk, Charles S., doing business as American Manufacturing Co. of L. A., Culver City, Calif. Trailer vehicles. Serial No. 500,163; Nov. 19. Class 19.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 491,150; Nov. 19. Class 6.

Campbell Products, Inc., New York, N. Y. Derivative of atropine, synthetically prepared. Serial No. 484,162; Nov. 19. Class 6.

Carsta Jewelry Company: *See*—
Ragosta, Carl.

Champagne Paper Corporation, Pisgah Forest, N. C. Booklets of paper sheets for use in forming pouches for smoking tobacco, etc. Serial No. 485,987; Nov. 19. Class 8.

Churchill, Wilma, Los Angeles, Calif. Periodical. Serial No. 484,392; Nov. 19. Class 38.

Clinton Industries, Inc., Chicago, Ill. Fudge candy. Serial No. 498,602; Nov. 19. Class 46.

Comet Class Yacht Racing Association, New York, N. Y. Sail boats and boat sails. Serial No. 484,519; Nov. 19. Class 19.

Continental Oil Company, Ponca City, Okla. Map booklets. Serial No. 485,525; Nov. 19. Class 38.

Cook-Waite Laboratories, Inc., New York, N. Y. Surgical instruments. Serial No. 502,272; Nov. 19. Class 44.

Cooked Rice: *See*—
McKay, Wells T.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 489,900; Nov. 19. Class 28.

Creighton, William M., Charleston, S. C. Costume jewelry. Serial No. 500,646; Nov. 19. Class 28.

Daniels, C. R., Inc., Hillsdale, Baltimore, Md. Duffel bags, knapsacks and uniform bags. Serial No. 498,505; Nov. 19. Class 3.

Daumit, Kay, Inc., Chicago, Ill. Gold plated purse containing dram bottle of perfume. Serial No. 500,959; Nov. 19. Class 28.

Davis & Lawrence Company, Dobbs Ferry, N. Y. Essences, extracts, syrups, etc. Serial No. 477,996; Nov. 19. Class 46.

Dayton Company, The, Minneapolis, Minn. Girls' dresses, play-suits, sweaters, etc. Serial No. 504,966; Nov. 19. Class 39.

Decro Products Company, The, Milwaukie, Oreg. Decorative material. Serial No. 499,211; Nov. 19. Class 50.

Desanno, A. P., & Son, Inc., Phoenixville, Philadelphia, Pa. Resin bonded grinding wheels. Serial No. 491,154; Nov. 19. Class 4.

Diamond Products Mfg. Co., Inc., New York, N. Y. Varnish and filler. Serial No. 474,790; Nov. 19. Class 16.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. Serial No. 491,753; Nov. 19. Class 37.

Duart Manufacturing Co., Ltd., San Francisco, Calif. Chemical hair waving pads and permanent hair waving solution. Serial No. 492,132; Nov. 19. Class 6.

Dunn Textile Company, Inc., New York, N. Y. Woolen fabrics in the piece. Serial No. 498,213; Nov. 19. Class 42.

Durant Insulated Pipe Company: *See*—
Isenberg, Alexander H.

East Side Tool and Die Works: *See*—
Morand, Donald A.

Ecofix Limited, Camberley, England. Plates and strips of common metal or metal alloys. Serial No. 489,573; Nov. 19. Class 14.

Eisenstadt Manufacturing Company, St. Louis, Mo. Watches. Serial No. 498,126; Nov. 19. Class 27.

Elbas Inc., New York, N. Y. Children's handbags. Serial No. 504,968; Nov. 19. Class 3.

Eximport Company of America, New York, N. Y. Strings for musical instruments. Serial No. 499,221; Nov. 19. Class 36.

Export & Import Development Corp., New York, N. Y. Eye glasses. Serial No. 499,617; Nov. 19. Class 26.

Fallon, Charles G., Boston, Mass. Precision tubing. Serial No. 493,541; Nov. 19. Class 14.

Fletcher, Roland A., San Diego, Calif. Weight-actuated electric switches. Serial No. 501,178; Nov. 19. Class 21.

Flintkote Company, The, New York, N. Y. Disinfecting, sterilizing and sanitizing compound. Serial No. 501,447; Nov. 19. Class 6.

Friedman, Sam, Paterson, N. J. Women's and children's shoes, play shoes, and slippers. Serial No. 491,405; Nov. 19. Class 39.

General Solvents Sales Company, Inc., Rochester, N. Y. Liquid solvent and cleaner. Serial No. 497,089; Nov. 19. Class 4.

Glaser Lead Co., Inc., Brooklyn, N. Y. Flexible couplings. Serial No. 499,948; Nov. 19. Class 13.

Grad, David, Company, New York, N. Y. Costume jewelry. Serial No. 494,901; Nov. 19. Class 28.

Great Lakes Steel Corporation, Wilmington, Del., and Ecorse, Mich. Readily erectable buildings, knock-down buildings, portable buildings, etc. Serial No. 498,563; Nov. 19. Class 12.

Greenblatt, Samuel, doing business as Monogram Soap Company, Hollywood, Calif. Cologne, after-shave, and talcum. Serial No. 498,692; Nov. 19. Class 6.

Handler, Joseph, doing business as Mercer Oil & Chemical Co., Philadelphia, Pa. Cleaning fluid. Serial No. 491,476; Nov. 19. Class 4.

Harte & Co., Inc., New York, N. Y. Thin, transparent or translucent sheets or films of vinyl resin plastic sold as piece goods. Serial No. 491,755; Nov. 19. Class 42.

Heim, M. Leo, Brooklyn, N. Y. Soaps, soap powder, soap cakes, etc. Serial No. 494,217; Nov. 19. Class 4.

Herbert Chemical Company, The, Cincinnati, Ohio. Solvent material to be sold to printers. Serial No. 498,696; Nov. 19. Class 4.

Hollywood Jewelry Manufacturing Co., Inc., Hollywood, Calif. Jewelry. Serial No. 500,660; Nov. 19. Class 28.

Hooper, Wm. E., & Sons Co., Baltimore, Md. Knitted cotton padding in the piece, cotton laundry pads, cover cloth, etc. Serial No. 499,627; Nov. 19. Class 24.

Hunter Douglas Corporation: *See*—
Hunter Engineering Co.

Hunter Engineering Co., Riverside, Calif., assignor to Hunter Douglas Corporation. Metal stock. Serial No. 496,240; Nov. 19. Class 14.

International Metal Polish Co., Inc., Indianapolis, Ind. Rubbing compound. Serial No. 483,321; Nov. 19. Class 4.

International Silver Company, Meriden, Conn. Sterling silver flat-ware and hollow-ware. Serial No. 500,170; Nov. 19. Class 28.

Isenberg, Alexander H., doing business as Durant Insulated Pipe Company, Palo Alto, Calif. Thermal insulated pipe and fittings, etc. Serial No. 500,171; Nov. 19. Class 13.

Isenberg, Alexander H., doing business as Durant Insulated Pipe Company, Palo Alto, Calif. Thermal insulated pipe and fittings, etc. Serial No. 506,531; Nov. 19. Class 13.
Jewett & Sherman Co., Milwaukee, Wis. Coffee, tea, cocoa, ground pepper, etc. Serial No. 480,323; Nov. 19. Class 46.
Kalamazoo Aero-Motive Manufacturing Company: *See*— Becker, Rodger F.
Kaufman, Abraham W., New York, N. Y. Ladies' and misses' hosiery, blouses, slips, etc. Serial No. 489,586; Nov. 19. Class 39.
Kay, George, West Orange, N. J. Paint. Serial No. 496,243; Nov. 19. Class 16.
Kerr Dental Manufacturing Company, Detroit, Mich., now by change of name to Kerr Manufacturing Company. Investment compounds of a ceramic nature. Serial No. 491,481; Nov. 19. Class 1.
Kerr Manufacturing Company: *See*— Kerr Dental Manufacturing Company.
Knoff, O. M., Inc., New York, N. Y. Electric bells; electric buzzers; electric transformers; etc. Serial No. 496,913; Nov. 19. Class 21.
Lesonier, Inc., Boston, Mass. Shower caps and make-up coveralls. Serial No. 479,885; Nov. 19. Class 39.
Livingston, Edw., & Sons, Kansas City, Mo. Dish cleaning preparation, soap powder, aluminum cleaning preparation, etc. Serial No. 498,783; Nov. 19. Class 4.
Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts therefor. Serial Nos. 499,721–2; Nov. 19. Class 19.
M. C. F. Manufacturing Co., Peabody, Mass. Leather substitute. Serial No. 499,723; Nov. 19. Class 50.
MacDougal, Stanley H., Prattsburgh, N. Y. Potatoes. Serial No. 498,292; Nov. 19. Class 46.
Maskuline Underwear Co., Inc., New York, N. Y. Men's and boys' outer shirts, sport jackets, pajamas, etc. Serial No. 497,394; Nov. 19. Class 39.
Mason Tackle, Otisville, Mich. Fishing line leaders. Serial No. 507,479; Nov. 19. Class 22.
Mathieson Alkali Works, (Inc.), The, New York, N. Y. Preparation for cleaning cream and milk cans. Serial No. 494,693; Nov. 19. Class 4.
McArthur, Warren, Corporation, Banram, Conn. Seats. Serial No. 495,202; Nov. 19. Class 19.
McCallum, Devitt & Ford, Chicago, Ill. Luminescent plastic molding powders. Serial No. 502,650; Nov. 19. Class 1.
McKay, Wells T., doing business as Cooked Rice, San Francisco, Calif. Dry and cooked rice. Serial No. 494,510; Nov. 19. Class 46.
Mercer Oil & Chemical Co.: *See*— Handler, Joseph.
Metalite, Inc., Meriden, Conn. Friction pyrophoric and catalytic cigar, cigarette, and pipe lighters, and parts for such lighters. Serial No. 506,332; Nov. 19. Class 34.
Micromaster Company, The, Chicago, Ill. Phonograph needles. Serial No. 499,259; Nov. 19. Class 36.
Midland Laboratories, Dubuque, Iowa. Waxes and polishes. Serial No. 498,300; Nov. 19. Class 16.
Minchenberg, Morton, New York, N. Y. Textile fabrics in the piece. Serial No. 498,710; Nov. 19. Class 42.
Monogram Soap Company: *See*— Greenblatt, Samuel.
Montres Choisi S. A., Locarno, Switzerland. Clocks, watches, watch cases, etc. Serial No. 490,203; Nov. 19. Class 27.
Morand, Donald A., doing business as East Side Tool and Die Works, Portland, Oreg. Metal Stampings. Serial No. 467,978; Nov. 19. Class 14.
Neilson Chemical Company, Detroit, Mich. Chemical preparation. Serial No. 489,599; Nov. 19. Class 6.
New Era Canning Company, New Era, Mich. Canned vegetables. Serial No. 475,731; Nov. 19. Class 46.
Noble Chemical Corporation, Chicago, Ill. Chemical cleaning compounds. Serial No. 482,216; Nov. 19. Class 4.
Osborn Manufacturing Company, The, Cleveland, Ohio. Camelhair dusters, counter and bench dusters, wall brushes, etc. Serial No. 479,441; Nov. 19. Class 29.
Ouvier Fashion Accessories, New York, N. Y. Earrings, ornamental clips, bar pins, etc. Serial No. 500,180; Nov. 19. Class 28.
Payne, Vernon W., St. Louis, Mo. Airplanes, and structural parts therefor. Serial No. 491,879; Nov. 19. Class 19.
Peerless Products Co., Memphis, Tenn. Automombile jacks. Serial No. 500,566; Nov. 19. Class 23.
Pep-Step Products, Lebanon, Pa. Arch supports. Serial No. 503,661; Nov. 19. Class 44.
Pieper, Joseph F., Covington, Ky. Silver polish and a jewel cleaner. Serial No. 496,659; Nov. 19. Class 4.
Plezo Manufacturing Corporation, New York, N. Y. Cleaners, soaps, and cleaning compounds. Serial No. 486,546; Nov. 19. Class 4.
Pioneer Suspender Company, Philadelphia, Pa. Travel cases. Serial No. 504,692; Nov. 19. Class 3.
Pitney-Bowes, Inc., Stamford, Conn. Post-marking machines having the functions of post-marking, stamp-cancelling, and counting mail, etc. Serial No. 498,310; Nov. 19. Class 26.
Preen Products, Minneapolis, Minn. Hand cleaner. Serial No. 496,980; Nov. 19. Class 4.
Ragosta, Carl, doing business as Carsta Jewelry Company, Providence, R. I. Brooches, earrings, pins, etc. Serial No. 499,916; Nov. 19. Class 28.
Richmond-Phillips, New York, N. Y. Soaps, shaving soaps, shaving creams, etc. Serial No. 496,574; Nov. 19. Class 4.
Richter, Julius, doing business as Twin City Manufacturing Company, Norfolk, Va. Vinegar. Serial No. 502,461; Nov. 19. Class 46.
Robbins & Myers, Inc., Springfield, Ohio. Rotary pumps and compressors. Serial No. 493,624; Nov. 19. Class 23.
Salem Steel & Supply Co., Salem, Oreg., assignor to Xpediter Corporation, Seattle, Wash. Motorized trucks. Serial No. 500,576; Nov. 19. Class 19.
Sallou Manufacturing Co., Inc., The, Rutherford, N. J. Toy bombs and manipulating devices therefor. Serial No. 493,696; Nov. 19. Class 22.
Schalet-Pollack Corporation, New York, N. Y. Lining fabrics. Serial No. 491,366; Nov. 19. Class 42.
Schmachtenberg, Richard, Union, N. J. Knives and scissors. Serial No. 491,736; Nov. 19. Class 23.
Scripto Manufacturing Company, Atlanta, Ga. Mechanical pencils and leads therefor. Serial No. 486,919; Nov. 19. Class 37.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal tar colors, coloring matters, dyestuffs (synthetic); etc. Serial No. 444,282; Nov. 19. Class 6.
Society of Chemical Industry in Basle, Basel, Switzerland. Coal tar colors, coloring matters, dyestuffs (synthetic); etc. Serial No. 444,284; Nov. 19. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Pneumatic tires, inner tubes for pneumatic tires, hose for connections in cooling systems of internal combustion engines, etc. Serial No. 494,580; Nov. 19. Class 35.
Staley Milling Company, North Kansas City, Mo. Chick feed. Serial No. 500,709; Nov. 19. Class 46.
Standard Oil Company of New Jersey, Wilmington, Del. Compound for reducing cold tests and viscosity of oils. Serial No. 499,922; Nov. 19. Class 6.
Standard Varnish Works, Staten Island, N. Y. Baking enamel. Serial No. 500,142; Nov. 19. Class 16.
State Street Trust Company, trustee: *See*— Brown Company.
Stern, J., Pharmacy: *See*— Stern, Jennie.
Stern, Jennie, doing business as J. Stern Pharmacy and Stern Pharmacists, Philadelphia, Pa. Preparation used in the treatment of athlete's foot. Serial No. 484,860; Nov. 19. Class 6.
Stern Pharmacists: *See*— Stern, Jennie.
Sureline Manufacturing Co., Chicago, Ill. Automobile repair and replacement parts, particularly for automobile ignitions. Serial No. 494,139; Nov. 19. Class 21.
Swan Shoe Company, Inc., Baltimore, Md. Slippers. Serial No. 485,667; Nov. 19. Class 39.
T. & V. Trailer Coach Mfg. Co., Houston, Tex. Trailer coaches. Serial No. 500,711; Nov. 19. Class 19.
Tado Handbags, assignor to Tado Hand Bags, Inc., Chicago, Ill. Ladies' handbags. Serial No. 484,507; Nov. 19. Class 3.
Tado Hand Bags, Inc.: *See*— Tado Handbags.
Telecomics, Inc., New York, N. Y. Comic feature motion picture films. Serial No. 503,401; Nov. 19. Class 26.
Television Associates, Inc., Chicago, Ill. Kaleidoscopic projectors. Serial No. 481,500; Nov. 19. Class 26.
Timber Structures, Inc., Portland, Oreg. Prefabricated airplane hangars. Serial No. 503,956; Nov. 19. Class 12.
Tobacco Machine Supply Company, Inc., Linden, N. J. Tobacco machines. Serial No. 499,866; Nov. 19. Class 23.
Treitel-Gratz Co., Inc., New York, N. Y. Beverage carts. Serial No. 504,718; Nov. 19. Class 32.
Tru-Kay Manufacturing Co., Providence, R. I. Costume jewelry. Serial No. 501,144; Nov. 19. Class 28.
Twin City Manufacturing Company: *See*— Richter, Julius.
Twin City Seed Company, Minneapolis, Minn. Soy bean seeds. Serial No. 500,429; Nov. 19. Class 1.
Union Bay State Chemical Co., Inc., Cambridge, Mass. Chlorinated synthetic rubber in powder form. Serial No. 496,287; Nov. 19. Class 1.
United Farms Co., Guadalupe, Calif. Fresh vegetables. Serial No. 498,871; Nov. 19. Class 46.
U. S. Vitamin Corporation, New York, N. Y. Brand of protein hydrolysates providing amino acids and polypeptides. Serial No. 499,973; Nov. 19. Class 6.
Valley Fruit Distributors, Victor, Calif. Fresh grapes. Serial No. 497,217; Nov. 19. Class 46.
Vineland Products Corp., Vineland, N. J. Easter egg colors. Serial No. 497,281; Nov. 19. Class 6.
Waldron & Company, Inc., Philadelphia, Pa. Fingerrings, precious stones, and mountings therefor, etc. Serial No. 501,033; Nov. 19. Class 28.

Waltham Watch Company, Waltham, Mass. Watches. Serial Nos. 500,434–5; Nov. 19. Class 27.
Westfield Manufacturing Company, The, Westfield, Mass. Bicycles. Serial Nos. 497,908–9; Nov. 19. Class 19.
Weyerhaeuser Sales Company, St. Paul, Minn. Rough and dressed lumber, millwork, shakes and shingles. Serial Nos. 499,975–6; Nov. 19. Class 12.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Flexible shafting. Serial No. 499,977; Nov. 19. Class 23.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Flexible mechanical shafting. Serial No. 499,978; Nov. 19. Class 23.
Whitlock Supply Co., The, New York, N. Y. Key blanks and keys. Serial No. 490,730; Nov. 19. Class 25.
Xpediter Corporation: *See*— Salem Steel & Supply Co.
Yale & Towne Manufacturing Company, The, New York, N. Y. Electrically operated trucks. Serial No. 500,339; Nov. 19. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

A. B. C. Co., Monticello, Ill. Diamond ring and jewelry cleaner. 425,463; Nov. 19. Class 4.
Acme Brick Company, Fort Worth, Tex. Elongated bricks. 425,476; Nov. 19. Class 12.
Aktiebolaget Dentosal, Stockholm, Sweden, to K. E. Luttropp, Boston, and Duxbury, Mass. Preparations for conservation of the teeth and the mouth. 187,986; renewed Aug. 12, 1944. O. G. Nov. 19. Class 6.
Altone Chemical Company: *See*— Karno, Hyman.
Amalgamated Dental Company Limited, The London, England. Bunsen burners. 216,653; renewed Aug. 17, 1946. O. G. Nov. 19. Class 26.
Amalgamated Dental Company Limited, The, London, England. Certain named dental apparatus and supplies. 216,674; renewed Aug. 17, 1946. O. G. Nov. 19. Class 44.
American Druggists Syndicate, Inc., Long Island City, N. Y. Medicine. 425,455; Nov. 19. Class 6.
American Lady Corset Co., Detroit, Mich. Certain articles of clothing for women, misses, and children. 213,500; renewed June 1, 1946. O. G. Nov. 19. Class 39.
Anderson Box Company, Indianapolis, Ind. Poultry equipment. 425,411; Nov. 19; Serial No. 491,792; published Aug. 13, 1946. Class 50.
Anheuser-Busch, Inc., St. Louis, Mo. Ginger ale. 220,901; renewed Nov. 16, 1946. O. G. Nov. 19. Class 45.
Anheuser-Busch, Inc., St. Louis, Mo. Ginger ale. 221,428; renewed Nov. 30, 1946. O. G. Nov. 19. Class 45.
Apothecaries House: *See*— Brennan, Edward J.
Aridor Company, The, Chicago, Ill. Closures for containers. 425,400; Nov. 19; Serial No. 456,503; published Aug. 27, 1946. Class 50.
Armao, Humbert, assignor to Monopearl, Inc., Providence, R. I. Jewelry. 425,478; Nov. 19. Class 28.
Auto Arc-Weld Manufacturing Co., The, Cleveland, Ohio. Clothesline reel. 425,462; Nov. 19. Class 24.
Automobiles Corre La Licorne, Seine, France, to Automobiles La Licorne, Courbevoie, (Seine) France. Automobiles. 214,831; renewed July 6, 1946. O. G. Nov. 19. Class 19.
Automobiles La Licorne: *See*— Automobiles Corre La Licorne.
Balfour, Arthur, & Company, Limited: *See*— Seebohm & Dieckstahl, Ld.
Banks, Al A., doing business as Lyk-Nu Company, New York, N. Y. Brake fluid. 425,450; Nov. 19. Class 6.
Banks, Al A., doing business as Lyk-Nu Company, New York, N. Y. Black chassis dressing in the nature of a paint, black touch-up enamel, white tire coating, etc. 425,451; Nov. 19. Class 16.
Bastrop Pulp & Paper Company, Bastrop, La., to International Paper Company, New York, N. Y. Kraft paper. 216,038; renewed Aug. 3, 1946. O. G. Nov. 19. Class 37.
Beck, Charles A., doing business as Bugle Petroleum Products, Pomona, Calif. Gasoline, and lubricating oils and greases. 425,416; Nov. 19; Serial No. 495,566; published Aug. 20, 1946. Class 15.
Belding Heminway Company: *See*— Corticelli Silk Company, The.
Bevan, Arthur, doing business as Bevan Beauty Products, Chicago, Ill. Cuticle softeners and stain removers. 425,467; Nov. 19. Class 6.
Bevan Beauty Products: *See*— Bevan, Arthur.
Biederman Motors Corporation, Cincinnati, Ohio. Motor trucks and buses. 425,479; Nov. 19. Class 19.
Bilt-Rite Shoe Co., to O. W. Metzger, doing business as Wetherhold & Metzger, Allentown, Pa. Leather boots and shoes. 216,937; renewed Aug. 24, 1946. O. G. Nov. 19. Class 39.
Black & White Milling Company, to Ultra-Life Laboratories, Inc., East St. Louis, Ill. Poultry feed. 212,649; renewed May 11, 1946. O. G. Nov. 19. Class 46.
Boyer, Paul, Paris, France. Perfumes, toilet waters, rouge, etc. 425,483; Nov. 19. Class 6.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 220,532; renewed Nov. 9, 1946. O. G. Nov. 19. Class 42.
Bradley, Milton, Company, Springfield, Mass. Game. 55,459; re-renewed Aug. 14, 1946. O. G. Nov. 19. Class 22.
Brenkert Light Projection Company, Detroit, Mich. Motion picture projection lamps. 425,447; Nov. 19. Class 26.
Brennan, Edward J., doing business as Apothecaries House, Hasbrouck Heights, N. J. Antiacid. 425,434; Nov. 19. Class 6.
British Portland Cement Manufacturers, Limited, The: *See*— Johnson, I. C., & Co., Limited.
Bromberg, Louis, Brooklyn, N. Y. Pianos. 425,404; Nov. 19; Serial No. 474,370; published Aug. 6, 1946. Class 36.
Brunner, Mond & Co., Limited, Northwich, to I. C. I. (Alkali), Limited, Slough, Buckinghamshire, England. Chlorid of ammonium, muriate of ammonia, or sal-ammoniac in the form of tablets. 54,612; re-renewed June 26, 1946. O. G. Nov. 19. Class 6.
Bugle Petroleum Products: *See*— Beck, Charles A.
Burgess Fabric Corp., New York, N. Y. Silk, rayon, cotton, and woolen fabrics. 425,452; Nov. 19. Class 42.
Burke & James, Inc., Chicago, Ill. Permanent coating for application to camera lenses. 425,442; Nov. 19. Class 26.
Cabot, Samuel, Inc., Boston, Mass. Heat insulator. 221,332; renewed Nov. 30, 1946. O. G. Nov. 19. Class 21.
California Cedar Products Company, Stockton, Calif. Plaster wall board and plaster lath. 217,142; renewed Aug. 24, 1946. O. G. Nov. 19. Class 12.
Canovaca, Rafael A., New York, N. Y. Educational cartoon drawings and strips. 425,421; Nov. 19; Serial No. 497,452; published Aug. 27, 1946. Class 38.
Celite Company, The, Los Angeles, Calif., to Johns-Manville Corporation, New York, N. Y. House organs and serial publications. 214,901; renewed July 6, 1946. O. G. Nov. 19. Class 38.
Central California Producers, to Central California Producers, Oakland, Calif. Oranges, lemons, and grapefruit. 220,502; renewed Nov. 9, 1946. O. G. Nov. 19. Class 46.
Chapin, Henry S., to Educational Foundations, Inc., Brooklyn, N. Y. Periodical magazines, etc. 213,287; renewed May 25, 1946. O. G. Nov. 19. Class 38.
Charmo Co., Inc.: *See*— Charmo Mfg. Co., Inc.
Charmo Mfg. Co., Inc., Matawan, N. J., now by change of name Charmo Co., Inc. Costume jewelry, sterling silver hollowware, and cosmetic compacts. 425,433; Nov. 19. Class 28.
Chateau Gay, Ltd., Lewiston, N. Y. Champagne and sparkling Burgundy. 425,420; Nov. 19; Serial No. 497,069; published Aug. 20, 1946. Class 47.
Chopak Textile Company Inc., New York, N. Y. Knitted and woven silks, artificial silks, cotton, etc. 221,746; renewed Dec. 7, 1946. O. G. Nov. 19. Class 42.
Clark, Mary, East Orange, N. J. Cough mixture. 425,445; Nov. 19. Class 6.
Climalene Company, The, Canton, Ohio. Cleaning preparation. 216,044; renewed Aug. 3, 1946. O. G. Nov. 19. Class 4.
Climaline Company, The, Canton, Ohio. Cleaning preparation. 216,428; renewed Aug. 10, 1946. O. G. Nov. 19. Class 4.
Cohen, Charles: *See*— Cohen, Jacob H.
Cohen, Jacob H., to C. Cohen, doing business as Peter Pan Shoe Stores, Brooklyn, N. Y. Children's leather shoes. 220,864; renewed Nov. 16, 1946. O. G. Nov. 19. Class 39.
Compañia Cubana de Alcohol, S. A., Habana, Cuba. Rum, gin, whiskey, etc. 425,403; Nov. 19; Serial No. 470,485; published Aug. 28, 1945. Class 49.
Compañia Cubana de Alcohol, S. A., Habana, Cuba. Rum, ethyl alcohol, whisky, etc. 425,525; Nov. 19. Class 49.
Conner & Walters Company, Inc., Charlotte, N. C. Hair dressing and medicine. 212,690; renewed May 11, 1946. O. G. Nov. 19. Class 6.
Cornish Wire Company, Incorporated, New York, to Cornish Wire Company, Incorporated, Paterson, N. J. Insulated and uninsulated wire. 220,559; renewed Nov. 9, 1946. O. G. Nov. 19. Class 21.

Cornish Wire Company, Incorporated, New York, to Cornish Wire Company, Incorporated, Paterson, N. J. Insulated and uninsulated wire. 220,830; renewed Nov. 16, 1946. O. G. Nov. 19. Class 21.

Corticelli Silk Company, The, Florence, Northampton, Mass., to Belding Heminway Company, New York, N. Y. Silk fabrics. 220,485; renewed Nov. 9, 1946. O. G. Nov. 19. Class 42.

Cuesta, Rey & Co., West Tampa, to Cuesta, Rey and Company, Tampa, Fla. Cigars. 57,584; re-renewed Nov. 13, 1946. O. G. Nov. 19. Class 17.

Cuesta, Rey and Company, Tampa, Fla. Cigars and cigarettes. 221,461; renewed Nov. 30, 1946. O. G. Nov. 19. Class 17.

Cuesta, Rey and Company: *See*—
Cuesta, Rey & Co.

Dare, Virginia, Extract Company, Inc., Brooklyn, N. Y. Food colors. 221,664; renewed Dec. 7, 1946. O. G. Nov. 19. Class 6.

Daussa, P., Corporation, New York, N. Y. Toothbrushes, brushes, etc. 425,427; Nov. 19. Class 29.

Davis, J. T., doing business as Davis Pharmacal Company, Miami, Fla. Preparation for the treatment of athlete's foot. 425,441; Nov. 19. Class 6.

Davis Pharmacal Company: *See*—
Davis, J. T.

Delmarle, Nance M., Rochester, N. Y. Mustard sauce and salad dressing. 214,894; renewed July 6, 1946. O. G. Nov. 19. Class 46.

Dickinson, Albert, Company, The, Chicago, Ill. Mixed grass-seed. 57,822; re-renewed Nov. 27, 1946. O. G. Nov. 19. Class 1.

Direct Mattress Co., Dallas, Tex. Cotton mattresses. 425,473; Nov. 19. Class 32.

Dominion Chemical Co., Inc., New York, N. Y. Fuel oil tank treatment. 425,468; Nov. 19. Class 6.

Dyer, D. L., doing business as Hobby Stationers, Kansas City, Mo. Stationery. 425,407; Nov. 19; Serial No. 483,764; published Oct. 9, 1945. Class 37.

Eastman Kodak Company, to Eastman Kodak Company, Rochester, N. Y. Photographic films. 214,656; renewed June 29, 1946. O. G. Nov. 19. Class 26.

Edge, William, & Sons, Limited, Bolton, to William Edge & Sons, Limited, Brownlowfold, Bolton, England. Dyes for treating fabrics. 55,725; re-renewed Aug. 21, 1946. O. G. Nov. 19. Class 6.

Edge, William, & Sons Limited, Bolton, to William Edge & Sons, Limited, Brownlowfold, Bolton, England. Laundry blue. 57,205; re-renewed Nov. 6, 1946. O. G. Nov. 19. Class 6.

Edge, William, & Sons Limited, Bolton, to William Edge & Sons, Limited, Brownlowfold, Bolton, England. Dyes. 57,874; re-renewed Nov. 27, 1946. O. G. Nov. 19. Class 6.

Educational Foundations, Inc.: *See*—
Chapin, Henry S.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Gloves and mittens. 51,270; re-renewed Apr. 10, 1946. O. G. Nov. 19. Class 39.

Elten, David, doing business as Regal Pearl and Jewelry Co., New York, N. Y. Pearls, artificial pearls, and jewelry. 425,484; Nov. 19. Class 28.

Elder Mfg. Co., St. Louis, Mo. Cloth of cotton, linen, silk, etc. 221,375; renewed Nov. 30, 1946. O. G. Nov. 19. Class 42.

English China Clays Limited, to English Clays Lovering Pochin Co. Ltd., St. Austell, England. Colloidal clays. 215,302–3; renewed July 13, 1946. O. G. Nov. 19. Class 6.

English China Clays, Limited, to English Clays Lovering Pochin Co. Ltd., St. Austell, England. Colloidal clays. 215,819–20; renewed July 27, 1946. O. G. Nov. 19. Class 1.

English Clays Lovering Pochin Co. Ltd.: *See*—
English China Clays Limited.

Esmond Mills, The, to The Esmond Mills, Incorporated, Esmond, Smithfield, R. I. Textile blankets. 220,980; renewed Nov. 23, 1946. O. G. Nov. 19. Class 42.

Esmond Mills, Incorporated, The: *See*—
Esmond Mills, The.

Fashion Craft Jewelry Co., Inc., New York, N. Y. Ornamental clip pins. 425,481; Nov. 19. Class 28.

Feist, Leo, to Leo Feist, Inc., New York, N. Y. Sheet-music and music-books. 54,074; re-renewed June 19, 1946. O. G. Nov. 19. Class 38.

Feist, Leo, Inc.: *See*—
Feist, Leo.

Ferncliff Feed & Grain Co., Louisville, Ky. Feeds and feedstuffs. 221,721; renewed Dec. 7, 1946. O. G. Nov. 19. Class 46.

Finchley, Inc., New York, N. Y. Men's coats, vests, pants, etc. 222,605; renewed Jan. 4, 1946. O. G. Nov. 19. Class 39.

Food Machinery Corporation: *See*—
Niagara Sprayer Company.

Forstner Chain Corporation, Irvington, N. J. Wrist watch bracelets. 425,446; Nov. 19. Class 28.

Franek, Eugene P., doing business under the name Franek's Wholesale Liquor, New Orleans, La. Wine. 425,423; Nov. 19; Serial No. 500,070; published Aug. 20, 1946. Class 47.

Franek's Wholesale Liquor: *See*—
Franek, Eugene P.

Freece-Larsen, Inc., Norristown, Pa. Flags. 425,401; Nov. 19; Serial No. 470,073; published Aug. 13, 1946. Class 50.

Fren Trading Corporation: *See*—
Tish Products Corporation.

Gavalla & Zannos, New York, N. Y. Olive oil. 208,262; renewed Jan. 26, 1946. O. G. Nov. 19. Class 46.

General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.

Germanow-Simon Machine Co., Rochester, N. Y. Watch crystals. 425,414; Nov. 19; Serial No. 495,027; published Aug. 6, 1946. Class 33.

Gibson, C Rex, doing business as Gibson Company, Harlan, Iowa. Bowl containing seeds, growing material and plant food, etc. 425,418; Nov. 19; Serial No. 496,232; published Aug. 20, 1946. Class 50.

Gibson Company: *See*—
Gibson, C Rex.

Goodrich, B. F., Company, The, Akron, Ohio, to The Palmer Tyre Limited, London, England. Pneumatic tires. 53,744; re-renewed June 12, 1946. O. G. Nov. 19. Class 35.

Goodyear Tire and Rubber Company, The, Akron, Ohio. Rubber tires. 56,752–3; re-renewed Oct. 16, 1946. O. G. Nov. 19. Class 35.

Goodyear Tire and Rubber Company, The, Akron, Ohio. Rubber tires. 56,756; re-renewed Oct. 16, 1946. O. G. Nov. 19. Class 35.

Goodyear Tire and Rubber Company, The, Akron, Ohio. Horseshoe-pads, rubber tiling, and rubber heels and soles. 57,590; re-renewed Nov. 13, 1946. O. G. Nov. 19. Classes 3, 12, and 39.

Gordon Baking Company, Detroit, Mich. Bread. 216,160; renewed Aug. 3, 1946. O. G. Nov. 19. Class 46.

Gordon Baking Company, Detroit, Mich. Bread. 217,282; renewed Aug. 31, 1946. O. G. Nov. 19. Class 46.

Gordon & Ferguson, Inc., to Gordon & Ferguson, Inc., St. Paul, Minn. Leather blouses, leather vests, sheep-lined jackets, etc. 217,643; renewed Sept. 7, 1946. O. G. Nov. 19. Class 39.

Gordon, Leonard, doing business as Grocers Packing Company, Los Angeles, Calif. Gelatine dessert powders. 425,428; Nov. 19. Class 46.

Gould Storage Battery Company, Inc., New York, N. Y., to National Battery Company, St. Paul, Minn. Current-supply devices. 221,742; renewed Dec. 7, 1946. O. G. Nov. 19. Class 21.

Grant, George S., to William H. S. Grant, doing business as G. & J. G. Smith, Inveraven, Scotland. Pure malt Scotch whisky. 53,002; re-renewed May 22, 1946. O. G. Nov. 19. Class 49.

Grant, William H. S.: *See*—
Grant, George S.

Graves, C. H., & Sons Co.: *See*—
Zakon, William, & Sons.

Great Bear Spring Company, New York, N. Y. Table water. 220,932; renewed Nov. 16, 1946. O. G. Nov. 19. Class 45.

Grigg, George E., Jr., Burlingame, Calif. Hand soap. 425,412; Nov. 19; Serial No. 493,118; published Aug. 13, 1946. Class 4.

Grocers Packing Company: *See*—
Gordon, Leonard.

Grosset & Dunlap, Inc., New York, N. Y. Books. 425,454; Nov. 19. Class 38.

Guilpin, Bernard, doing business as Laboratoires Garnier, Blois, France, to Laboratoire Garnier, Société à Responsibilité Limitée, Paris, France. Lotion for the hair. 214,021; renewed June 8, 1946. O. G. Nov. 19. Class 6.

H. R. Laboratories, Inc.: *See*—
Lower & Co., Inc.

Hagan & Dodd Co., to The Red Rock Company, Atlanta, Ga. Ginger-ale. 57,023; re-renewed Oct. 30, 1946. O. G. Nov. 19. Class 45.

Haggerty Refining Company, New York, N. Y. Lubricating oils and greases. 58,255; re-renewed Dec. 11, 1946. O. G. Nov. 19. Class 15.

Halfer Engineering Company, Chicago, Ill. Toy plastic molding sets. 425,461; Nov. 19. Class 22.

Hershman Musical Instrument Co.: *See*—
Hershman, Samuel.

Hershman, Samuel, doing business as Hershman Musical Instrument Co., New York, N. Y. Musical instruments. 425,413; Nov. 19; Serial No. 493,958; published Aug. 20, 1946. Class 36.

Hobby Stationers: *See*—
Dyer, D. L.

Ho-Ro-Co Manufacturing Company, St. Louis, Mo. Certain named medicinal preparations. 219,788; renewed Oct. 26, 1946. O. G. Nov. 19. Class 6.

I. C. I. (Alkali), Limited: *See*—
Brunner, Mond & Co., Limited.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main and Ludwigshaffen-on-the-Rhine, Germany, to General Dyestuff Corporation, New York, N. Y. Solvent. 221,250; renewed Nov. 23, 1946. O. G. Nov. 19. Class 6.

International Paper Company: *See*—
Bastrop Pulp & Paper Company.

International Silver Company, Meriden, Conn. Silver-plated flatware. 425,435; Nov. 19. Class 28.

Italian Swiss Colony, San Francisco, Calif. Grape juice. 213,106; renewed May 18, 1946. O. G. Nov. 19. Class 47.

Jafber Mfg. & Sales Co., assignor to W. Jaffa, Minneapolis, Minn. Antisiphoning theft guards. 425,424; Nov. 19. Class 13.

Jaffa, William: *See*—
Jafber Mfg. & Sales Co.

Johns-Manville Corporation: *See*—
Celite Company, The.

Johnson, I. C., & Co., Limited, to The British Portland Cement Manufacturers, Limited, London, England. Portland cement. 54,785; re-renewed July 31, 1946. O. G. Nov. 19. Class 12.

Kamen Soap Products Co., Inc., New York, N. Y. Soap and soap powder. 425,477; Nov. 19. Class 4.

Karno, Hyman, doing business as Altone Chemical Company, New Orleans, La. Insecticide. 425,432; Nov. 19. Class 6.

Kellom, Charles F., Philadelphia, to Chas. F. Kellom & Co., Inc., Holmesburg, Philadelphia, Pa. Lubricating oils and grease. 53,727; re-renewed June 12, 1946. O. G. Nov. 19. Class 15.

Kellom, Chas. F., & Co., Inc.: *See*—
Kellom, Charles F.

Kickapoo Indian Medicine Co., The, Clintonville, Conn., to Standard Laboratories, Inc., New York, N. Y. Remedies for the blood, skin, throat, etc. 58,043; re-renewed Dec. 4, 1946. O. G. Nov. 19. Class 6.

Koppers Company, Inc.: *See*—
Tar Products Corporation.

Kramer, Charles A., doing business as Southern California Fruit Products Company, La Crescenta and Los Angeles, Calif. Bottled lemon juice. 425,406; Nov. 19; Serial No. 482,748; published July 2, 1946. Class 46.

Laboratoire Garnier, Société à Responsibilité Limitée: *See*—
Guilpin, Bernard.

Laboratoires Garnier: *See*—
Guilpin, Bernard.

Lamont, Corliss & Company, New York, N. Y. Chocolate coatings. 211,415; renewed Apr. 13, 1946. O. G. Nov. 19. Class 46.

Lamplough, Francis E., Birmingham, England, to Vitaglass Corporation, New York, N. Y. Plate glass and glass in bulk. 220,888; renewed Nov. 16, 1946. O. G. Nov. 19. Class 33.

Lastikpli Laboratories: *See*—
Plastikpli Laboratories, Inc.

Leef-Schniebolk Co., New York, N. Y. Fresh tomatoes. 425,430; Nov. 19. Class 46.

Londontown Clothes, Inc., to I. Myers, Baltimore, Md. Men's coats, vests, pants, etc. 212,660; renewed May 11, 1946. O. G. Nov. 19. Class 39.

Lower & Co., Inc., to H. R. Laboratories, Inc., New York, N. Y. Lipsticks. 209,105; renewed Feb. 16, 1946. O. G. Nov. 19. Class 6.

Luttropp, Knut E.: *See*—
Aktiebolaget Dentosal.

Lyk-Nu Company: *See*—
Banks, Al A.

Marshall, Z. S., & Co., New York, N. Y. Sets consisting of pair of pajamas and slippers. 425,448; Nov. 19. Class 39.

Martin, Ezra W., to Ezra W. Martin Company, Lancaster, Pa. Bologna sausage and pork products. 221,572; renewed Dec. 7, 1946. O. G. Nov. 19. Class 46.

Martin, Ezra W., Company: *See*—
Martin, Ezra W.

Martin, J. D., Fresno, Calif. Fresh vegetables, fresh deciduous fruits, fresh citrous fruits, etc. 221,599; renewed Dec. 7, 1946. O. G. Nov. 19. Class 46.

Martin, L., Company, The, New York, N. Y. Lamp and gas black. 55,089; re-renewed Aug. 7, 1946. O. G. Nov. 19. Class 1.

Martin, L., Company, The, New York, N. Y. Lampblacks and carbon black. 219,839; renewed Oct. 26, 1946. O. G. Nov. 19. Class 16.

Massachusetts Cotton Mills, Lowell, to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 53,824–6; re-renewed June 12, 1946. O. G. Nov. 19. Class 42.

Massachusetts Cotton Mills, Lowell, to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 53,832–4; re-renewed June 12, 1946. O. G. Nov. 19. Class 42.

Massachusetts Cotton Mills, Lowell, to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 53,925; re-renewed June 12, 1946. O. G. Nov. 19. Class 42.

Massachusetts Cotton Mills, Lowell, to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 54,558; re-renewed June 26, 1946. O. G. Nov. 19. Class 42.

Mauser Mill Company, Laurys, to Mauser Mill Company, Treichlers, Pa. Wheat flour. 214,841; renewed July 6, 1946. O. G. Nov. 19. Class 46.

Mayfield Company, Incorporated, Glendale, Calif. Camera tilt heads, tripods, and print rollers. 425,482; Nov. 19. Class 26.

McCurrach Organization, New York, N. Y. Men's precious metal necktie clips. 425,438–9; Nov. 19. Class 28.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical magazine. 425,443; Nov. 19. Class 38.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical. 425,459; Nov. 19. Class 38.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazine. 425,474; Nov. 19. Class 38.

Mendelsohn, Rose R., doing business as National Novelties, Chicago, Ill. Cold wave kits. 425,409; Nov. 19; Serial No. 487,912; published Aug. 6, 1946. Class 50.

Mennen Company, The, Newark, N. J. Powder for treating prickly heat. 425,458; Nov. 19. Class 6.

Metadier, Paul, Tours, to Société Civile D'Exploitation de Marques, Paris, France. Analgesic tablets for certain named ailments. 157,360; renewed Aug. 1, 1942. O. G. Nov. 19. Class 6.

Metzger, Owen W.: *See*—
Bilt-Rite Shoe Co.

Miller Protecto Products Company, Kalamazoo, Mich. Chemical spray. 425,469; Nov. 19. Class 6.

Millers Soap Company, Reading, Pa. Soaps. 218,720; renewed Oct. 5, 1946. O. G. Nov. 19. Class 4.

Milton, Michael, doing business as Milton Paper Company, to Milton Paper Company, Inc., New York, N. Y. Ledger paper, mimeograph paper, cards, etc. 216,296; renewed Aug. 10, 1946. O. G. Nov. 19. Class 37.

Milton Paper Company: *See*—
Milton, Michael.

Milton Paper Company, Inc.: *See*—
Milton, Michael.

Mittelmark, Sadye, New Rochelle, N. Y. Magazine. 425,480; Nov. 19. Class 38.

Model Mill Co., Jackson, Tenn. Wheat flour. 212,701; renewed May 11, 1946. O. G. Nov. 19. Class 46.

Moench, R. G., & Co., Inc., New York, N. Y. Edible powdered mixture for use in the manufacture of frozen confections. 425,444; Nov. 19. Class 46.

Monopearl, Inc., assignee: *See*—
Armao, Humbert.

Morrison Bros. Seed Company: *See*—
Morrison Seed Company.

Morrison Seed Company, Spokane, to Morrison Bros. Seed Company, Dishman, Wash. Garden and field seeds. 220,175; renewed Nov. 2, 1946. O. G. Nov. 19. Class 1.

Myers, Israel: *See*—
Londontown Clothes, Inc.

National Battery Company: *See*—
Gould Storage Battery Company, Inc.

National Lead Company, New York, N. Y. Strip and wire solders. 425,426; Nov. 19. Class 14.

National Novelties: *See*—
Mendelsohn, Rose R.

National Record Company, Phillipsburg, N. J. Musical phonograph records. 425,402; Nov. 19; Serial No. 470,382; published Nov. 14, 1944. Class 36.

Niagara Sprayer Company, Middleport, N. Y., to Feed Machinery Corporation, San Jose, Calif. Parasiticides. 219,593–7; renewed Oct. 19, 1946. O. G. Nov. 19. Class 6.

Nichols, Howard E., St. Louis, to H. E. Nichols, Kirkwood, Mo. Hair tonics, stains, removers, etc. 53,933; re-renewed June 12, 1946. O. G. Nov. 19. Class 6.

Nichols, J. N., & Co.: *See*—
Nichols, John N.

Nichols, J. N., & Company, Limited: *See*—
Nichols, John N.

Nichols, John N., doing business as J. N. Nichols & Co., Salford, to J. N. Nichols & Company, Limited, Manchester, England. Nonalcoholic, maltless beverages. 215,478; July 20, 1946. O. G. Nov. 19. Class 45.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 214,277; renewed June 15, 1946. O. G. Nov. 19. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 219,290; renewed Oct. 21, 1946. O. G. Nov. 19. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 220,792; renewed Nov. 16, 1946. O. G. Nov. 19. Class 37.

Oliver Instrument Company, Adrian, Mich. House organ. 425,422; Nov. 19; Serial No. 498,073; published Aug. 27, 1946. Class 38.

Ottawa Silica Company: *See*—
United States Silica Co.

Pacific Portland Cement Co., to Pacific Portland Cement Company, San Francisco, Calif. Portland cement. 54,476; re-renewed June 26, 1946. O. G. Nov. 19. Class 12.

Pacific Portland Cement Company: *See*—
Pacific Portland Cement Co.

Palmer Tyre Limited, The: *See*—
Goodrich, B. F., Company, The.

Pelling, Stanley, & Co. Ltd., Liverpool, England. Canned salmon. 221,171; renewed Nov. 23, 1946. O. G. Nov. 19. Class 46.

Pepperell Manufacturing Company: *See*—
Massachusetts Cotton Mills.

Pepsin Syrup Company, Monticello, Ill., to Sterling Drug Inc., Wilmington, Del. Preparation for the treatment of constipation and conditions resulting from it. 219,588; renewed Oct. 19, 1946. O. G. Nov. 19. Class 6.

Peter Pan Shoe Stores: *See*—
Cohen, Jacob H.

Pickering Lumber Corporation: *See*—
Pickering, W. R., Lumber Company.

Pickering, W. R., Lumber Company, Pickering, La., and Kansas City, Mo., to Pickering Lumber Corporation, Standard, Calif. Lumber. 215,857; renewed July 27, 1946. O. G. Nov. 19. Class 12.

Pierce, Ray V., to Pierce's Proprietaries, Inc., Buffalo, N. Y. Remedy for coughs, bronchitis, laryngitis, etc. 57,518; re-renewed Nov. 13, 1946. O. G. Nov. 19. Class 6.

Pierce, Ray V., to Pierce's Proprietaries, Inc., Buffalo, N. Y. Remedy for chronic weaknesses and complaints peculiar to females. 58,414; re-renewed Dec. 11, 1946. O. G. Nov. 19. Class 6.

Pierce's Proprietaries, Inc: *See*—
Pierce, Ray V.

Piper, Homer O., Park Ridge, Ill. Candy. 425,464; Nov. 19. Class 46.

Plant Products Company, assignor to Plant Products Corporation, Blue Point, N. Y. Insecticides. 425,431; Nov. 19. Class 6.

Plant Products Corporation, assignee: *See*—
Plant Products Company.

Plastikpli Laboratories, Inc., also doing business as Lastikpli Laboratories, Chicago, Ill. Ready-mixed paint, varnish, paint. enamel, etc. 425,415; Nov. 19; Serial No. 495,498; published Aug. 20, 1946. Class 16.

Pure Oil Company, The, Chicago, Ill. Lubricating oil. 425,399; Nov. 19; Serial No. 441,634; published Apr. 24, 1945. Class 15.

Rabin, Benjamin J., doing business as Robin Packing Co., New York, N. Y. Cheese. 214,134; renewed June 15, 1946. O. G. Nov. 19. Class 46.

Railton, B. A., Co., Chicago, Ill. Paper bags and cases. 220,882–3; renewed Nov. 16, 1946. O. G. Nov. 19. Class 2.

Railton, B. A., Co., Chicago, Ill. Nonalcoholic maltless sirup. 220,894; renewed Nov. 16, 1946. O. G. Nov. 19. Class 45.

Ready Reference Publishing Co. Inc., The, New York, N. Y. Semiannual publications. 213,382; renewed May 25, 1946. O. G. Nov. 19. Class 38.

Red Hand Compositions Company, Inc.: *See*—
Suter Hartmann & Rahtjen's Composition Company, Limited.

Red Rock Company, The: *See*—
Hagan & Dodd Co.

Reflecto Letters Co., New York, N. Y. Luminous letters and numbers. 425,410; Nov. 19; Serial No. 489,146; published Aug. 6, 1946. Class 50.

Regal Pearl and Jewelry Co.: *See*—
Elten; David.

Rhodes Plastic Products, Inc., New York, N. Y. Garment hangers. 425,408; Nov. 19; Serial No. 485,421; published July 23, 1946. Class 50.

Rice, A. H., Co.: *See*—
Rice, A. H., & Co.

Rice, A. H., & Co., to A. H. Rice Co., Pittsfield, Mass. Silk thread. 53,104; re-renewed May 29, 1946. O. G. Nov. 19. Class 43.

Robin Packing Co.: *See*—
Rabin, Benjamin J.

Rogue River Packing Corporation, Medford, Oreg. Canned fruits. 425,472; Nov. 19. Class 46.

Royal Beauty Supply Co., Inc.: *See*—
Royal Perfume Company, Inc.

Royal Perfume Company, Inc., to Royal Beauty Supply Co., Inc., New Orleans, La. Chemical preparation. 208,221; renewed Jan. 19, 1946. O. G. Nov. 19. Class 6.

Ruppert, Jacob, to J. Ruppert, New York, N. Y. Beer. 55,161; re-renewed Aug. 7, 1946. O. G. Nov. 19. Class 48.

Schulze and Burch Biscuit Co.: *See*—
Schulze, Paul, Biscuit Co.

Schulze, Paul, Biscuit Co., to Schulze and Burch Biscuit Co., Chicago, Ill. Bakery goods. 221,350; renewed Nov. 30, 1946. O. G. Nov. 19. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Nest eggs, portable stock and poultry feders and waterers, etc. 425,405; Nov. 19; Serial No. 479,534; published Aug. 6, 1946. Class 50.

Sears, Roebuck and Co., Chicago, Ill. Water-repellent toxic wood preservative. 425,460; Nov. 19. Class 6.

Seebohm & Dieckstahl, Ltd., to Arthur Balfour & Company, Limited, Sheffield, England. Steel in bars, sheets, wire, etc. 57,612; re-renewed Nov. 13, 1946. O. G. Nov. 19. Class 14.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Pens and pencils. 217,404; renewed Aug. 31, 1946. O. G. Nov. 19. Class 37.

Sipe, James B., & Co., Allegheny, to James B. Sipe & Co., Pittsburgh, Pa. Painting, staining, and graining oil. 49,863; re-renewed Feb. 20, 1946. O. G. Nov. 19. Class 16.

Slavin, Robert F., & Co., New York, N. Y. Watches. 425,456; Nov. 19. Class 27.

Smith, G. & J. G.: *See*—
Grant, George S.

Smith and Welton Incorporated, Norfolk, Va. Certain named wearing apparel for men, ladies, and misses. 214,844; renewed July 6, 1946. O. G. Nov. 19. Class 39.

Société Civile D'Exploitation de Marques: *See*—
Metadier, Paul.

Southern California Fruit Products Company: *See*—
Kramer, Charles A.

Spray, Incorporated, Newark, N. J. Insecticides. 425,436; Nov. 19. Class 6.

Spreiregen, Jacob H., doing business as Sudzit Company, Jamaica Plain, assignor to Sudzit Company, Boston, Mass. Synthetic detergent powder. 425,429; Nov. 19. Class 4.

Stahmer Coal Company, Chicago, Ill. Smithing coal. 219,806; renewed Oct. 26, 1946. O. G. Nov. 19. Class 1.

Stanco Incorporated: *See*—
Standard Oil Company (New Jersey).

Standard Laboratories, Inc.: *See*—
Kickapoo Indian Medicine Co.

Standard Oil Company (New Jersey), Bayonne, N. J., and New York, N. Y., to Stanco Incorporated, New York, N. Y. Insecticides, deodorants, and disinfectants. 217,316; renewed Aug. 31, 1946. O. G. Nov. 19. Class 6.

Standard Oil Company (New Jersey), Bayonne, N. J., and New York, N. Y., to Stanco Incorporated, New York, N. Y. Detergent. 217,384–6; renewed Aug. 31, 1946. O. G. Nov. 19. Class 4.

Standard Oil Company (New Jersey), Bayonne, N. J., and New York, N. Y., to Stanco Incorporated, New York, N. Y. Insecticides, deodorants, and disinfectants. 219,584; renewed Oct. 19, 1946. O. G. Nov. 19. Class 6.

Standard Thread Company, Inc., New York, N. Y. Thread. 220,846; renewed Nov. 16, 1946. O. G. Nov. 19. Class 43.

Stanley Works, The, New Britain, Conn. Fasteners for trunks, blinds, shutters, etc. 57,983; re-renewed Dec. 4, 1946. O. G. Nov. 19. Class 13.

Stearns, Frederick, & Company, Detroit, Mich., to Sterling Drug Inc., Wilmington, Del. Anæmia compound. 220,804; renewed Nov. 16, 1946. O. G. Nov. 19. Class 6.

Sterling Drug Inc.: *See*—
Pepsin Syrup Company.
Stearns, Frederick, & Company.

Sudzit Company, assignee: *See*—
Spreiregen, Jacob H.

Suter Hartmann & Rahtjen's Composition Company, Limited, London, England, to Red Hand Compositions Company, Inc., New York, N. Y. Enamel oil-paint. 56,801; re-renewed Oct. 16, 1946. O. G. Nov. 19. Class 16.

Suter Hartmann & Rahtjen's Composition Company, Limited, London, England, to Red Hand Compositions Company, Inc., New York, N. Y. Anticorrosive and antifouling paints. 56,802; re-renewed Oct. 16, 1946. O. G. Nov. 19. Class 16.

Tar Products Corporation, Providence and East Providence, R. I., to Koppers Company, Inc., Pittsburgh, Pa. Creosote oil, tar acid oil, disinfectants, etc. 217,098–9; renewed Aug. 24, 1946. O. G. Nov. 19. Class 6.

Tar Products Corporation, Providence and East Providence, R. I., to Koppers Company, Inc., Pittsburgh, Pa. Certain kinds of tar and pitch. 217,143; renewed Aug. 24, 1946. O. G. Nov. 19. Class 1.

Thomas Textile Service Co., Philadelphia, Pa. Collar canvas. 425,470–1; Nov. 19. Class 42.

Thomson Machine Company, Belleville, N. J. Loaf molders. 221,164; renewed Nov. 23, 1946. O. G. Nov. 19. Class 23.

Tingue, Brown & Co., New York, N. Y. Printing press blankets. 425,419; Nov. 19; Serial No. 497,055; published Aug. 6, 1946. Class 50.

Tish Products Corporation, assignor to Fren Trading Corporation, Brooklyn, N. Y. Soap in powdered form. 425,417; Nov. 19; Serial No. 495,704; published Aug. 27, 1946. Class 4.

Tomkins-Johnson Company, The, Jackson, Mich. Metal-working mills and cutters, tool chucks, etc. 219,850; renewed Oct. 26, 1946. O. G. Nov. 19. Class 23.

Toupal, John, & Co., Caldwell, Tex. Liniment. 425,449; Nov. 19. Class 6.

True Comics, Inc., New York, N. Y. Periodical. 425,440; Nov. 19. Class 38.

Tuftex Company, New York, N. Y. Bedspreads, draperies, rugs, etc. 425,453; Nov. 19. Class 42.

Twitchell-Champlin Co., The: *See*—
Twitchell-Champlin Company, The.

Twitchell-Champlin Company, The, Portland, Maine, and Boston, Mass., to The Twitchell-Champlin Co., Portland, Maine. Camphorated oil, glycerin, liquid bluing, castor oil. 218,475–6; renewed Sept. 28, 1946. O. G. Nov. 19. Class 6.

Twitchell-Champlin Company, The, Portland, Maine, and Boston, Mass., to The Twitchell-Champlin Co., Portland, Maine. Canned apples, apricots, blueberries, etc. 221,405; renewed Nov. 30, 1946. O. G. Nov. 19. Class 46.

Ultra-Life Laboratories, Inc.: *See*—
Black & White Milling Company.

United Shoe Machinery Company, Boston, Mass., to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass. Leather welted boots and shoes. 54,185; re-renewed June 19, 1946. O. G. Nov. 19. Class 39.

United Shoe Machinery Corporation: *See*—
United Shoe Machinery Company.

United States Silica Co., Chicago, to Ottawa Silica Company, Ottawa, Ill. Sand. 220,182; renewed Nov. 2, 1946. O. G. Nov. 19. Class 1.

University Avenue Coal Co., Inc., Des Moines, Iowa. Coal. 220,288; renewed Nov. 9, 1946. O. G. Nov. 19. Class 1.

Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Certain named painters' materials. 221,227; renewed Nov. 23, 1946. O. G. Nov. 19. Class 16.

Valentine & Company, Inc.: *See*—
Valentine & Company.

Van Patten Pharmaceutical Co., Chicago, Ill. Sodium ascorbate. 425,437; Nov. 19. Class 6.

Vitaglass Corporation: *See*—
Lamplough, Francis E.

Warren Featherbone Co., The, to The Warren Featherbone Co., Three Oaks, Mich. Stiffening cords, blades, tapes, etc. 54,905–6; re-renewed July 31, 1946. O. G. Nov. 19. Class 40.

Warren Tool Corporation: *See*—
Warren Tool and Forge Co., The.

Warren Tool and Forge Co., The, to Warren Tool Corporation, Warren, Ohio. Chisels. 208,748; renewed Feb. 9, 1946. O. G. Nov. 19. Class 23.

Warren Tool and Forge Co., The, to Warren Tool Corporation, Warren, Ohio. Mauls. 208,749; renewed Feb. 9, 1946. O. G. Nov. 19. Class 23.

Weigel, Car B., Salem, Oreg. Publication. 425,457; Nov. 19. Class 38.

Wellington Sears Company: *See*—
Wellington, Sears & Co.

Wellington, Sears & Co., Boston, Mass., to Wellington Sears Company, New York, N. Y. Cotton duck. 56,979–80; re-renewed Oct. 30, 1946. O. G. Nov. 19. Class 42.

Wells Manufacturing Company, San Francisco, Calif. Electrical waffle irons and waffle bakers. 218,362; renewed Sept. 28, 1946. O. G. Nov. 19. Class 21.

Wetherhold & Metzger: *See*—
Bilt-Rite Shoe Co.

Wishnick-Tumpeer Chemical Co., to Witco Chemical Company, Chicago, Ill. Lithophone. 221,163; renewed Nov. 23, 1946. O. G. Nov. 19. Class 16.

Witco Chemical Company: *See*—
Wishnick-Tumpeer Chemical Co.

Women's Wear Company, New York, N. Y. Title for a section in a newspaper. 425,475; Nov. 19. Class 38.

Wright, E. H., Company, Ltd., The, Kansas City, Mo. Liquid smoke distilled from wood. 53,070; re-renewed May 22, 1946. O. G. Nov. 19. Class 6.

Young, Paul, assignor to Institut Pasteur, Paris, France. Serums. 54,693; re-renewed June 26, 1946. O. G. Nov. 19. Class 6.

Zakon, William, & Sons, doing business under the name C. H. Graves & Sons Co., Boston, Mass. Brandy and alcoholic cordials. 425,465; Nov. 19. Class 49.

Zakon, William, & Sons, doing business under the name C. H. Graves & Sons Co., Boston, Mass. Wines. 425,466; Nov. 19. Class 47.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Black, Lamp and gas. L. Martin Company. 55,089; renewed Aug. 7, 1946. O. G. Nov. 19.

Clays, Colloidal. English China Clays, Limited. 215,819–20; renewed July 27, 1946. O. G. Nov. 19.

Coal. University Avenue Coal Co., Inc. 220,288; renewed Nov. 9, 1946. O. G. Nov. 19.

Coal, Smithing. Stahmer Coal Company. 219,806; renewed Oct. 25, 1946. O. G. Nov. 19.

Grass-seed, Mixed. Albert Dickinson Company. 57,822; re-renewed Nov. 13, 1946. O. G. Nov. 19.

Sand. United States Silica Co. 220,182; renewed Nov. 2, 1946. O. G. Nov. 19.

Seeds, Garden and field. Morrison Seed Company. 220,175; renewed Nov. 2, 1946. O. G. Nov. 19.

Tar and pitch, Certain kinds of. Tar Products Corporation. 217,143; renewed Aug. 24, 1946. O. G. Nov. 19.

CLASS 2

Bags and cases, Paper. B. A. Railton Co. 220,882–3; renewed Nov. 16, 1946. O. G. Nov. 19.

CLASS 3

Horseshoe-pads, rubber tiling, and rubber heels and soles. Goodyear Tire and Rubber Company. 57,590; re-renewed Nov. 13, 1946. O. G. Nov. 19.

CLASS 4

Cleaner, Diamond ring and jewelry. A. B. C. Co. 425,463; Nov. 19.

Cleaning preparation. Climalene Company. 216,044; renewed Aug. 3, 1946. O. G. Nov. 19.

Cleaning preparation. Climalene Company. 216,428; renewed Aug. 10, 1946. O. G. Nov. 19.

Detergent. Standard Oil Company (New Jersey). 217,384–6; renewed Aug. 31, 1946. O. G. Nov. 19.

Detergent powder, Synthetic. J. H. Spreiregen. 425,429; Nov. 19.

Soap and soap powder. Kamen Soap Products Co., Inc. 425,477; Nov. 19.

Soap, Hand. G. E. Grigg, Jr. 425,412; Nov. 19; Serial No. 493,118; published Aug. 13, 1946.

Soap in powdered form. Tish Products Corporation. 425,417; Nov. 19; Serial No. 495,704; published Aug. 27, 1946.

Soaps. Millers Soap Company. 218,720; renewed Oct. 5, 1946. O. G. Nov. 19.

CLASS 6

Anæmia compound. Frederick Stearns & Company. 220,804; renewed Nov. 16, 1946. O. G. Nov. 19.

Antiacid. E. J. Brennan. 425,434; Nov. 19.

Camphorated oil, glycerin, liquid bluing, castor oil. Twitchell-Champlin Company. 218,475–6; renewed Sept. 28, 1946. O. G. Nov. 19.

Chemical preparation. Royal Perfume Company, Inc. 208,221; renewed Jan. 19, 1946. O. G. Nov. 19.

Chemical spray. Miller Protecto Products Company. 425,469; Nov. 19.

Chlorid of ammonium, muriate of ammonia, or sal-ammoniac in the form of tablets. Brunner, Mond & Co., Limited. 54,612; re-renewed June 26, 1946. O. G. Nov. 19.

Clays, Colloidal. English China Clays Limited. 215,302–3; renewed July 13, 1946. O. G. Nov. 19.

Colors, Food. Virginia Dare Extract Company, Inc. 221,664; renewed Dec. 7, 1946. O. G. Nov. 19.

Cough mixture. M. Clark. 425,445; Nov. 19.

Creosote oil, tar acid oil, disinfectants, etc. Tar Products Corporation. 217,098–9; renewed Aug. 24, 1946. O. G. Nov. 19.

Cuticle softeners and stain removers. A. Bevan. 425,467; Nov. 19.

Dressing and medicine, Hair. Conner & Walters Company, Inc. 212,690; renewed May 11, 1946. O. G. Nov. 19.

Dyes. William Edge & Sons Limited. 57,874; re-renewed Nov. 27, 1946. O. G. Nov. 19.

Dyes for treating fabrics. William Edge & Sons, Limited. 55,725; re-renewed Aug. 21, 1946. O. G. Nov. 19.

Fluid, Brake. A. A. Banks. 425,450; Nov. 19.

Insecticide. H. Karno. 425,432; Nov. 19.

Insecticides. Plant Products Company. 425,431; Nov. 19.

Insecticides. Spray, Incorporated. 425,436; Nov. 19.

Insecticides, deodorants, and disinfectants. Standard Oil Company (New Jersey). 217,316; renewed Aug. 31, 1946. O. G. Nov. 19.

Insecticides, deodorants, and disinfectants. Standard Oil Company (New Jersey). 219,584; renewed Oct. 19, 1946. O. G. Nov. 19.

Laundry blue. William Edge & Sons Limited. 57,205; re-renewed Oct. 30, 1946. O. G. Nov. 19.

Liniment. John Toupal & Co. 425,449; Nov. 19.

Lipsticks. Lower & Co., Inc. 209,105; renewed Feb. 16, 1946. O. G. Nov. 19.

Liquid smoke distilled from wood. E. H. Wright Company, Ltd. 53,070; re-renewed May 22, 1946. O. G. Nov. 19.

Lotion for the hair. B. Guilpin. 214,021; renewed June 8, 1946. O. G. Nov. 19.

Medicinal preparation, Certain named. Ho-Ro-Co Manufacturing Company. 219,788; renewed Oct. 26, 1946. O. G. Nov. 19.

Medicine. American Druggists Syndicate, Inc. 425,455; Nov. 19.

Parasiticides. Niagara Sprayer Company. 219,593–7; renewed Oct. 19, 1946. O. G. Nov. 19.

Perfumes, toilet waters, rouge, etc. P. Boyer. 425,483; Nov. 19.

Powder for treating prickly heat. Mennen Company. 425,458; Nov. 19.

Preparation for conservation of the teeth and the mouth. Aktiebolaget Dentosal. 187,986; renewed Aug. 12, 1944. O. G. Nov. 19.

Preparation for the treatment of athlete's foot. J. T. Davis. 425,441; Nov. 19.

Preparation for the treatment of constipation and conditions resulting from it. Pepsin Syrup Company. 219,588; renewed Oct. 19, 1946. O. G. Nov. 19.

Remedy for chronic weaknesses and complaints peculiar to females. R. V. Pierce. 58,414; re-renewed Dec. 11, 1946. O. G. Nov. 19.

Remedy for coughs, bronchitis, laryngitis, etc. R. V. Pierce. 57,518; re-renewed Nov. 13, 1946. O. G. Nov. 19.

Remedies for the blood, skin, throat, etc. Kickapoo Indian Medicine Co. 58,043; re-renewed Dec. 4, 1946. O. G. Nov. 19.

Serums. P. Young. 54,693; re-renewed June 26, 1946. O. G. Nov. 19.

Sodium ascorbate. Van Patten Pharmaceutical Co. 425,437; Nov. 19.
Solvent. I. G. Farbenindustrie Aktiengesellschaft. 221,250; renewed Nov. 23, 1946. O. G. Nov. 19.
Tablets for certain named ailments, Analgesic. P. Metadier. 157,360; renewed Aug. 1, 1942. O. G. Nov. 19.
Tank treatment, Fuel oil. Dominion Chemical Co., Inc. 425,468; Nov. 19.
Tonics, stains, removers, etc., Hair. H. E. Nichols. 53,933; re-renewed June 12, 1946. O. G. Nov. 19.
Wood preservative, Water-repellent toxic. Sears, Roebuck and Co. 425,460; Nov. 19.

CLASS 12

Bricks, Elongated. Acme Brick Company. 425,476; Nov. 19.
Cement, Portland. I. C. Johnson & Co., Limited. 54,785; re-renewed July 31, 1946. O. G. Nov. 19.
Cement, Portland. Pacific Portland Cement Co. 54,476; re-renewed June 26, 1946. O. G. Nov. 19.
Horseshoe-pads, rubber tiling, and rubber heels and soles. Goodyear Tire and Rubber Company. 57,590; re-renewed Nov. 13, 1946. O. G. Nov. 19.
Lumber. W. R. Pickering Lumber Company. 215,857; renewed July 27, 1946. O. G. Nov. 19.
Wall board and plaster lath, Plaster. California Cedar Products Company. 217,142; renewed Aug. 24, 1946. O. G. Nov. 19.

CLASS 13

Fasteners for trucks, blinds, shutters, etc. Stanley Works. 57,983; re-renewed Dec. 4, 1946. O. G. Nov. 19.
Guards, Antisiphoning theft. Jafber Mfg. & Sales Co. 425,424; Nov. 19.

CLASS 14

Solders, strip and wire. National Lead Company. 425,426; Nov. 19.
Steel in bars, sheets, wire, etc. Seebohm & Dieckstahl, Ld. 57,612; re-renewed Nov. 13, 1946. O. G. Nov. 19.

CLASS 15

Gasoline, and lubricating oils and greases. C. A. Beck. 425,416; Nov. 19; Serial No. 495,566; published Aug. 20, 1946.
Oil, Lubricating. Pure Oil Company. 425,399; Nov. 19; Serial No. 441,634; published Apr. 24, 1945.
Oils and grease, Lubricating. C. F. Kellom. 53,727; re-renewed June 12, 1946. O. G. Nov. 19.
Oils and greases, Lubricating. Haggerty Refining Company. 58,255; re-renewed Dec. 11, 1946. O. G. Nov. 19.

CLASS 16

Dressing in the nature of a paint, black touch-up enamel, white tire coating, etc., Chassis. A. A. Banks. 425,451; Nov. 19.
Lampblacks and carbon black. L. Martin Company. 219,839; renewed Oct. 26, 1946. O. G. Nov. 19.
Lithophone. Wishnick-Tumpeer Chemical Co. 221,163; renewed Nov. 23, 1946. O. G. Nov. 19.
Oil-paint, Enamel. Suter Hartmann & Rahtjen's Composition Company, Limited. 56,801; re-renewed Oct. 16, 1946. O. G. Nov. 19.
Oil, Painting, staining, and graining. James B. Sipe & Co. 49,863; re-renewed Feb. 20, 1946. O. G. Nov. 19.
Paint, varnish, paint enamel, etc., Ready-mixed. Plastikpli Laboratories, Inc. 425,415; Nov. 19; Serial No. 495,498; published Aug. 20, 1946.
Painters' materials, Certain named. Valentine & Company. 221,227; renewed Nov. 23, 1946. O. G. Nov. 19.
Paints, Anticorrosive and antifouling. Suter Hartmann & Rahtjen's Composition Company, Limited. 56,802; re-renewed Oct. 16, 1946. O. G. Nov. 19.

CLASS 17

Cigars. Cuesta, Rey & Co. 57,584; re-renewed Nov. 13, 1946. O. G. Nov. 19.
Cigars and cigarettes. Cuesta, Rey and Company. 221,461; renewed Nov. 30, 1946. O. G. Nov. 19.

CLASS 19

Automobiles. Automobiles Corre La Licorne. 214,831; renewed July 6, 1946. O. G. Nov. 19.
Trucks and buses, Motor. Biederman Motors Corporation. 425,479; Nov. 19.

CLASS 21

Current-supply devices. Gould Storage Battery Company, Inc. 221,742; renewed Dec. 7, 1946. O. G. Nov. 19.
Electrical waffle irons and waffle bakers. Wells Manufacturing Company. 218,362; renewed Sept. 28, 1946. O. G. Nov. 19.
Insulator, Heat. Samuel Cabot, Inc. 221,332; renewed Nov. 30, 1946. O. G. Nov. 19.
Wire, Insulated and uninsulated. Cornish Wire Company, Incorporated. 220,599; renewed Nov. 9, 1946. O. G. Nov. 19.
Wire, Insulated and uninsulated. Cornish Wire Company, Incorporated. 220,830; renewed Nov. 16, 1946. O. G. Nov. 19.

CLASS 22

Game. Milton Bradley Company. 55,459; re-renewed Aug. 14, 1946. O. G. Nov. 19.
Toy plastic molding sets. Halfer Engineering Company. 425,461; Nov. 19.

CLASS 23

Chisels. Warren Tool and Forge Co. 208,748; renewed Feb. 9, 1946. O. G. Nov. 19.
Mauls. Warren Tool and Forge Co. 208,749; renewed Feb. 9, 1946. O. G. Nov. 19.
Mills and cutters, tool chucks, etc., Metal-working. Tomkins-Johnson Company. 219,850; renewed Oct. 26, 1946. O. G. Nov. 19.
Molders, Loaf. Thomson Machine Company. 221,164; renewed Nov. 23, 1946. O. G. Nov. 19.

CLASS 24

Clothesline reel. Auto Arc-Weld Manufacturing Co. 425,462; Nov. 19.

CLASS 26

Burners, Bunsen. Amalgamated Dental Company Limited. 216,653; renewed Aug. 17, 1946. O. G. Nov. 19.
Camera tilt heads, tripods, and print rollers. Mayfield Company, Incorporated. 425,482; Nov. 19.
Coating for application to camera lenses, Permanent. Burke & James, Inc. 425,442; Nov. 19.
Films, Photographic. Eastman Kodak Company. 214,656; renewed June 29, 1946. O. G. Nov. 19.
Lamps, Motion picture projection. Brenkert Light Projection Company. 425,447; Nov. 19.

CLASS 27

Watches. Robert F. Slavin & Co. 425,456; Nov. 19.

CLASS 28

Clip pins, Ornamental. Fashion Craft Jewelry Co., Inc. 425,481; Nov. 19.
Clips, Men's precious metal necktie. McCurrach Organization. 425,438–9; Nov. 19.
Flatware, Silverplated. International Silver Company. 425,435; Nov. 19.
Jewelry. H. Armao. 425,478; Nov. 19.
Jewelry, sterling silver hollow ware, and cosmetic compacts, Costume. Charmo Mfg. Co., Inc. 425,433; Nov. 19.
Pearls, artificial pearls, and jewelry. D. Eiten. 425,484; Nov. 19.
Wrist watch bracelets. Forstner Chain Corporation. 425,446; Nov. 19.

CLASS 29

Toothbrushes, brushes. P. Daussa Corporation. 425,427; Nov. 19.

CLASS 32

Mattresses, Cotton. Direct Mattress Co. 425,473; Nov. 19.

CLASS 33

Crystals, Watch. Germanow-Simon Machine Co. 425,414; Nov. 19; Serial No. 495,027; published Aug. 6, 1946.
Glass and glass in bulk, Plate. F. E. Lamplough. 220,888; renewed Nov. 16, 1946. O. G. Nov. 19.

CLASS 35

Tires, Pneumatic. B. F. Goodrich Company. 53,744; re-renewed June 12, 1946. O. G. Nov. 19.
Tires, Rubber. Goodyear Tire and Rubber Company. 56,752–3; re-renewed Oct. 16, 1946. O. G. Nov. 19.
Tires, Rubber. Goodyear Tire and Rubber Company. 56,756; re-renewed Oct. 16, 1946. O. G. Nov. 19.

CLASS 36

Musical instruments. S. Hershman. 425,413; Nov. 19; Serial No. 493,958; published Aug. 20, 1946.
Phonograph records, Musical. National Record Company. 425,402; Nov. 19; Serial No. 470,382; Nov. 14, 1944.
Pianos. L. Bromberg. 425,404; Nov. 19; Serial No. 474,370; published Aug. 6, 1946.

CLASS 37

Paper, Kraft. Bastrop Pulp & Paper Company. 216,038; renewed Aug. 3, 1946. O. G. Nov. 19.
Paper, mimeograph paper, cards, etc., Ledger. M. Milton. 216,296; renewed Aug. 10, 1946. O. G. Nov. 19.
Paper, Toilet. Northern Paper Mills. 214,277; renewed June 15, 1946. O. G. Nov. 19.
Paper, Toilet. Northern Paper Mills. 219,290; renewed Oct. 12, 1946. O. G. Nov. 19.
Paper, Toilet. Northern Paper Mills. 220,792; renewed Nov. 16, 1946. O. G. Nov. 19.
Pens and pencils. W. A. Sheaffer Pen Company. 217,404; renewed Aug. 31, 1946. O. G. Nov. 19.

Stationery. D. L. Dyer. 425,407; Nov. 19; Serial No. 483,764; published Oct. 9, 1945.

CLASS 38

Books. Grosset & Dunlap, Inc. 425,454; Nov. 19.
Cartoon drawings and strips, Educational. R. A. Canovaca. 425,421; Nov. 19; Serial No. 497,452; published Aug. 27, 1946.
House organ. Oliver Instrument Company. 425,422; Nov. 19; Serial No. 498,073; published Aug. 27, 1946.
House organs and serial publications. Celite Company. 214,901; renewed July 6, 1946. O. G. Nov. 19.
Magazine. McGraw-Hill Publishing Company, Inc. 425,474; Nov. 19.
Magazine. S. Mittelmark. 425,480; Nov. 19.
Magazine, Periodical. McGraw-Hill Publishing Company, Inc. 425,443; Nov. 19.
Magazines, etc., Periodical. H. S. Chapin. 213,287; renewed May 25, 1946. O. G. Nov. 19.
Periodical. McGraw-Hill Publishing Company, Inc. 425,459; Nov. 19.
Periodical. True Comics, Inc. 425,440; Nov. 19.
Publication. C. B. Weigel. 425,457; Nov. 19.
Publications, Semiannual. Ready Reference Publishing Co. Inc. 213,382; renewed May 25, 1946. O. G. Nov. 19.
Sheet-music and music-books. L. Feist. 54,074; re-renewed June 19, 1946. O. G. Nov. 19.
Title for a section in a newspaper. Women's Wear Company. 425,475; Nov. 19.

CLASS 39

Blouses, leather vests, sheep-lined jackets, etc., Leather. Gordon & Ferguson, Inc. 217,643; renewed Sept. 7, 1946. O. G. Nov. 19.
Boots and shoes, Leather. Bilt-Rite Shoe Co. 216,937; renewed Aug. 24, 1946. O. G. Nov. 19.
Boots and shoes, Leather welted. United Shoe Machinery Company. 54,185; re-renewed June 19, 1946. O. G. Nov. 19.
Clothing for women, misses, and children, Certain articles of. American Lady Corset Co. 213,500; renewed June 1, 1946. O. G. Nov. 19.
Coats, vests, pants, etc., Men's. Finchley, Inc. 222,605; renewed Jan. 4, 1947. O. G. Nov. 19.
Coats, vests, pants, etc., Men's. Londontown Clothes, Inc. 212,660; renewed May 11, 1946. O. G. Nov. 19.
Gloves and mittens. Joseph N. Eisendrath Company. 51,270; re-renewed Apr. 10, 1946. O. G. Nov. 19.
Horseshoe-pads, rubber tiling, and rubber heels and soles. Goodyear Tire and Rubber Company. 57,590; re-renewed Nov. 13, 1946. O. G. Nov. 19.
Pajamas and slippers, Sets consisting of a pair of. Z. S. Marshall & Co. 425,448; Nov. 19.
Shoes, Children's leather. J. H. Cohen. 220,864; renewed Nov. 16, 1946. O. G. Nov. 19.
Wearing apparel for men, ladies, and misses, Certain named. Smith and Welton Incorporated. 214,844; renewed July 6, 1946. O. G. Nov. 19.

CLASS 40

Cords, blades, tapes, etc., Stiffening. Warren Featherbone Co. 54,905–6; re-renewed July 31, 1946. O. G. Nov. 19.

CLASS 42

Bedspreads, draperies, rugs, etc. Tuftex Company. 425,453; Nov. 19.
Blankets, Textile. Esmond Mills. 220,980; renewed Nov. 23, 1946. O. G. Nov. 19.
Cloth of cotton, linen, silk, etc. Elder Mfg. Co. 221,375; renewed Nov. 30, 1946. O. G. Nov. 19.
Collar canvas. Thomas Textile Service Co. 425,470–1; Nov. 19.
Cotton duck. Wellington, Sears & Co. 56,979–80; re-renewed Oct. 30, 1946. O. G. Nov. 19.
Cotton piece goods. Massachusetts Cotton Mills. 52,824–6; re-renewed June 12, 1946. O. G. Nov. 19.
Cotton piece goods. Massachusetts Cotton Mills. 53,832–4; re-renewed June 12, 1946. O. G. Nov. 19.
Cotton piece goods. Massachusetts Cotton Mills. 53,925; re-renewed June 12, 1946. O. G. Nov. 19.
Cotton piece goods. Massachusetts Cotton Mills. 54,558; re-renewed June 26, 1946. O. G. Nov. 19.
Silk fabrics. Corticelli Silk Company. 220,485; renewed Nov. 9, 1946. O. G. Nov. 19.
Silk, rayon, cotton, and woolen fabrics. Burgess Fabric Corp. 425,452; Nov. 19.
Silks, artificial silks, cotton, etc., Knitted and woven. Chopak Textile Company Inc. 221,746; renewed Dec. 7, 1946. O. G. Nov. 19.
Stripes and ticking, Awning. John Boyle & Company, Incorporated. 220,532; renewed Nov. 9, 1946. O. G. Nov. 19.

CLASS 43

Thread. Standard Thread Company, Inc. 220,846; renewed Nov. 16, 1946. O. G. Nov. 19.
Thread, Silk. A. H. Rice & Co. 53,104; re-renewed May 29, 1946. O. G. Nov. 19.

CLASS 44

Dental apparatus and supplies, Certain named. Amalgamated Dental Company Limited. 216,674; renewed Aug. 17, 1946. O. G. Nov. 19.

CLASS 45

Beverages, Nonalcoholic, maltless. J. N. Nichols. 215,478; renewed July 20, 1946. O. G. Nov. 19.
Ginger ale. Anheuser-Busch, Inc. 220,901; renewed Nov. 16, 1946. O. G. Nov. 19.
Ginger ale. Anheuser-Busch, Inc. 221,428; renewed Nov. 30, 1946. O. G. Nov. 19.
Ginger-ale. Hagan & Dodd Co. 57,023; re-renewed Oct. 30, 1946. O. G. Nov. 19.
Sirup, Nonalcoholic maltless. B. A. Railton Co. 220,894; renewed Nov. 16, 1946. O. G. Nov. 19.
Water, Table. Great Bear Spring Company. 220,932; renewed Nov. 16, 1946. O. G. Nov. 19.

CLASS 46

Bakery goods. Paul Schulze Biscuit Co. 221,350; renewed Nov. 30, 1946. O. G. Nov. 19.
Bologna sausage and pork products. E. W. Martin. 221,572; renewed Dec. 7, 1946. O. G. Nov. 19.
Bread. Gordon Baking Company. 216,160; renewed Aug. 3, 1946. O. G. Nov. 19.
Bread. Gordon Baking Company. 217,282; renewed Aug. 31, 1946. O. G. Nov. 19.
Candy. H. O. Piper. 425,464; Nov. 19.
Canned apples, apricots, blueberries, etc. Twitchell-Champlin Company. 221,405; renewed Nov. 30, 1946. O. G. Nov. 19.
Canned fruits. Rogue River Packing Corporation. 425,472; Nov. 19.
Canned salmon. Pelling, Stanley & Co. Ltd. 221,171; renewed Nov. 23, 1946. O. G. Nov. 19.
Cheese. B. J. Rabin. 214,134; renewed June 15, 1946. O. G. Nov. 19.
Chocolate coatings. Lamont, Corliss & Company. 211,415; renewed Apr. 13, 1946. O. G. Nov. 19.
Dessert powders, Gelatine. L. Gordon. 425,428; Nov. 19.
Feed, Poultry. Black & White Milling Company. 212,649; renewed May 11, 1946. O. G. Nov. 19.
Feeds and feedstuffs. Ferncliff Feed & Grain Co. 221,721; renewed Dec. 7, 1946. O. G. Nov. 19.
Flour, Wheat. Mauser Mill Company. 214,841; renewed July 6, 1946. O. G. Nov. 19.
Flour, Wheat. Model Mill Co. 212,701; renewed May 11, 1946. O. G. Nov. 19.
Juice, Bottled lemon. C. A. Kramer. 425,406; Nov. 19; Serial No. 482,748; published July 2, 1946.
Mixture for use in the manufacture of frozen confections, Edible powdered. R. G. Moench & Co., Inc. 425,444; Nov. 19.
Olive oil. Gavalla & Zannos. 208,262; renewed Jan. 26, 1946. O. G. Nov. 19.
Oranges, lemons, and grapefruit. Central California Producers. 220,502; renewed Nov. 9, 1946. O. G. Nov. 19.
Sauce and salad dressing, Mustard. N. M. Delmarle. 214,894; renewed July 6, 1946. O. G. Nov. 19.
Tomatoes, Fresh. Leef-Schniebolk Co. ,425,430; Nov. 19.
Vegetables, fresh deciduous fruits, fresh citrous fruits, etc., Fresh. J. D. Martin. 221,599; renewed Dec. 7, 1946. O. G. Nov. 19.

CLASS 47

Champagne and sparkling burgundy. Chateau Gay, Ltd. 425,420; Nov. 19; Serial No. 497,069; published Aug. 20, 1946.
Juice, Grape. Italian Swiss Colony. 213,106; renewed May 18, 1946. O. G. Nov. 19.
Wine. E. P. Franek. 425,423; Nov. 19; Serial No. 500,070; published Aug. 20, 1946.
Wines. William Zakon & Sons. 425,466; Nov. 19.

CLASS 48

Beer. J. Ruppert. 55,161; re-renewed Aug. 7, 1946. O. G. Nov. 19.

CLASS 49

Brandy and alcoholic cordials. William Zakon & Sons. 425,465; Nov. 19.
Rum, ethyl alcohol, whisky, etc. Compañia Cubana de Alcohol, S. A. 425,425; Nov. 19.
Rum, gin, whiskey, etc. Compañia Cubana de Alcohol, S. A. 425,403; Nov. 19; Serial No. 470,485; published Aug. 28, 1945.

Whisky, Pure malt scotch. G. S. Grant. 53,002; re-renewed May 22, 1946. O. G. Nov. 19.

CLASS 50

Blankets, Printing press. Tingue, Brown & Co. 425,419; Nov. 19; Serial No. 497,055; published Aug. 6, 1946.
Bowl containing seeds, growing material, and plant food, etc. C. R. Gibson. 425,418; Nov. 19; Serial No. 496,232; published Aug. 20, 1946.
Closures for containers. Aridor Company. 425,400; Nov. 19; Serial No. 456,503; published Aug. 27, 1946.
Flares. Preece-Larsen, Inc. 425,401; Nov. 19; Serial No. 470,073; published Aug. 13, 1946.
Hangers, Garment. Rhodes Plastic Products, Inc. 425,408; Nov. 19; Serial No. 485,421; published July 23, 1946.
Kits, Cold wave. R. R. Mendelsohn. 425,409; Nov. 19; Serial No. 487,912; published Aug. 6, 1946.
Letters and numbers, Luminous. Reflecto Letters Co. 425,410; Nov. 19; Serial No. 489,146; published Aug. 6, 1946.
Nest eggs, portable stock and poultry feeders and waterers, etc. Sears, Roebuck and Co. 425,405; Nov. 19; Serial No. 479,534; published Aug. 6, 1946.
Poultry equipment. Anderson Box Company. 425,411; Nov. 19; Serial No. 491,792; published Aug. 13, 1946.

LIST OF DESIGN PATENTEES

Aluminum Cooking Utensil Company, assignee: *See*—
Guild, Lurelle.
Ames, Adina, Milwaukee, Wis. Combined plant container and support. 145,917; Nov. 19.
Armstrong, Peter V., assignor to Federal Machine and Welder Company, Warren, Ohio. Glider. 145,918; Nov. 19.
Armstrong, Peter V., assignor to Federal Machine and Welder Company, Warren, Ohio. Glider. 145,919; Nov. 19.
Armstrong, Peter V., assignor to Federal Machine and Welder Company, Warren, Ohio. Glider. 145,920; Nov. 19.
Benjamin, Andrew K.: *See*—
Petremont, Gordon A., Benjamin, and Brown.
Brown, Edmund C.: *See*—
Petremont, Gordon A., Benjamin, and Brown.
Carney, Benedict F., Evanston, assignor to Spies Brothers, Inc., Chicago, Ill. Scapular ring or similar article. 145,921; Nov. 19.
Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Combined scabbard and carving knife or similar article. 145,922; Nov. 19.
Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Combined scabbard and carving implement set. 145,923; Nov. 19.
Case, Emerson E., assignor to Robeson Cutlery Company, Inc., Perry, N. Y. Combined scabbard and carving implement set. 145,924; Nov. 19.
Cohen, Sidney, New York, N. Y. Suit. 145,925; Nov. 19.
Cohn, Gustave, Hartsdale, N. Y. Slipper. 145,926; Nov. 19.
Columbia Handbag Corp., assignee: *See*—
Goldberg, Jerome.
Cutrow, Leonard A., Los Angeles, Calif. Chair. 145,927; Nov. 19.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,928; Nov. 19.
Dickson, James J., Chicago, Ill., and R. W. Huzzard, York, Pa. Airplane. 145,929; Nov. 19.
Eberle, Philip F., San Francisco, Calif. Shoe. 145,930; Nov. 19.
Federal Machine and Welder Company, assignee: *See*—
Armstrong, Peter V.
Fiorio, Ciro A., Northfield, Ill. Sundial. 145,931; Nov. 19.
Gazda, Antoine, Providence, R. I. Helicopter. 145,932; Nov. 19.
Gerity, James, Jr., Adrian, assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich. Double robe hook. 145,933; Nov. 19.
Gerity, James, Jr., Adrian, assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich. Combined soap dish and grab rail. 145,934; Nov. 19.
Gerity-Michigan Die Casting Company, assignee: *See*—
Gerity, James, Jr.
Gobelin Company, Inc., The, assignee: *See*—
Petremont, Gordon A., Benjamin, and Brown.
Goldberg, Harry, New York, N. Y. Coat. 145,935; Nov. 19.
Goldberg, Jerome, assignor to Columbia Handbag Corp., New York, N. Y. Plastic block. 145,936; Nov. 19.
Greenberg, Morris, New York, N. Y. Slipper. 145,937; Nov. 19.
Gro-Cord Rubber Company, assignee: *See*—
Knisely, Virgil M.
Guild, Lurelle, Darien, Conn., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Stool. 145,938; Nov. 19.
Gulotta, Gerald D., assignor to R. W. Hays, Rockford, Ill. Pencil sharpener. 145,939; Nov. 19.
Hays, Roy W., assignee: *See*—
Gulotta, Gerald D.
Huzzard, Robert W.: *See*—
Dickson, James J., and Huzzard.
Kessel, Johannes B., Chicago, Ill. Food mixer. 145,940; Nov. 19.
Kissling, Edmund D., New York, N. Y. Table. 145,941; Nov. 19.
Kissling, Edmund D., New York, N. Y. Utility table. 145,942; Nov. 19.
Knisely, Virgil M., assignor to Gro-Cord Rubber Company, Lima, Ohio. Shoe sole. 145,943; Nov. 19.
Knisely, Virgil M., assignor to Gro-Cord Rubber Company, Lima, Ohio. Shoe sole. 145,944; Nov. 19.
Larkin, Richard W., Bell, Calif. Vehicle toy. 145,945; Nov. 19.
Larson, Charles O., Sterling, Ill. Table lamp. 145,946; Nov. 19.
Larson, Karl O., Minneapolis, Minn. Table. 145,947; Nov. 19.
Larson, Karl O., Minneapolis, Minn. Desk. 145,948; Nov. 19.
Lewis, Amos F., St. Louis, Mo. Wrench. 145,949; Nov. 19.
Martino, Peter V., Long Island City, N. Y. Display fixture unit. 145,950; Nov. 19.
Matuzoff, Batrisha, Hollywood, Calif. Display stand or similar article. 145,951; Nov. 19.
Maxwell, John A., & Associates, assignee: *See*—
Zagumny, Felix J.
Petremont, Gordon A., Boston, A. K. Benjamin, Newton Highlands, and E. C. Brown, Belmont, assignors to The Gobelin Company, Inc., Cambridge, Mass. Merchandising display cabinet or similar article. 145,952; Nov. 19.
Randolph, Raphael, La Grange, Tex. Combination arbor and bookend. 145,953; Nov. 19.
Roberts, Henry C., Detroit, Mich. Toy. 145,954; Nov. 19.
Robeson Cutlery Company, Inc., assignee: *See*—
Case, Emerson E.
Rohm, Rudolf, Chicago, Ill. Nutcracker. 145,955; Nov. 19.
Shatz, Nathan, St. Louis, Mo. Dress. 145,956; Nov. 19.
Shatz, Nathan, St. Louis, Mo. Dress. 145,957; Nov. 19.
Smith, Clyde T., New York, N. Y. Merchandise display cabinet. 145,958; Nov. 19.
Spangler, Carl D., Arkadelphia, Ark. Chair. 145,959; Nov. 19.
Spies Brothers, Inc., assignee: *See*—
Carney, Benedict F.
Steinberg, Jerome H., Brooklyn, N. Y. End plate for a fluorescent fixture. 145,960; Nov. 19.
Tellier, Andre, New York, N. Y. Combined clock and map. 145,961; Nov. 19.
Victor Metal Products Corporation, assignee: *See*—
Derham, Philip A.
Zagumny, Felix J., assignor to John A. Maxwell & Associates, Detroit, Mich. Wood plane. 145,962; Nov. 19.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Chester E.: *See*—
Kelso, Charles D., and Adams.

Adams, Chester E., Highland, Ind., assignor to Standard Oil Company, Chicago, Ill. Polyamine resins and preparing the same. 2,411,141; Nov. 19.

Affleck, Theodore H., North Hollywood, assignor, by mesne assignments, to W. A. Cooke, Hollywood, Calif. Air brake. 2,411,406; Nov. 19.

Air Reduction Company, Incorporated, assignee: *See*—
Anderson, James L.

Aktiengesellschaft Fuer Technische Studien, assignee: *See*—
Ruegg, Rudolf.

Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive drive. 2,411,350; Nov. 19.

Alexander, Don F., near Dayton, Ohio, assignor to The Sterling Varnish Company, Haysville, Pa. Varnishing armatures and the like. 2,411,180; Nov. 19.

Alizier, André G., Chicago, Ill., assignor to Comet Model Airplane & Supply Company Incorporated. Propeller. 2,411,143; Nov. 19.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Altorfer, Hans A.

Altorfer, Hans A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Combustion turbine burner. 2,411,181; Nov. 19.

Alward, Kenneth C., Moweaqua, Ill. Supertread for tires. 2,411,240; Nov. 19.

American Anode, Inc., assignee: *See*—
Miller, Donald J.

American Brake Shoe Company, assignee: *See*—
Walpole, Alfred R.

American Cyanamid Company, assignee: *See*—
Cook, Elmer W., and Hook.
Hechenbleikner, Ingenuin.

American Locomotive Company, assignee: *See*—
Kopp, Sigmund.

American Steel and Wire Company, The, assignee: *See*—
Beckwith, Glenwood J.

American Steel and Wire Company of New Jersey, The, assignee: *See*—
Ramstedt, Emil L.
Symmes, Daniel D.

Anderson, James: *See*—
Galloway, William S., and Anderson.

Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated. Circle cutting machine. 2,411,182; Nov. 19.

Anderson, Martin J., assignor to Mathews Conveyer Company, Elwood City, Pa. Conveyer system. 2,411,407; Nov. 19.

Andon, Arpinée E., Pelham, N. Y. Match holder and windshield. 2,411,314; Nov. 19.

Applebaum, Jacob, assignee: *See*—
Weber, William T.

Archbold-Hagner Instrument Laboratory, Inc., assignee: *See*—
Hagner, Frederick H.

Armington, Stewart F., Willoughby, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Frame for crawler tracks. 2,411,408; Nov. 19.

Armour and Company, assignee: *See*—
Sifferd, Robert H.

Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Overload relay. 2,411,351; Nov. 19.

Armstrong, George C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cutout. 2,411,352; Nov. 19.

Arnott, Edward G. F., Upper Montclair, and C. E. Dawley, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series spark gap device. 2,411,241; Nov. 19.

Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Metal bellows accumulator. 2,411,315; Nov. 19.

Automatic Electric Laboratories, Inc., assignee: *See*—
Peterson, Edward S.

Automatic Telephone & Electric Company Limited: *See*—
Cowley, Percy E. A., and Walls.

Aveling-Barford Limited, assignee: *See*—
Henderson, Wallace M.

Baker, Benjamin P., Turtle Creek, and H. J. Webb, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Valve mechanism for compressed gas circuit interrupters. 2,411,356; Nov. 19.

Baker Oil Tools, Inc., assignee: *See*—
Glover, Robert C., and Childers.

Ballard, William E., Harborne, Birmingham, assignor to Metallisation, Limited, Dudley, England. Metal spraying apparatus. 2,411,409; Nov. 19.

Baldwin, Elmer W., Bassett, Nebr. Powered loading truck. 2,411,183; Nov. 19.

Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support and release means for bobbin receivers. 2,411,353; Nov. 19.

Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin receiver for weft replenishing looms. 2,411,354; Nov. 19.

Beckman, Gustaf S., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Bobbin-identifying device for winding machines. 2,411,242; Nov. 19.

Beckman, Gustaf S., Cranston, R. I., assignor to Universal Winding Company, Boston, Mass. Bobbin-identifying device for winding machines. 2,411,243; Nov. 19.

Beckwith, Glenwood J., Brecksville, Ohio, assignor to The American Steel and Wire Company of New Jersey. Electropolishing stainless steel. 2,411,410; Nov. 19.

Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Fabrication of discharge devices. 2,411,184; Nov. 19.

Beiser, Elmer H., Peru, E. L. Berninger, La Salle, and M. E. Schlenker, Peru, Ill., assignors to General Time Instruments Corporation, New York, N. Y. Apparatus for testing and adjusting barometric fuses. 2,411,355; Nov. 19.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Fisk, James B.

Bendix Aviation Corporation, assignee: *See*—
Eltgroth, George V.
Mock, Frank C.
Pontius, George W., III.

Berger, Henry G.: *See*—
Fuller, Everett W., Berger, and Williams.

Bergstein, Robert M., Cincinnati, Ohio. Making knocked-down boxes and improved cartridge containers. 2,411,144; Nov. 19.

Berninger, Ernest L.: *See*—
Beiser, Elmer H., Berninger, and Schlenker.

Bernstein, Louis, Brooklyn, N. Y. Perpetual calendar. 2,411,185; Nov. 19.

Bertram, Sidney, San Diego, Calif., assignor to the United States Government, as represented by the Secretary of the Navy. Split-phase servomotor control. 2,411,357; Nov. 19.

Bichsel, Harry J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,411,358; Nov. 19.

Billman, John H., Bloomington, Ind. Plant stimulant composition and method. 2,411,359; Nov. 19.

Blackstone, Henry: *See*—
Hillyer, Curtis, Jr., and Blackstone.

Blair, Francis E., Van Dyke, and I. Lada, Detroit, Mich. Vehicle towing device. 2,411,411; Nov. 19.

Blair, George W., and J. F. Schott, Mishawaka, Ind., and W. E. Faulk, Grosse Pointe, Mich., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Seat structure. 2,411,412; Nov. 19.

Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Radio receiver. 2,411,494; Nov. 19.

Boden, Samuel H., and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,411,360; Nov. 19.

Boeckeler, Benjamin C., Riverside, Conn., assignor to The Hydrojet Corporation, Wilmington, Del. Releasing gases from liquids. 2,411,186; Nov. 19.

Bogoslowsky, Boris, Jackson Heights, N. Y. Collapsible tube. 2,411,244; Nov. 19.

Bongiovanni, Antonio, assignor of one-half to A. Geraci, Philadelphia, Pa. Eyeglass hanger. 2,411,361; Nov. 19.

Bonotto, Michele, Princeton, N. J., assignor to D. Di Frasso, Beverly Hills, Calif. Ingredients for producing high explosives. 2,411,145; Nov. 19.

Boogher, Howard, Hillsboro, Ill. Highway reflector sign. 2,411,187; Nov. 19.

Borg, Edward M., Seattle, Wash. Preserving fish. 2,411,188; Nov. 19.

Borton, George W.: *See*—
Stine, James E., and Borton.

Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Shaped amplifier. 2,411,362; Nov. 19.

Brecht, Winston A., Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive drive. 2,411,363; Nov. 19.

Bright Star Battery Company, The, assignee: *See*—
Keller, Frederick A.

Bristol Aeroplane Company, Limited, The, assignee: *See*—
Lee, George H.

Brown, Charles G.: *See*—
Glasgow, Charles S., and Brown.

Brown, Charles I., Floral Park, N. Y. Reading lamp. 2,411,189; Nov. 19.

Brown, Marshall, Chicago, Ill. Frequency response compensating means. 2,411,190; Nov. 19.

Bruce, Harold E.: *See*—
Rundle, Walter, and Bruce.

Budd Company, The, assignee: *See*—
Ridgway, Edmund T.
Watter, Michael.

Buechler, John H., Chicago, Ill. Nut tightener. 2,411,245; Nov. 19.

Bureky, Charles W., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Dial selective calling system. 2,411,191; Nov. 19.

Bush, George L.: *See*—
Leroy, Everett R., and Bush.

Butterfield, John P., assignor to Chrysler Corporation, Highland Park, Mich. Fastening device. 2,411,364; Nov. 19.

Capita, Emil R., North Bergen, N. J. Airplane hangar. 2,411,316; Nov. 19.

Card, Harrold L., Pana, Ill. Dish drier. 2,411,365; Nov. 19.

Carrier Corporation, assignee: *See*—
Trumpler, William E.

Case, J. I., Company, assignee: *See*—
Russell, Stanley D.

Cherry, John: *See*—
Zimbelman, George W., and Cherry.

Childers, Roscoe O.: *See*—
Glover, Robert C., and Childers.

Chrysler Corporation, assignee: *See*—
Butterfield, John P.
Langhammer, Anthony J.
Wallace, David A.

Chubbuck, Leonard B., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,411,366; Nov. 19.

Cities Service Oil Company, assignee: *See*—
Sullivan, Alan P.

Clapper, Ray L., West New Brighton, Staten Island, assignor to The Griscom Russell Company, New York, N. Y. Removing defective tubes from tube sheets. 2,411,246; Nov. 19.

Clement, Ivan C., Greenwood, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Sound signaling apparatus. 2,411,146; Nov. 19.

Cleminson, Lew W., trustee, assignee, et al.: *See*—
Wessel, Carl.

Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Electric oscillator and oscillator controlled relay circuit. 2,411,247; Nov. 19.

Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Electrical system for controlling the level of liquid in containers. 2,411,248; Nov. 19.

Collins Radio Company, assignee: *See*—
Olson, Roy H.

Comet Model Airplane & Supply Company, Incorporated, assignee: *See*—
Alizier, André G.

Consolidated Car-Heating Company, assignee: *See*—
Hamilton, Wallace.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Saville, William S.

Continental Can Company, Inc., assignee: *See*—
Sedwick, Matthew M.

Cook, Elmer W., New York, N. Y., and E. O. Hook, Norwalk, Conn., assignors to American Cyanamid Company. Resinous vulcanization accelerators. 2,411,413; Nov. 19.

Cook, Percy, Waltham, Mass. Method of and apparatus for handling fabric webs. 2,411,414; Nov. 19.

Cooke, William A., assignee: *See*—
Affleck, Theodore H.

Cooley, Austin G., assignor to Times Telephoto Equipment Inc., New York, N. Y. Remote-control system and apparatus. 2,411,147; Nov. 19.

Copthorne, Howard N., Winnetka, Ill., assignor to United States Steel Supply Company. Paint compositions. 2,411,192; Nov. 19.

Courtaulds Limited, assignee: *See*—
Hegan, Horace J., and Sharples.

Cowles, Laurence G.: *See*—
Wolf, Alexander, and Cowles.

Cowley, Percy E. A., Coventry, and E. C. Walls, assignors, to Automatic Telephone & Electric Company, Limited, Liverpool, England. Telecommunication system. 2,411,415; Nov. 19.

Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C.

Crowell-Collier Publising Company, assignee: *See*—
Lundbye, Axel E.

Cumming, James M.: *See*—
Boden, Samuel H., and Cumming.

Cummins, Roy M., Akron, Ohio. Freezing tray. 2,411,193; Nov. 19.

Curry, Herman H., Montgomery County, Md., and A. M. Dudley, Oakmont, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Diesel electric marine drive. 2,411,367; Nov. 19.

Dawley, Clarence E.: *See*—
Arnott, Edward G. F., and Dawley.

Day, John J.: *See*—
Day, William P., J. J., and W. P., Jr., and Heglaw.

Day, William P., Cleveland Heights, J. J. Day, Shaker Heights, W. P. Day, Jr., Cleveland Heights, and V. E. Heglaw, East Cleveland, Ohio. Pneumatic hand trowel. 2,411,317; Nov. 19.

Day, William P., Jr.: *See*—
Day, William P., J. J., and W. P., Jr., and Heglaw.

Del Bagno, Ignazio, assignor of fifty per cent to M. Del Bagno, Belleville, N. J. Wire hook. 2,411,318; Nov. 19.

Del Bagno, Mary, assignee: *See*—
Del Bagno, Ignazio.

Demartini, Robert J.: *See*—
Miller, Charles E., and Demartini.

Demartini, Robert J., Schenectady, and H. H. Leigh, Scotia, N. Y., assignors to General Electric Company. Control apparatus for testing machines. 2,411,451; Nov. 19.

De Niederhäusern, Georges, assignor to Durand & Huguenin A. G., Basel, Switzerland. Producing fast dyeings on artificial fibers with dyestuffs of the gallocyanine class. 2,411,249; Nov. 19.

De Rome, Raphael A., Twin Lakes, Wis. Dentist's bite detector. 2,411,194; Nov. 19.

De Villard, Jean F., assignor, by mesne assignments, to C. W. Stiefel, Jr., Chicago, Ill. Bottle carrier. 2,411,195; Nov. 19.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone dyestuffs. 2,411,148; Nov. 19.

Dieckbrader, Frederick A., Toronto, Ontario, Canada, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Papermaking apparatus. 2,411,416; Nov. 19.

Diedrich, Paul: *See*—
Dohrn, Max, and Diedrich.

Dieringer, Henry W., assignee: *See*—
Vandersee, Arnold E.

Di Frasso, Dorothy, assignee: *See*—
Bonotto, Michele.

Dinnick, George M.: *See*—
Mouromtseff, Ilia E., and Dinnick.

Dodson, Howard W., assignor to United Steel Barrel Company, Philadelphia, Pa. Closure for sheet-metal container openings. 2,411,149; Nov. 19.

Dohrn, Max, Berlin-Charlottenburg, and P. Diedrich, Finkenkrug, Osthavelland, Germany, assignors to Schering Corporation, Bloomfield, N. J. Valuable derivatives of sulphonamides and making same. 2,411,495; Nov. 19.

Dolan, Charles H., II, Kansas City, Mo. Toilet kit. 2,411,196; Nov. 19.

Douglas Aircraft Company, Inc., assignee: *See*—
Glasgow, Charles S., and Brown.

Dow, Alden B., Midland, Mich. Display folder. 2,411,368; Nov. 19.

Dromgold, Jack K., assignee, et al.: *See*—
Engeljohn, Alvin F.

Duarte, Joseph R., Honolulu, Hawaii. Safety tongs. 2,411,319; Nov. 19.

Dudley, Adolphus M: *See*—
Curry, Herman H., and Dudley.

Dunn, Albert, and O. C. Eiland, Mount Rainier, Md. Tie rack. 2,411,320; Nov. 19.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Flenner, Albert L., and Searle.
Hanford, William E.
Hardy, Vernal R., and Haefele.
Mitchel, Frederick C., Lawrence, and Stecher.
Stevenson, Halsey B.
Walker, Joseph F.

Durand & Huguenin A. G., assignee: *See*—
de Niederhäusern, Georges.

Eastman Kodak Company, assignee: *See*—
Dickey, Joseph B., and McNally.

Eckl, Anna B., Quincy, Mass. Fracture frame strap. 2,411,417; Nov. 19.

Eigenbrodt, Hubert O. W., assignee: *See*—
Pehrson, Nils H. S.

Eiland, Odus C.: *See*—
Dunn, Albert, and Eiland.

Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.
Elliott Company, The, assignee: *See*—
Hall, Kenneth J.
Eltgroth, George V., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Radio apparatus. 2,411,198; Nov. 19.
Empire Electric Brake Company, assignee: *See*—
Penrose, William F.
Emulsol Corporation, The, assignee: *See*—
Katzman, Morris.
Engeljohn, Alvin F., assignor to J. K. Dromgold, Chicago, and H. A. Glenn, Oak Park, Ill. Latch construction. 2,411,197; Nov. 19.
Engle, Robert F.: *See*—
Kise, Mearl A., and Engle.
Euclid Road Machinery Co., The, assignee: *See*—
Armington, Stewart F.
Evans, George S., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Coating cathodes. 2,411,250; Nov. 19.
Evans, Hector C., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Oil blend. 2,411,150; Nov. 19.
Faulk, Wendell E.: *See*—
Blair, George W., Schott, and Faulk.
Feld, Bernard D., Birmingham, Ala. Hydraulic scale capsule. 2,411,251; Nov. 19.
Felver, Richard I., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steam iron. 2,411,199; Nov. 19.
Fene, William J., and G. L. Freas, Pittsburgh, Pa., assignors to The Government of The United States, as represented by the Secretary of the Interior. Collecting gas analysis samples. 2,411,157; Nov. 19.
Finman, Marian L., Minneapolis, Minn. Beautician's comb. 2,411,252; Nov. 19.
Fischer, Carl W.: *See*—
Saballus, Erwin, and Fischer.
Fisk, James B., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Output coupling for high-frequency oscillator. 2,411,151; Nov. 19.
Flenner, Albert L., and N. E. Searle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,411,253; Nov. 19.
Florence Stove Company, assignee: *See*—
Reeves, Herbert M.
Folkins, Hillis O., Skokie, and C. M. Thacker, Highland Park, assignors to The Pure Oil Company, Chicago, Ill. Converting hydrocarbons. 2,411,200; Nov. 19.
Folsom, Theodore R., New York, N. Y. Freezing and drying liquids and semi-solids. 2,411,152; Nov. 19.
Food Machinery Corporation, assignee: *See*—
Hait, James M.
Keech, Dana E.
Forkner, John H., Fresno, Calif. Improving fats and oils by addition of olive and coconut color, odor and flavor derived from olive and coconut juices and the resultant product. 2,411,201; Nov. 19.
Forrest, Victor E., Mineapolis, Minn. Door actuating mechanism. 2,411,369; Nov. 19.
Fox, Gordon: *See*—
Whitcomb, Arthur J., and Fox.
Frank, George H., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding device. 2,411,254; Nov. 19.
Freas, George L.: *See*—
Fene, William J., and Freas.
Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Fashion mechanism. 2,411,255; Nov. 19.
Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Slider mechanism. 2,411,418; Nov. 19.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Conversion of hydrocarbons. 2,411,256; Nov. 19.
Freyn Engineering Company, assignee: *See*—
Whitcomb, Arthur J.
Whitcomb, Arthur J., and Fox.
Friedman, Abraham, and P. Thompson, assignors to Unit Structures, Inc., Peshtigo, Wis. Electric planer. 2,411,257; Nov. 19.
Fries, Eduard, Oerlikon, Switzerland. Transformer with variable secondary reactance. 2,411,370; Nov. 19.
Frohnapel, Alvah V., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,411,419; Nov. 19.
Fuller, Everett W., and H. G. Berger, Woodbury, and R. H. Williams, Merchantville, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition and improving agent. 2,411,153; Nov. 19.
Fuller Label & Box Company, assignee: *See*—
Hardesty, Eugene.
Furth, Matthew A.: *See*—
Hall, Garland W., Sens, and Furth.
Gagnon, Charles L., Green Bay, Wis. Burner device for furnaces. 2,411,324; Nov. 19.
Galloway, William S., and J. Anderson, Glasgow, Scotland, assignors to Joy Manufacturing Company, Franklin, Pa. Hydraulic machine. 2,411,258; Nov. 19.
Gardner, Henry A., Chevy Chase, Md. Filled float. 2,411,202; Nov. 19.
Gear Grinding Company Limited, The, assignee: *See*—
Orcutt, Arthur H.
Geibel, William F., assignee: *See*—
Wagler, Alfred L.
Geigy, J. R., A. G., assignee: *See*—
Martin, Henry, and Margot.
General Aniline & Film Corporation, assignee: *See*—
Williams, William A.
General Control Co., assignee: *See*—
Ray, William A.
General Electric Company, assignee: *See*—
Beggs, James E.
Demartini, Robert J., and Leigh.
Guptill, Heath R.
Gurewitsch, Anatole M.
Locke, Raymond C.
McClain, Joseph W.
Miller, Charles E., and Demartini.
Richardson, George, and Horlick.
St. Palley, Zoltan O.
Slobod, Arthur A.
General Motors Corporation, assignee: *See*—
Schweller, Sylvester M.
General Time Instruments Corporation, assignee: *See*—
Beiser, Elmer H., Berninger, and Schlenker.
Gentry, William M.: *See*—
Mullins, William H., and Gentry.
George, Harry S., Massapequa, N. Y. Railroad rail and making same. 2,411,203; Nov. 19.
Geraci, Antonio, assignee: *See*—
Bongiovanni, Antonio.
Gilbreath, John N., Summerville, Ga. Loop cutter. 2,411,259; Nov. 19.
Gillespie, Henderson C., Moorestown, N. J., assignor to Radio Corporation of America. Control of electrical arcs. 2,411,325; Nov. 19.
Glasgow, Charles S., West Los Angeles, and C. G. Brown, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Landing gear. 2,411,420; Nov. 19.
Glenn, Howard A., assignee, et al.: *See*—
Engeljohn, Alvin F.
Glover, Robert C., and R. O. Childers, Olney, Ill., assignors to Baker Oil Tools, Inc., Vernon, Calif. Apparatus for supporting and cementing liners or casings in well bores. 2,411,260; Nov. 19.
Golden, Harry, New York, N. Y. Auto mirror bracket. 2,411,421; Nov. 19.
Gonella, Louis H.: *See*—
Laird, Royal B., and Gonella.
Goodrich, B. F., Company, The, assignee: *See*—
Mathes, Roger A.
Gorn, Elmer J., assignor to Raytheon Manufacturing Company, Newton, Mass. Television receiving system. 2,411,155; Nov. 19.
Granberg, Albert J., Oakland, Calif. Fluid metering apparatus. 2,411,261; Nov. 19.
Graver, Philip S., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Counterbalanced expansion roof. 2,411,262; Nov. 19.
Graver Tank & Mfg. Co., Inc., assignee: *See*—
Graver, Philip S.
Parker, Henry C., and Prager.
Prager, Frank D.
Graziano, Joseph, White Plains, N. Y. Fuel vaporizer. 2,411,204; Nov. 19.
Green, Norval H., Wood-Ridge, and W. P. Rupp, East Orange, N. J., assignors to Radio Corporation of America. Electron discharge device. 2,411,205; Nov. 19.
Grimminger, George, Washington, D. C. Automatic stabilizer. 2,411,156; Nov. 19.
Griscom Russell Company, The, assignee: *See*—
Clapper, Ray L.
Grothey, Ivan W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,411,422; Nov. 19.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Electrical signaling method. 2,411,206; Nov. 19.
Guerin, Paul R., and H. Musgrave, East Cleveland, assignors to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,411,263; Nov. 19.
Guptill, Heath R., Washington, D. C., assignor to General Electric Company. Phase shifting circuit. 2,411,423; Nov. 19.
Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency space resonant system. 2,411,424; Nov. 19.
HSB Corporation, assignee: *See*—
Melas, William, and Razek.
Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separation of hydrocarbons. 2,411,264; Nov. 19.
Haefele, Walter R.: *See*—
Hardy, Vernal R., and Haefele.
Hagner, Frederick H., San Antonio, Tex., assignor to Archbold-Hagner Instrument Laboratory, Inc. Observation and angle-determining instrument. 2,411,425; Nov. 19.
Hait, James M., San Gabriel, assignor to Food Machinery Corporation, San Jose, Calif. Chain bearing seal. 2,411,207; Nov. 19.

Hall, Charles W., assignor to Malcolm S. Losey, Denver, Colo. Quick opening rotary valve. 2,411,321; Nov. 19.
Hall, Garland W., Port Neches, R. F. Sens, Beaumont, and M. A. Furth, Nederland, Tex., assignors to The Pure Oil Company, Chicago, Ill. Bit. 2,411,209; Nov. 19.
Hall, Homer J., Roselle, and J. C. Munday, Cranford, N. J., assignors to Standard Oil Development Company. Purification of gases. 2,411,208; Nov. 19.
Hall, James, Leeds, assignor to Kingswood Manufacturing Co. Limited, Letchworth, Herts, England. Machine for making circular lathe brushes. 2,411,265; Nov. 19.
Hall, Kenneth J., assignor, by mesne assignments, to The Elliot Company, Worcester, Mass. Internal forming device. 2,411,426; Nov. 19.
Halliday, Eric C.: *See*—
Rolfes, Hans J., and Halliday.
Hamilton, Wallace, assignor to Consolidated Car-Heating Company, Albany, N. Y. Solenoid locked push door. 2,411,266; Nov. 19.
Hamrick, Lyman, Gaffney, S. C. Multiple needle tufting machine. 2,411,267; Nov. 19.
Hamrick, Lyman, Gaffney, S. C. Multiple needle looping machine. 2,411,268; Nov. 19.
Handley, George F., deceased, Glendale, by M. J. Handley, executrix, Yonkers, assignor to Royal Typewriter Company, Inc., New York, N. Y. Power operated typewriting machine. 2,411,496; Nov. 19.
Handley, Matilda J., executrix: *See*—
Handley, George F.
Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Saturated polyfluoro carbonyl compounds and their preparation. 2,411,158; Nov. 19.
Hanford, William E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricant. 2,411,159; Nov. 19.
Hardesty, Eugene, New Brighton, assignor to Fuller Label & Box Company, Pittsburgh, Pa. Machine for the application of ceramic color. 2,411,269; Nov. 19.
Harding, William R., Export, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,411,371; Nov. 19.
Hardman, Albert F., Akron, Ohio, assignor to Wingfoot Corporation. Age resistors for rubber. 2,411,427; Nov. 19.
Hardy, V. R., Wilmington, and W. R. Haefele, Bridgeville, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Slasher sizing composition and yarns sized therewith. 2,411,322; Nov. 19.
Hart, Fred V., Lynn, J. F. D. Smith, Swampscott, and L. S. Linderoth, Jr., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Control mechanism. 2,411,270; Nov. 19.
Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Aromatic substituted methyl alkyl ethers as insecticides. 2,411,428; Nov. 19.
Hegan, Horace J., Coventry, and E. H. Sharples, Kenilworth, assignors to Courtaulds Limited, London, England. Treatment of cellulosic textile materials. 2,411,429; Nov. 19.
Heglaw, Vincent E.: *See*—
Day, William P., J. J., and W. P., Jr., and Heglaw.
Hemphill Company, assignee: *See*—
Fregeolle, Oscar.
St. Pierre, Eugene.
Henderson, Wallace M., Stepps, Scotland, assignor to Aveling-Barford Limited, Grantham, England. Trench excavator. 2,411,210; Nov. 19.
Henry, Robert W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization process. 2,411,211; Nov. 19.
Herren, Asa: *See*—
Mitchell, John W., and Herren.
Hicks, William A., Chicago, Ill. Picture frame. 2,411,372; Nov. 19.
Hillyer, Curtis, Jr., and H. Blackstone, Richmond Hill, N. Y. Light sensitive device. 2,411,323; Nov. 19.
Hinde & Dauch Paper Company, The, assignee: *See*—
Dieckbrader, Frederick A.
Hodson, Hollis C., Plainfield, Ind. Diaper container. 2,411,430; Nov. 19.
Holowenko, Alfred R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torsional vibration absorber. 2,411,373; Nov. 19.
Hook, Edwin O.: *See*—
Cook, Elmer W., and Hook.
Hoover Company, The, assignee: *See*—
White, Harry B.
Horlick, John: *See*—
Richardson, George, and Horlick.
Horstman, Clifford C., Sharpsville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic core structure for three-phase transformers. 2,411,374; Nov. 19.
Houdaille-Hershey Corporation, assignee: *See*—
Johnson, Bernard C.
Howard, James, Jr., Fairfield, and A. C. Noland, Pratt City, Ala. Curtain hanger. 2,411,431; Nov. 19.
Hubbell, Fred D., Baltimore, Md. Apparatus for fumigating buildings. 2,411,212; Nov. 19.
Hughes, Everett C., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Beneficiating mineral oils. 2,411,160; Nov. 19.
Hydrojet Corporation, assignee: *See*—
Boeckeler, Benjamin C.
Imber, Jack, Greenford, England. Aerial bombs, pyrotechnic devices and the like. 2,411,432; Nov. 19.
Industrial Brownhoist Corporation, assignee: *See*—
Taylor, Ernest W., and Nielsen.
Industrial Patents Corporation, assignee: *See*—
Lofdahl, Lyle J.
Interior, United States of America, as represented by the Secretary of, assignee: *See*—
Fene, William J., and Freas.
International Products Company, assignee: *See*—
Johannes, Dana B., Jr.
Jackel, Arthur P., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,411,375; Nov. 19.
Jackson, Henry L., White Plains, N. Y. Suspenders. 2,411,161; Nov. 19.
Jackson, William I., Orange, Calif. Aircraft propeller. 2,411,271; Nov. 19.
Jerome, Arthur L.: *See*—
Pascoe, Frank T., and Jerome.
Johannes, Dana B., Jr., Silver Spring, Md., assignor to International Products Company, Washington, D. C. Nonslip cementitious composition and article. 2,411,213; Nov. 19.
Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Refrigerant evaporator. 2,411,376; Nov. 19.
Johnson & Johnson, assignee: *See*—
Turner, George T., and Wenzelberger.
Johnstone, Theodore H., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 2,411,433; Nov. 19.
Joy Manufacturing Company, assignee: *See*—
Galloway, William S., and Anderson.
Simmons, Leon E.
Karabinos, Joseph V.: *See*—
Patterson, Wilbur I., and Karabinos.
Katzman, Morris, Chicago, Ill., assignor to The Emulsol Corporation. Preparation of chemical compounds. 2,411,434; Nov. 19.
Keech, Dana E., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Chain bearing seal. 2,411,214; Nov. 19.
Keller, Frederick A., East Paterson, assignor to Bright Star Battery Company, Clifton, N. J. Battery. 2,411,272; Nov. 19.
Kelso, Charles D., Crete, Ill., and C. E. Adams, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Synthetic fusible amine resins and obtaining the same. 2,411,142; Nov. 19.
Kennedy, Woodford A., and B. A. Southerland, Charlotte, N. C.; said Southerland assignor to said Kennedy. Device for indicating the unauthorized operation of registers. 2,411,273; Nov. 19.
Kerian, Louis, Grafton, N. Dak. Roller gauge sorting machine. 2,411,274; Nov. 19.
Kimball, Albert W., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,411,377; Nov. 19.
King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,411,162; Nov. 19.
King, George E., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,411,378; Nov. 19.
Kingswood Manufacturing Co. Limited, assignee: *See*—
Hall, James.
Kinneberg, Ivar H., and C. L. Thomas, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Organopolysulfide rubber. 2,411,275; Nov. 19.
Kinneberg, Ivar H., and C. L. Thomas, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Organopolysulfide rubber. 2,411,276; Nov. 19.
Kirschenbaum, Samuel, Brooklyn, N. Y. Liquid dispensing device. 2,411,435; Nov. 19.
Kise, Mearl, and R. F. Engle, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Production of substituted succinic anhydrides. 2,411,215; Nov. 19.
Kopp, Sigmund, Glen Rock, N. J., assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,411,436; Nov. 19.
Lada, Irving: *See*—
Blair, Francis E., and Lada.
Laird, Royal B., and L. H. Gonella, Merced, Calif. Tractor-implement combination. 2,411,277; Nov. 19.
Lake, George R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Recovery of aqueous azeotrope former in azeotropic distillation of hydrocarbons. 2,411,437; Nov. 19.
Lake, Stanley H.: *See*—
McMillin, James R., and Lake.
Lane, Fred A., assignor to Lane Motors Incorporated, Shelburn, Ind. Pump. 2,411,438; Nov. 19.
Lane Motors, Incorporated, assignee: *See*—
Lane, Fred A.

Langhammer, Anthony J., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for making briquettes. 2,411,379; Nov. 19.

Lawrence, James C.: *See*—
Mitchell, Frederick C., Lawrence, and Stecher.

Leavitt, Lillie M., Lakeport, N. H. Bed-type chair. 2,411,278; Nov. 19.

Lee, George H., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Brazing, soldering, or the like process. 2,411,439; Nov. 19.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,411,279; Nov. 19.

Leigh, Henry H.: *See*—
Demartini, Robert J., and Leigh.

Le Page, Wilbur R., Pikesville, Md., assignor to Radio Corporation of America. Light source feed-back system. 2,411,440; Nov. 19.

Leroy, Everett R., New York, and G. L. Bush, Flushing, assignors to The Teleregister Corporation, New York, N. Y. Telegraph receiving distributor system. 2,411,441; Nov. 19.

Le Tourneau, R. G., Inc., assignee: *See*—
Lichtenberg, Erich H., and Webster.

Leutz, Oscar N., Port Clinton, Ohio. Automatic gas pressure relief bottle. 2,411,216; Nov. 19.

Levine, John, Brooklyn, N. Y. Peanut roaster. 2,411,217; Nov. 19.

Lichtenberg, Erich H., Milwaukee, Wis., and P. S. Webster; said Webster assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Self-loading scraper. 2,411,280; Nov. 19.

Lieber, Eugene: *See*—
Young, David W., and Lieber.

Linde Air Products Company, The, assignee: *See*—
Smith, George H.

Linderoth, Lambert S., Jr.: *See*—
Hart, Fred V., Smith, and Linderoth.

Locke, Raymond C., Schenectady, N. Y., assignor to General Electric Company. Pulse generator. 2,411,442; Nov. 19.

Lofdahl, Lyle J., assignor to Industrial Patents Corporation, Chicago, Ill. Manufacture of soap. 2,411,443; Nov. 19.

Long, Fred R., Miamisburg, Ohio. Poultry feeder. 2,411,281; Nov. 19.

Losey, Malcolm S., assignee: *See*—
Hall, Charles W.

Louden Machinery Company, assignee: *See*—
Mappin, Vermont V.

Lundbye, Axel E., assignor to Crowell-Collier Publishing Company, Springfield, Ohio. Electroplating and treating cutting edge tools and the like. 2,411,327; Nov. 19.

Lyon, George A., Allenhurst, N. J. Wheel trim. 2,411,163; Nov. 19.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,411,164; Nov. 19.

Maccaferri, Mario, New York, N. Y. Ligature for saxophone mouthpieces. 2,411,380; Nov. 19.

MacNab, Marian W., Chevy Chase, Md. Dressmaker's pattern. 2,411,328; Nov. 19.

Maistre, Marcel, Neuchatel, Switzerland. Balance wheel. 2,411,444; Nov. 19.

Maizel, Ben, assignor to Vico Products Company, Chicago, Ill. Treatment of yeast to enhance vitamin potency thereof. 2,411,445; Nov. 19.

Mankouski, Charles, Portland, Oreg. Holder for welding rods. 2,411,329; Nov. 19.

Mann, Cecil A., Dayton, Ohio. Fluid operated motor. 2,411,282; Nov. 19.

Manson, Frank G., Chicago, Ill. Retainer for D-rings for parachute harnesses. 2,411,381; Nov. 19.

Mappin, Vermont V., assignor to The Louden Machinery Company, Fairfield, Iowa. Traveling crane. 2,411,218; Nov. 19.

Margot, Alfred: *See*—
Martin, Henry, and Margot.

Mars, Solomon, New York, N. Y. Anchor watch strap. 2,411,446; Nov. 19.

Martin, Glenn L., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Docking flying boats. 2,411,382; Nov. 19.

Martin, Glenn L., Company, The, assignee: *See*—
Martin, Glenn L.

Martin, Henry, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Piperidinoethanol ester of di-n-butyl acetic acid. 2,411,283; Nov. 19.

Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reaction products of dihaloethers with dithiocarbamates. 2,411,219; Nov. 19.

Mathews Conveyer Company, assignee: *See*—
Anderson, Martin J.

McBride, Lewis M., U. S. Army. Clinometer. 2,411,165; Nov. 19.

McClain, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Shockproof switch. 2,411,447; Nov. 19.

McDargh, Harry J., Jr., Atlanta, Ga. Portable dispenser unit. 2,411,220; Nov. 19.

McGuire, Norbert P., Wilmore, Pa. Cabinet. 2,411,221; Nov. 19.

McLean, Robert E., Fort Benning, Ga. Bracket support. 2,411,448; Nov. 19.

McLean, Robert E., Fort Benning, Ga. Rotary type can opener. 2,411,449; Nov. 19.

McMillin, James R., and S. H. Lake, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Making reinforced slivers. 2,411,326; Nov. 19.

McNally, James G.: *See*—
Dickey, Joseph B., and McNally.

Meigs, Henry G., Milwaukee, Wis. Highway reflector sign and the like. 2,411,222; Nov. 19.

Melas, William, Philadelphia, and J. Razek, Llanerch, Pa., assignors, by mesne assignments, to HSB Corporation. Measuring system. 2,411,330; Nov. 19.

Merwin, Walter J.: *See*—
Teter, John W., and Merwin.

Metallisation, Limited, assignee: *See*—
Ballard, William E.

Miller, Albert R., Hialeah, Fla. Yieldable support for vibratory mechanisms. 2,411,383; Nov. 19.

Miller, Charles E., Scotia, and R. J. Demartini, Schenectady, N. Y., assignors to General Electric Company. Material testing apparatus. 2,411,450; Nov. 19.

Miller, Donald J., assignor to American Anode, Inc., Akron, Ohio. Nondeteriorating rubber insulated wire. 2,411,284; Nov. 19.

Miller, Richard G., Milwaukie, Oreg. Low inflation alarm for vehicle tires. 2,411,285; Nov. 19.

Miller, Ward E., and B. J. Porter, Albert Lea, Minn. Visual milk tester. 2,411,384; Nov. 19.

Mills, Harry C., Rye, N. Y. Loop transferring device. 2,411,452; Nov. 19.

Miner, W. H., Inc., assignee: *See*—
Lehman, Edward H.

Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Blair, George W., Schott, and Faulk.

Mitchell, Frederick C., Wilmington, Del., J. C. Lawrence, Moylan, Pa., and J. L. Stecher, Wilmington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for making alkyl lead compounds. 2,2411,453; Nov. 19.

Mitchell, John W., and A. Herron, Irvine, Calif. Merchandise loader. 2,411,286; Nov. 19.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,411,287; Nov. 19.

Morris, Anderson F., Georgetown, assignor of one-fourth to D. W. Morris, Fort Worth, Tex. Weed cutter attachment for drill cultivators. 2,411,454; Nov. 19.

Morris, Douglas W., assignee: *See*—
Morris, Anderson F.

Morse, Albert R., Shaker Heights, Ohio. Froth flotation wth simultaneous filtration and collection of froth. 2,411,288; Nov. 19.

Mouromtseff, Ilia E., Montclair, and G. M. Dinnick, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beat oscillator. 2,411,289; Nov. 19.

Mullins Manufacturing Corporation, assignee: *See*—
Stanitz, Jacques.

Mullins, William H., and W. M. Gentry, South Boston, Va. Gearshift locking device. 2,411,455; Nov. 19.

Munday, John C.: *See*—
Hall, Homer J., and Munday.

Musgrave, Herman: *See*—
Guerin, Paul R., and Musgrave.

Nachemov, Leonard, assignor to Sossner Steel Stamps, New York, N. Y. Precision grinding wheel dressing device. 2,411,223; Nov. 19.

Nash-Kelvinator Corporation, assignee: *See*—
Frohnapel, Alvah V.
Philipp, Lawrence A.

Navy, United States of America, as represented by the Secretary of, assignee: *See*—
Bertram, Sidney.

Nettleship, Neil, San Diego, Calif. Baby holder and carrier. 2,411,331; Nov. 19.

Newman, Max M. and V. M., New York, N. Y. Collar. 2,411,385; Nov. 19.

Newman, Victor M.: *See*—
Newman, Max M. and V. M.

Nielsen, Peter: *See*—
Taylor, Ernest W., and Nielsen.

Noland, Albert C.: *See*—
Howard, James, Jr., and Noland.

North American Philips Company, Inc., assignee: *See*—
Shore, Sidney X.

Olson, Roy H., Marion, Iowa, assignor to Collins Radio Company. Frequency multiplier. 2,411,166; Nov. 19.

Orchard, Carl S., Janesville, Calif. Portable cabinet-table. 2,411,332; Nov. 19.

Orcutt, Arthur H., assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England. Machine for grinding the teeth of gear wheels. 2,411,456; Nov. 19.

O'Reilly, Joe, Tacoma, Wash., assignor to Welding Service Sales, Inc., San Francisco, Calif. Welder's helmet. 2,411,224; Nov. 19.

Orland, Louis, Los Angeles, Calif. Machine for shredding, grating, and/or slicing foodstuffs. 2,411,333; Nov. 19.

Owens-Corning Fiberglas Corporation, assignee: *See*—
McMillin, James R., and Lake.

Paillard, E., et Cie S. A., assignee: *See*—
Prezioso, Guiseppe.

Palmer, Delores, Memphis, Tenn. Brassière. 2,411,334; Nov. 19.

Park, Malcolm S.: *See*—
Perkins, Kenneth, and Park.

Parker, Henry C., Washington, D. C., and F. D. Prager, Chicago, Ill., assignors to Graver Tank & Mfg. Co., Inc. Apparatus for clarifying and purifying liquids. 2,411,386; Nov. 19.

Pascoe, Frank T., Carnegie, and A. L. Jerome, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,411,387; Nov. 19.

Patterson, Frank M., Pitman, N. J. Low water alarm. 2,411,457; Nov. 19.

Patterson, Wilbur L., Chagrin Falls, and J. V. Karabinos, Columbus, Ohio, assignors, by mesne assignments, to Wyeth Incorporated, Philadelphia, Pa. 3,4-Dibromotetrahydrothiophene. 2,411,225; Nov. 19.

Paul, Peter, Inc., assignee: *See*—
Zeun, Louis H.

Pehrson, Nils H. S., Trollhattan, assignor to Hubert O. W. Eigenbrodt, Stockholm, Sweden. Car body. 2,411,226; Nov. 19.

Pennsylvania Crusher Company, The, assignee: *See*—
Stine, James E., and Borton.

Penrose, William F., Newark, N. J., assignor to Empire Electric Brake Company. Booster brake mechanism. 2,411,458; Nov. 19.

Perkins, Kenneth, Scotch Plains, N. J., and M. S. Park, Mount Kisco, N. Y., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine frame. 2,411,459; Nov. 19.

Perl, Helen N., New York, N. Y. Pattern and forming breast forms. 2,411,388; Nov. 19.

Perry, Nelson I., Chicago, Ill. Combined foot brake and accelerator. 2,411,167; Nov. 19.

Peters, Melville F., Beltsville, Md., and J. J. Phillips, Irvington, assignors to Titeflex, Inc., Newark, N. J. Electric fuse. 2,411,460; Nov. 19.

Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telemetric system. 2,411,389; Nov. 19.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,411,461; Nov. 19.

Phillips, John J.: *See*—
Peters, Melville F., and Phillips.

Phillips Petroleum Company, assignee: *See*—
Frey, Frederick E.
Hachmuth, Karl H.
Henry, Robert W.

Planiol, André P. E., Huntington, and R. J. H. Planiol, New York, N. Y. Power plant for airplanes. 2,411,227; Nov. 19.

Planiol, René J. H.: *See*—
Planiol, André P. E. and R. J. H.

Plehn, Henry M., Brooklyn, N. Y. Brassière and making same. 2,411,462; Nov. 19.

Pontius, George W., III, assignor to Bendix Aviation Corporation, South Bend, Ind. Machine gun synchronizer. 2,411,290; Nov. 19.

Porter, Bennett J.: *See*—
Miller, Ward E., and Porter.

Poulsen, Alfred E., Los Angeles, Calif. Portable cart dumping apparatus. 2,411,228; Nov. 19.

Powers Regulator Company, The, assignee: *See*—
Saballus, Erwin, and Fischer.

Pozgay, Carl, Jamaica, N. Y. Marine carburetor clutch control. 2,411,463; Nov. 19.

Prager, Frank D.: *See*—
Parker, Henry C., and Prager.

Prager, Frank D., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc. Liquid treatment. 2,411,390; Nov. 19.

Pratt, James H., Birmingham, England. Sealing means for pistons subject to fluid pressure. 2,411,229; Nov. 19.

Prezioso, Giuseppe, Yverdon, Switzerland, assignor to E. Paillard et Cie S. A. Device for manipulating account forms in rotary office machines. 2,411,335; Nov. 19.

Pure Oil Company, The, assignee: *See*—
Folkins, Hillis O., and Thacker.
Hall, Garland W., Sens, and Furth.
Thacker, Carlisle M.

Radio Corporation of America, assignee: *See*—
Bliss, Warren H.
Gillespie, Henderson C.
Green, Norval H., and Rupp.
Le Page, Wilbur R.

Radio Patents Corporation, assignee: *See*—
Guanella, Gustav.

Ramstedt, Emil L., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Adjustable die. 2,411,291; Nov. 19.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Gauge. 2,411,292; Nov. 19.

Ray, William A., Los Angeles, Calif., assignor to General Control Co. Burner control system. 2,411,230; Nov. 19.

Raytheon Manufacturing Company, assignee: *See*—
Gorn, Elmer J.

Razek, Joseph, et al.: *See*—
Melas, William, and Razek.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Stove construction. 2,411,464; Nov. 19.

Reichel, Frank H., and A. O. Russell, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Apparatus for dialyzing. 2,411,230; Nov. 19.

Reiter, Adolph, New York, N. Y. Hair curler. 2,411,336; Nov. 19.

Research Corporation, assignee: *See*—
Sloan, David H.

Richardson, George, and J. Horlick, Lynn, Mass., assignors to General Electric Company. Gas-arc hand torch. 2,411,465; Nov. 19.

Ridgway, Edmund T., Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa. Spring suspension. 2,411,337; Nov. 19.

Robaczynski, Ladislaus, Brooklyn, N. Y. Lubricating system. 2,411,391; Nov. 19.

Roberts, Shepard, Cambridge, Mass., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War. Wave guide. 2,411,338; Nov. 19.

Robey, Ralph, New York, N. Y. Lady's skirt hanger. 2,411,466; Nov. 19.

Roehner, William A., assignor to Wenzel Projector Company, Chicago, Ill. Ticket roll holder. 2,411,293; Nov. 19.

Rolfes, Hans J., Melrose, Transvaal, and E. C. Halliday, Parktown North, Transvaal, Union of South Africa. Firing means. 2,411,339; Nov. 19.

Royal Typewriter Company, Inc., assignee: *See*—
Handley, George F.
Wendt, Frederick C.

Ruegg, Rudolf, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Thermal power plant. 2,411,294; Nov. 19.

Ruigh, William L.: *See*—
Wintersteiner, Oskar, and Ruigh.

Rundle, Walter, Berea, and H. E. Bruce, Elyria, Ohio. Spearhead nozzle. 2,411,231; Nov. 19.

Rupp, William B.: *See*—
Green, Norval H., and Rupp.

Russell, Arthur O.: *See*—
Reichel, Frank H., and Russell.

Russell, Stanley D., Racine, Wis., assignor to J. I. Case Company. Baler. 2,411,467; Nov. 19.

Saballus, Erwin, and C. W. Fischer, assignors to The Powers Regulator Company, Chicago, Ill. Control mechanism. 2,411,295; Nov. 19.

St. Palley, Zoltan O., Pittsfield, Mass., assignor to General Electric Company. Load-ratio-control circuit. 2,411,476; Nov. 19.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Providence County, R. I. Clutch and pattern drum mechanism. 2,411,303; Nov. 19.

Samuel Stamping and Enameling Company, assignee: *See*—
Zimbelman, George W., and Cherry.

Saville, William S., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Control mechanism for hydraulically operated devices. 2,411,392; Nov. 19.

Schering Corporation, assignee: *See*—
Dohrn, Max, and Diedrich.

Schlenker, Max E.: *See*—
Beiser, Elmer H., Berninger, and Schlenker.

Schlumbohm, Peter, New York, N. Y. Decanter flask. 2,411,340; Nov. 19.

Schoenbrun, Maurice, assignee: *See*—
Stockman, Irving.

Schott, John F.: *See*—
Blair, George W., Schott, and Faulk.

Schweller, Sylvester M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,411,296; Nov. 19.

Scott & Williams, Incorporated, assignee: *See*—
Grothey, Ivan W.

Searle, Norman E.: *See*—
Fienner, Albert L., and Searle.

Sedwick, Matthew M., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for closing containers. 2,411,232; Nov. 19.

Seely, Oliver, Long Beach, Calif. Key selector and container. 2,411,168; Nov. 19.

Sender, Leopold, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa. Manufacture of soap. 2,411,468; Nov. 19.

Sender, Leopold, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa. Manufacture of soap. 2,411,469; Nov. 19.

Senn, Rudolf, Basel, Switzerland. Coat hanger adapted to be sewed into the shoulder lining of clothes. 2,411,233; Nov. 19.

Sens, Richard F.: *See*—
Hall, Garland W., Sens, and Furth.

Serna, Alex, Dearborn, Mich. Helicopter. 2,411,297; Nov. 19.

Sharples Corporation, The, assignee: *See*—
Sender, Leopold.
Sharples, Edwin H.: *See*—
Hegan, Horace J., and Sharples.
Shaw, Thomas P. G., Shawinigan Falls, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Composition comprising vermiculite and a thermoplastic resin. 2,411,470; Nov. 19.
Shawinigan Chemicals Limited, assignee: *See*—
Shaw, Thomas P. G.
Shell Development Company, assignee: *See*—
Wachter, Aaron, and Treseder.
Walters, Ernest T.
Shepard, Frank B., Texon, Tex. Filtering apparatus. 2,411,341; Nov. 19.
Sherman, Arthur G., assignor to Sherman Laboratories, Detroit, Mich. Display and dispensing package for tablets. 2,411,471; Nov. 19.
Sherman Laboratories, assignee: *See*—
Sherman, Arthur G.
Sherman, Ralston M., Glastonbury, Conn. Hydrocarbon combustion tube burner. 2,411,342; Nov. 19.
Shore, Sidney X., New York, assignor to North American Philips Company, Inc., Dobbs Ferry, N. Y. Piezoelectric crystal. 2,411,298; Nov. 19.
Sifferd, Robert H., Brookfield, assignor to Armour and Company, Chicago, Ill. Isolation of dehydrocholic acid. 2,411,169; Nov. 19.
Silver, Samuel R., Brooklyn, N. Y. Apparatus for grinding teeth. 2,411,234; Nov. 19.
Simmon Brothers, Inc., assignee: *See*—
Weisglass, Louis L.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Kerf cutting device. 2,411,170; Nov. 19.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Kerf cutting device. 2,411,171; Nov. 19.
Sinclair Refining Company, assignee: *See*—
Teter, John W., and Merwin.
Singer, Henry, Honolulu, Hawaii. Spraying apparatus. 2,411,343; Nov. 19.
Singer, Henry, Honolulu, Hawaii. Opener for liquid containers. 2,411,344; Nov. 19.
Singer Manufacturing Company, The, assignee: *See*—
Perkins, Kenneth, and Park.
Wood, Alfred R.
Sloan, David H., Berkeley, Calif., assignor to Research Corporation, New York, N. Y. High-frequency triode oscillator. 2,411,299; Nov. 19.
Slobod, Arthur A., Richmond, Calif., assignor to General Electric Company. Antenna system. 2,411,472; Nov. 19.
Smith, Charles W., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Timer. 2,411,393; Nov. 19.
Smith, George H., Kenmore, N. Y., assignor to The Linde Air Products Company. Apparatus and method for filling gas storage cylinders. 2,411,235; Nov. 19.
Smith, John F. D.: *See*—
Hart, Fred V., Smith, and Linderoth.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Fuller, Everett W., Berger, and Williams.
Wingrove, Byron F.
Solvay Process Company, The, assignee: *See*—
Kise, Mearl, A., and Engle.
Sossner Steel Stamps, assignee: *See*—
Nachemov, Leonard.
Southerland, Beverly A.: *See*—
Kennedy, Woodford A., and Southerland.
Southwell, Charles R., San Antonio, Tex. Map and location finding means therefor. 2,411,300; Nov. 19.
Squibb, E. R., & Sons, assignee: *See*—
Stavely, Homer E.
Wintersteiner, Oskar, and Ruigh.
Standard Oil Company, assignee: *See*—
Adams, Chester E.
Kelso, Charles D., and Adams.
Standard Oil Company, The, assignee: *See*—
Hughes, Everett C.
Standard Oil Development Company, assignee: *See*—
Evans, Hector C., and Young.
Hall, Homer J., and Munday.
Young, David W., and Lieber.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Making pressed metal water closets. 2,411,301; Nov. 19.
Stanley Works, The, assignee: *See*—
Webster, John H.
Stants, Levi B., Abilene, Kans. Mechanism for applying bale ties. 2,411,473; Nov. 19.
Stavely, Homer E., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. 17-acetyl-17-hydroxyperhydrocyclopentenophenanthrenes, anils, and oximes thereof, and preparing them. 2,411,172; Nov. 19.
Stecher, Joseph L. S.: *See*—
Mitchell, Frederick C., Lawrence, and Stecher.
Sterling Varnish Company, The, assignee: *See*—
Alexander, Don F.
Stevenson, Halsey B., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Improving filaments of hydrolyzed olefin/vinyl organic ester interpolymers. 2,411,474; Nov. 19.
Stiefel, Charles W., Jr., assignee: *See*—
De Villard, Jean F.
Stine, James E., Aldan, and G. W. Borton, assignors to Pennsylvania Crusher Company, Philadelphia, Pa. Impactor. 2,411,302; Nov. 19.
Stockman, Irving, New York, N. Y., assignor of one-half to M. Schoenbrun. Simplified duplicating device. 2,411,475; Nov. 19.
Straight, Merton T., Des Moines, Iowa. Wall construction. 2,411,477; Nov. 19.
Strayer, Lawrence H., Kent, Ohio. Toy train coupler. 2,411,394; Nov. 19.
Stuhr, Joseph H., U. S. Navy. Striking bag support structure. 2,411,173; Nov. 19.
Submarine Signal Company, assignee: *See*—
Clement, Ivan C.
Sullivan, Alan P., Elizabeth, N. J., assignor to Cities Service Oil Company, New York, N. Y. Multiposition rotary switch. 2,411,478; Nov. 19.
Suttles, Omar, Los Angeles, Calif. Cooking utensil. 2,411,345; Nov. 19.
Sutton Engineering Company, assignee: *See*—
Sutton, John B.
Sutton, John B., Bellefonte, assignor to Sutton Engineering Company, Pittsburgh, Pa. Round straightener. 2,411,395; Nov. 19.
Swensen, Albert D., Washington, D. C., and R. D. Williams, Jr., U. S. Navy. Article supporting apparatus. 2,411,174; Nov. 19.
Sylvania Industrial Corporation, assignee: *See*—
Reichel, Frank H., and Russell.
Zender, Justin.
Symmes, Daniel D., West Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Method and apparatus for lapping dies. 2,411,304; Nov. 19.
Tarlow, Isidor, Brockton, Mass. Shoe manufacture. 2,411,479; Nov. 19.
Taylor, Ernest W., and P. Nielsen, assignors to Industrial Brownhoist Corporation, Bay City, Mich. Foldable A-frame for excavating machines. 2,411,305; Nov. 19.
Teleregister Corporation, The, assignee: *See*—
Leroy, Everett R., and Bush.
Teletype Corporation, assignee: *See*—
Burcky, Charles W.
Temple, Alan E. S., Godalming, England. Movable bridge, dock gate, and the like. 2,411,480; Nov. 19.
Teter, John W., and W. J. Merwin, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Refining of nitriles. 2,411,346; Nov. 19.
Texas Company, The, assignee: *See*—
Wolf, Alexander, and Cowles.
Thacker, Carlisle M.: *See*—
Folkins, Hillis O., and Thacker.
Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Converting hydrocarbons into organic sulphur compounds. 2,411,236; Nov. 19.
Thomas, Charles L.: *See*—
Kinneberg, Ivar H., and Thomas.
Thompson, Peter: *See*—
Friedman, Abraham, and Thompson.
Times Telephoto Equipment Inc., assignee: *See*—
Colley, Austin G.
Titeflex, Inc., assignee: *See*—
Peters, Melville F., and Phillips.
Towmotor Corporation, assignee: *See*—
Guerin, Paul R., and Musgrave.
Treseder, Richard S.: *See*—
Wachter, Aaron, and Treseder.
Trico Products Corporation, assignee: *See*—
Rappl, Anton.
Trumpler, William E., Easton, Pa., assignor to Carrier Corporation, Syracuse, N. Y. Refrigerant vapor system. 2,411,347; Nov. 19.
Turner, Charles L., assignor to L. J. Turner, Long Beach, Calif. Pin clearing apparatus. 2,411,348; Nov. 19.
Turner, George T., New York, N. Y., and E. P. Wenzelberger, Plainfield, N. J., assignors to Johnson & Johnson. Adhesive sheets. 2,411,237; Nov. 19.
Turner, Leighton J., assignee: *See*—
Turner, Charles L.
Tykeson, Martin, Hamden, Conn. Door check. 2,411,481; Nov. 19.
Union Oil Company of California, assignee: *See*—
Lake, George R.
Union Switch & Signal Company, The, assignee: *See*—
Jackel, Arthur P.
Pascoe, Frank T., and Jerome.
Unit Structures, Inc., assignee: *See*—
Friedman, Abraham, and Thompson.
United Shoe Machinery Corporation, assignee: *See*—
Hart, Fred V., Smith, and Linderoth.
United States Steel Supply Company, assignee: *See*—
Copthorne, Howard N.
United Steel Barrel Company, assignee: *See*—
Dodson, Howard W.

Universal Oil Products Company, assignee: *See*—
Kinneberg, Ivar H., and Thomas.
Universal Winding Company, assignee: *See*—
Beckman, Gustaf S.
Van Alstyne, Thomas J., Portland, Oreg. Bottle cap. 2,411,349; Nov. 19.
Vandersee, Arnold E., assignor of one-half to H. W. Dieringer, Chicago, Ill. Turbine control. 2,411,482; Nov. 19.
Van Gaasebeek, William H., Short Hills, N. J. Pelorus. 2,411,306; Nov. 19.
Vico Products Company, assignee: *See*—
Maizel, Ben.
Wachter, Aaron, Berkeley, and R. S. Treseder, San Francisco, Calif., assignors to Shell Development Company. Corrosion inhibition in catalytic hydrocarbon conversion. 2,411,483; Nov. 19.
Wagler, Alfred L., deceased, North Hills; A. Wagler, executrix, assignor to W. F. Geibel, Philadelphia, Pa. Elastic fabric and making the same. 2,411,175; Nov. 19.
Wagler, Antonia, executrix: *See*—
Wagler, Alfred L.
Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of formaldehyde and sodium cyanamide. 2,411,396; Nov. 19.
Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of sodium cyanamide-formaldehyde condensation product. 2,411,397; Nov. 19.
Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Plastic molding. 2,411,398; Nov. 19.
Walls, Eric C.: *See*—
Cowley, Percy E. A., and Walls.
Walpole, Alfred R., Chicago, Ill., assignor to American Brake Shoe Company, New York, N. Y. Apparatus for finishing forgings. 2,411,399; Nov. 19.
Walters, Ernest L., San Francisco, Calif., assignor to Shell Development Company. Stabilized aromatic amines. 2,411,307; Nov. 19.
War, United States of America, as represented by the Secretary of, assignee: *See*—
Roberts, Shepard.
Washburn, Frank, Battle Ground, Ind. Surface covering material. 2,411,308; Nov. 19.
Watter, Michael, Philadelphia, Pa., assignor to The Budd Company. Air speed indicator. 2,411,484; Nov. 19.
Webb, Herbert J.: *See*—
Baker, Benjamin P., and Webb.
Weber, William T., Lansdowne, assignor of one-half to J. Applebaum, Philadelphia, Pa. System for directing the movements of air and/or marine craft. 2,411,400; Nov. 19.
Webster, John H., Rocky Hill, assignor to The Stanley Works, New Britain, Conn. Clamping means for windshield de-icer panels. 2,411,485; Nov. 19.
Webster, Percy S.: *See*—
Lichtenberg, Erich H., and Webster.
Weisglass, Louis L., New York, assignor, by mesne assignments, to Simmon Brothers, Inc., Long Island City, N. Y. Light measuring device for photographic enlargers. 2,411,486; Nov. 19.
Welch, William P., Arlington, Va., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Accelerometer. 2,411,401; Nov. 19.
Welding Service Sales, Inc., assignee: *See*—
O'Reilly, Joe.
Wendt, Frederick C., Copiague, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,411,401; Nov. 19.
Wentz, Edward C., Sharpsville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Linear coupler. 2,411,403; Nov. 19.
Wenzel Projector Company, assignee: *See*—
Roehner, William A.
Wenzelberger, Elwood P.: *See*—
Turner, George T., and Wenzelberger.
Wessel, Carl, assignor to C. Wessel and L. W. Cleminson, Chicago, Ill., as trustees. Making metal castings. 2,411,176; Nov. 19.
Western Electric Company, Incorporated, assignee: *See*—
Frank, George H.
Westinghouse Electric Corporation, assignee: *See*—
Alben, Frank L.
Armstrong, George C.
Arnott, Edward G. F., and Dawley.
Baker, Benjamin P., and Webb.
Bichsel, Harry J.
Boden, Samuel H., and Cumming.
Boykin, John R.
Brecht, Winston A.
Chubbuck, Leonard B.
Curry, Herman H., and Dudley.
Evans, George S.
Felver, Richard I.
Harding, William R.
Holowenko, Alfred R.
Horstman, Clifford C.
Kimball, Albert W.
King, George E.
Mouromtseff, Ilia E., and Dinnick.
Smith, Charles W.
Welch, William P.
Wentz, Edward C.
Wheelco Instruments Company, assignee: *See*—
Cohen, Theodore A.
Whitcomb, Arthur J., assignor to Freyn Engineering Company, Chicago, Ill. Blast furnace construction. 2,411,487; Nov. 19.
Whitcomb, Arthur J., and G. Fox, assignors to Freyn Engineering Company, Chicago, Ill. Liquid measuring and delivering means. 2,411,309; Nov. 19.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,411,488; Nov. 19.
Wilkins, Ralph R., Cortland, N. Y. Lens cleaning dispenser cabinet. 2,411,310; Nov. 19.
Williams, La Mar S., Provo, Utah. Combination salt and pepper shaker. 2,411,489; Nov. 19.
Williams, Robert D., Jr.: *See*—
Swensen, Albert D., and Williams.
Williams, Robert H.: *See*—
Fuller, Everett W., Berger, and Williams.
Williams, Ward, Brandon, Wis. Toy blower. 2,411,490; Nov. 19.
Williams, William A., Port Crane, assignor to General Aniline & Film Corporation, New York, N. Y. X-ray exposure calculator. 2,411,491; Nov. 19.
Wingfoot Corporation, assignee: *See*—
Hardman, Albert F.
Wingrove, Byron F., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treating waxy stocks. 2,411,492; Nov. 19.
Winn, Sidney B., Lapeer, Mich. Safety jaw for fifth wheel assemblies. 2,411,404; Nov. 19.
Wintersteiner, Oskar, New Brunswick, and W. L. Ruigh, Princeton, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemical compounds. 2,411,177; Nov. 19.
Wolf, Alexander, and L. G. Cowles, Houston, Tex., assignors to The Texas Company, New York, N. Y. Well sounding apparatus. 2,411,311; Nov. 19.
Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Buttonhole sewing machine. 2,411,493; Nov. 19.
Wyeth Incorporated, assignee: *See*—
Patterson, Wilbur I., and Karabinos.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Johnstone, Theodore H.
Yonkers, William A., Northfield Township, Cook County, Ill. Fuel delivery system for internal-combustion engines. 2,411,312; Nov. 19.
Young, David W.: *See*—
Evans, Hector C., and Young.
Young, David W., Roselle, N. J., and E. Lieber, New York, N. Y., assignors to Standard Oil Development Company. Oil composition. 2,411,178; Nov. 19.
Yuhas, Marie, Chicago, Ill. Starter arrangement for split-phase motors. 2,411,405; Nov. 19.
Zender, Justin, assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Process and apparatus for dialyzing solutions. 2,411,238; Nov. 19.
Zeun, Louis H., assignor to Peter Paul, Inc., Naugatuck, Conn. Desiccating apparatus. 2,411,179; Nov. 19.
Zimbelman, George W., and J. Cherry, Signal Mountain, assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Heater. 2,411,313; Nov. 19.

LIST OF DESIGN INVENTIONS

Airplane. J. J. Dickson and R. W. Huzzard. 145,929; Nov. 19.
Arbor and bookend, Combination. R. Randolph. 145,953; Nov. 19.
Block, Plastic. J. Goldberg. 145,936; Nov. 19.
Cabinet, Merchandise display. C. T. Smith. 145,958; Nov. 19.
Cabinet or similar article, Merchandising display. G. A. Petremont, A. K. Benjamin, and E. C. Brown. 145,952; Nov. 19.
Cap, Container. P. A. Derham. 145,928; Nov. 19.
Chair. L. A. Cutrow. 145,927; Nov. 19.
Chair. C. D. Spangler. 145,959; Nov. 19.
Clock and map, Combined. A. Tellier. 145,961; Nov. 19.
Coat. H. Goldberg. 145,935; Nov. 19.
Container and support, Combined plant. A. Ames. 145,917; Nov. 19.
Desk. K. O. Larson. 145,948; Nov. 19.
Dish and grab rail, Combined soap. J. Gerity, Jr. 145,934; Nov. 19.
Dress. N. Shatz. 145,956–7; Nov. 19.
Glider. P. V. Armstrong. 145,918–20; Nov. 19.
Helicopter. A. Gazda. 145,932; Nov. 19.
Hook, Double robe. J. Gerity, Jr. 145,933; Nov. 19.
Lamp, Table. C. O. Larson. 145,946; Nov. 19.
Mixer, Food. J. B. Kessel. 145,940; Nov. 19.
Nutcracker. R. Rohm. 145,955; Nov. 19.
Plane, Wood. F. J. Zaguminy. 145,962; Nov. 19.
Plate for a fluorescent fixture, End. J. H. Steinberg. 145,960; Nov. 19.
Ring or similar article, Scapular. B. F. Carney. 145,921; Nov. 19.
Scabbard and carving implement set, Combined. E. E. Case. 145,923–4; Nov. 19.
Scabbard and carving knife or similar article, Combined. E. E. Case. 145,922; Nov. 19.
Sharpener, Pencil. G. D. Gulotta. 145,939; Nov. 19.
Shoe. P. F. Eberle. 145,930; Nov. 19.
Slipper. G. Cohn. 145,926; Nov. 19.
Slipper. M. Greenberg. 145,937; Nov. 19.
Sole, Shoe. V. M. Knisely. 145,943–4; Nov. 19.
Stand or similar article, Display. B. Matuzoff. 145,951; Nov. 19.
Stool. L. Guild. 145,938; Nov. 19.
Suit. S. Cohen. 145,925; Nov. 19.
Sundial. C. A. Fiorio. 145,931; Nov. 19.
Table. E. D. Kissling. 145,941; Nov. 19.
Table. K. O. Larson. 145,947; Nov. 19.
Table, Utility. E. D. Kissling. 145,942; Nov. 19.
Toy. H. C. Roberts. 145,954; Nov. 19.
Toy, Vehicle. R. W. Larkin. 145,945; Nov. 19.
Unit, Display fixture. P. V. Martino. 145,950; Nov. 19.
Wrench. A. F. Lewis. 145,949; Nov. 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-frame for excavating machines, Foldable. E. W. Taylor and P. Nielsen. 2,411,305; Nov. 19.
Accelerators, Resinous vulcanization. E. W. Cook and E. O. Hook. 2,411,413; Nov. 19.
Accelerometer. W. P. Welch. 2,411,401; Nov. 19.
Air brake. T. H. Affleck. 2,411,406; Nov. 19.
Airplane hangar. E. R. Capita. 2,411,316; Nov. 19.
Air speed indicator. M. Watter. 2,411,484; Nov. 19.
Alarm for vehicle tires, Low inflation. R. G. Miller. 2,411,285; Nov. 19.
Alarm, Low water. F. M. Patterson. 2,411,457; Nov. 19.
Amine resins and obtaining the same, Synthetic fusible. C. D. Kelso and C. E. Adams. 2,411,142; Nov. 19.
Amines, Stabilized aromatic. E. L. Walters. 2,411,307; Nov. 19.
Amplifier, Shaped. J. R. Boykin. 2,411,362; Nov. 19.
Antenna system. A. A. Siobod. 2,411,472; Nov. 19.
Anthraquinone dyestuffs. J. B. Dickey and J. G. McNally. 2,411,148; Nov. 19.
Apparatus for clarifying and purifying liquids. H. C. Parker and F. D. Prager. 2,411,386; Nov. 19.
Apparatus for dialyzing. F. H. Reichel and A. O. Russell. 2,411,239; Nov. 19.
Apparatus for finishing forgings. A. R. Walpole. 2,411,399; Nov. 19.
Apparatus for fumigating buildings. F. D. Hubbell. 2,411,212; Nov. 19.
Apparatus for grinding teeth. S. R. Silver. 2,411,234; Nov. 19.
Apparatus for making alkyl lead compounds. F. C. Mitchell, J. C. Lawrence, and J. L. Stecher. 2,411,453; Nov. 19.
Apparatus for making briquettes. A. J. Langhammer. 2,411,379; Nov. 19.
Apparatus for supporting and cementing liners or casings in well bores. R. C. Glover and R. O. Childers 2,411,260; Nov. 19.
Apparatus for testing and adjusting barometric fuses. E. H. Beiser, E. L. Burninger, and M. E. Schlenker. 2,411,355; Nov. 19.
Aqueous azeotrope former in azeotropic distillation of hydrocarbons, Recovery of. G. R. Lake. 2,411,437; Nov. 19.
Aromatic substituted methyl alkyl ethers as insecticides. I. Hechenbleikner. 2,411,428; Nov. 19.
Arrangement for split phase motors, Starter. M. Yuhas. 2,411,405; Nov. 19.
Artificial fibers with dyestuffs of the gallocyanine class, Producing fast dyeings on. G. de Niederhäusern. 2,411,249; Nov. 19.
Auto mirror bracket. H. Golden. 2,411,421; Nov. 1.
Automatic gas pressure relief bottle cap. O. N. Lentz. 2,411,216; Nov. 19.
Balance wheel. M. Maistre. 2,411,444; Nov. 19.
Baler. S. D. Russell. 2,411,467; Nov. 19.
Battery. F. A. Keller. 2,411,272; Nov. 19.
Bed-type chair. L. M. Leavitt. 2,411,278; Nov. 19.
Bellows accumulator, Metal. B. N. Ashton. 2,411,315; Nov. 19.
Bit. G. W. Hall, R. F. Sens, and M. A. Furth. 2,411,209; Nov. 19.
Boats, Docking flying. G. L. Martin. 2,411,382; Nov. 19.
Bobbin-identifying device for winding machines. G. S. Beckman. 2,411,242–3; Nov. 19.
Bobbin receiver for weft and replenishing looms. G. C. Beatrice. 2,411,354; Nov. 19.
Bobbin receivers, Support and release means for. G. C. Beatrice. 2,411,353; Nov. 19.
Bombs, pyrotechnic devices and the like, Aerial. J. Imber. 2,411,432; Nov. 19.
Booster brake mechanism. W. F. Penrose. 2,411,458; Nov. 19.
Bottle cap. T. J. Van Alstyne. 2,411,349; Nov. 19.
Bottle carrier. J. F. DeVillard. 2,411,195; Nov. 19.
Boxes and improved cartridge containers, Making knock-down. R. M. Bergstein. 2,411,144; Nov. 19.
Bracket: *See*—
  Auto mirror bracket.
Bracket support. R. E. McLean. 2,411,448; Nov. 19.
Brake: *See*—
  Air brake.
Brake and accelerator, Combined foot. N. I. Perry. 2,411,167; Nov. 19.
Brassière. D. Palmer. 2,411,334; Nov. 19.
Brassière and making same. H. M. Plehn. 2,411,462; Nov. 19.
Brazing, soldering, or the like process. G. H. Lee. 2,411,439; Nov. 19.
Bridge, dock gate, and the like, Movable. A. E. S. Temple. 2,411,480; Nov. 19.
Burner: *See*—
  Combustion turbine burner.
  Hydrocarbon combustion tube burner.
Burner device for furnaces. C. L. Gagnon. 2,411,324; Nov. 19.
Cabinet: *See*—
  Lens cleaning dispenser cabinet.
Cabinet. N. P. McGuire. 2,411,221; Nov. 19.
Cabinet-table, Portable. C. S. Orchard. 2,411,332; Nov. 19.
Calculator, X-ray exposure. W. A. Williams. 2,411,491; Nov. 19.
Calendar, Perpetual. L. Bernstein. 2,411,185; Nov. 19.
Calling system, Dial selective. C. W. Burcky. 2,411,191; Nov. 19.
Cap: *See*—
  Automatic gas pressure relief bottle cap.
Capsule, Hydraulic scale. B. D. Feld. 2,411,251; Nov. 19.
Car body. N. H. S. Pehrson. 2,411,226; Nov. 19.
Carrier: *See*—
  Bottle carrier.
Castings, Making metal. C. Wessel. 2,411,176; Nov. 19.
Cathodes, Coating. G. S. Evans. 2,411,250; Nov. 19.
Cellulosic textile materials, Treatment of. H. J. Hegan and E. H. Sharples. 2,411,429; Nov. 19.
Chair: *See*—
  Bed-type chair.
Cementitious composition and article, Nonslip. D. B. Johannes, Jr. 2,411,213; Nov. 19.
Charge forming device. F. C. Mock. 2,411,287; Nov. 19.
Chemical compounds. O. Wintersteiner and W. L. Ruigh. 2,411,177; Nov. 19.
Chemical compounds, Preparation of. M. Katzman. 2,411,434; Nov. 19.
Circuit: *See*—
  Control circuit. Phase shifting circuit.
  Long-ratio-control circuit.
Circuit breaker. S. H. Boden and J. M. Cummins. 2,411,360; Nov. 19.
Circuit interrupter. L. B. Chubbuck. 2,411,366; Nov. 19.
Clamping means for windshield deicer panels. J. H. Webster. 2,411,485; Nov. 19.
Cleaner: *See*—
  Suction cleaner.
Clearing apparatus, Pin. C. L. Turner. 2,411,348; Nov. 19.
Clinometer. L. M. McBride. 2,411,165; Nov. 19.
Closets, Making pressed metal water. J. Stanitz. 2,411,301; Nov. 19.
Closure for sheet-metal container openings. H. W. Dodson. 2,411,149; Nov. 19.
Clutch and pattern drum mechanism. E. St. Pierre. 2,411,303; Nov. 19.
Coat hanger adapted to be sewed into the shoulder lining of clothes. R. Senn. 2,411,233; Nov. 19.
Collapsible tube. B. Bogoslowsky. 2,411,244; Nov. 19.
Collar. M. M. and V. M. Newman. 2,411,385; Nov. 19.
Comb, Beautician's. M. L. Finman. 2,411,252; Nov. 19.
Combustion turbine burner. H. A. Altorfer. 2,411,181; Nov. 19.
Composition comprising vermiculite and a thermoplastic resin. T. P. G. Shaw. 2,411,470; Nov. 19.
Container: *See*—
  Diaper container.
Control apparatus for testing machines. R. J. Demartini and H. H. Leigh. 2,411,451; Nov. 19.
Control circuit. H. J. Bichsel. 2,411,358; Nov. 19.
Control mechanism. F. V. Hart, J. F. D. Smith, and L. S. Linderoth, Jr. 2,411,270; Nov. 19.
Control mechanism. E. Saballus and C. W. Fischer. 2,411,295; Nov. 19.
Control mechanism for hydraulically operated devices. W. S. Saville. 2,411,392; Nov. 19.
Control system. W. R. Harding. 2,411,371; Nov. 19.
Control system. A. W. Kimball. 2,411,377; Nov. 19.
Control system. G. E. King. 2,411,162; Nov. 19.
Control system. G. E. King. 2,411,378; Nov. 19.
Control system, Burner. W. A. Ray. 2,411,230; Nov. 19
Conveyer system. M. J. Anderson. 2,411,407; Nov. 19.
Corrosion inhibition in catalytic hydrocarbon conversion. A. Wachter and R. S. Treseder. 2,411,483; Nov. 19.
Coupler, Linear. E. C. Wentz. 2,411,403; Nov. 19.
Coupler, Toy train. L. H. Strayer. 2,411,394; Nov. 19.
Coupling for high-frequency oscillator, Output. J. B. Fisk. 2,411,151; Nov. 19.
Covering material, Surface. F. Washburn. 2,411,308; Nov. 19.

Crane, Traveling. V. V. Mappin. 2,411,218; Nov. 19.
Crystal, Piezoelectric. S. X. Shore. 2,411,298; Nov. 19.
Curler, Hair. A. Reiter. 2,411,336; Nov. 19.
Curtain hanger. J. Howard, Jr., and A. C. Noland. 2,411,431; Nov. 19.
Cutout. G. C. Armstrong. 2,411,352; Nov. 19.
Cutter attachment for drill cultivators, Weed. A. F. Morris. 2,411,454; Nov. 19.
Cutting device, Kerf. L. E. Simmons. 2,411,170–1; Nov. 19.
Cutter: *See*—
Loop cutter.
Cutting machine, Circle. J. L. Anderson. 2,411,182; Nov. 19.
D-rings for parachute harnesses, Retainer for. F. G. Manson. 2,411,381; Nov. 19.
Dehydrocholic acid, Isolation of. R. H. Sifferd. 2,411,169; Nov. 19.
Delivery system for internal-combustion engines, Fuel. W. A. Yonkers. 2,411,312; Nov. 19.
Desiccating apparatus. L. H. Zeun. 2,411,179; Nov. 19.
Detector, Dentist's bite. R. A. De Rome. 2,411,194; Nov. 19.
Device for indicating the unauthorized operation of registers. W. A. Kennedy and B. A. Southerland. 2,411,273; Nov. 19.
Device for manipulating account forms in rotary office machines. G. Prezioso. 2,411,335; Nov. 19.
Dializing solutions, Process and apparatus for. J. Zender. 2,411,238; Nov. 19.
Diaper container. H. C. Hodson. 2,411,430; Nov. 19.
Die, Adjustable. E. L. Ramstedt. 2,411,291; Nov. 19.
Dish drier. H. L. Card. 2,411,365; Nov. 19.
Dispenser unit, Portable. H. J. McDargh, Jr. 2,411,220; Nov. 19.
Dispensing device, Liquid. S. Kirschenbaum. 2,411,435; Nov. 19.
Door: *See*—
Solenoid locked push door.
Door actuating mechanism. V. E. Forrest. 2,411,369; Nov. 19.
Door check. M. Tykeson. 2,411,481; Nov. 19.
Drier: *See*—
Dish drier.
Dumping apparatus, Portable cart. A. E. Poulsen. 2,411,228; Nov. 19.
Duplicating device, Simplified. I. Stockman. 2,411,475; Nov. 19.
Electrical arcs, Control of. H. C. Gillespie. 2,411,325; Nov. 19.
Electron discharge device. N. H. Green and W. B. Rupp. 2,411,205; Nov. 19.
Excavator, Trench. W. M. Henderson. 2,411,210; Nov. 19.
Eyeglass hanger. A. Bongiovanni. 2,411,361; Nov. 19.
Fabric and making same, Elastic. A. L. Wagler. 2,411,175; Nov. 19.
Fabric webs, Method and apparatus for handling. P. Cook. 2,411,414; Nov. 19.
Fabrication of discharge devices. J. E. Beggs. 2,411,184; Nov. 19.
Fashion mechanism. O. Fregeolle. 2,411,255; Nov. 19.
Fastening device. J. P. Butterfield. 2,411,364; Nov. 19.
Fats and oils by addition of olive and coconut color, odor and flavor derived from olive and coconut juices and the resultant product, Improving. J. H. Forkner. 2,411,201; Nov. 19.
Feeder: *See*—
Poultry feeder.
Filaments of hydrolyzed olefin/vinyl organic ester interpolymers, Improving. H. B. Stevenson. 2,411,474; Nov. 19.
Filtering apparatus. F. B. Shepard. 2,411,341; Nov. 19.
Firing means. H. J. Rolfes and E. C. Halliday. 2,411,339; Nov. 19.
Fish, Preserving. E. M. Borg. 2,411,188; Nov. 19.
Flask, Decanter. P. Schlumbohm. 2,411,340; Nov. 19.
Float, Filled. H. A. Gardner. 2,411,202; Nov. 19.
Fluid operated motor. C. A. Mann. 2,411,282; Nov. 19.
Folder, Display. A. B. Dow. 2,411,368; Nov. 19.
Formaldehyde and sodium cyanamide, Reaction products of. J. F. Walker. 2,411,396; Nov. 19.
Forming device, Internal. K. J. Hall. 2,411,426; Nov. 19.
Frame: *See*—
Picture frame.
Sewing machine frame.
Frame for crawler tracks. S. F. Armington. 2,411,408; Nov. 19.
Frequency multiplier. R. H. Olson. 2,411,166; Nov. 19.
Frequency response compensating means. M. Brown. 2,411,190; Nov. 19.
Froth flotation with simultaneous filtration and collection of froth. A. R. Morse. 2,411,288; Nov. 19.
Furnace construction, Blast. A. J. Whitcomb. 2,411,487; Nov. 19.
Fuse, Electric. M. F. Peters and J. J. Phillips. 2,411,460; Nov. 19.
Gas analysis sample, Collecting. W. J. Fene and G. L. Freas. 2,411,157; Nov. 19.
Gas storage cylinders, Apparatus and method for filling. G. H. Smith. 2,411,235; Nov. 19.
Gases from liquids, Releasing. B. C. Boeckeler. 2,411,186; Nov. 19.
Gases, Purification of. H. J. Hall and J. C. Munday. 2,411,208; Nov. 19.
Gauge. A. Rappl. 2,411,292; Nov. 19.
Gauge sorting machine, Roller. L. Kerian. 2,411,274; Nov. 19.
Gear: *See*—
Landing gear.
Generator: *See*—
Pulse generator.
Guide, Wave. S. Roberts. 2,411,338; Nov. 19.
Hanger: *See*—
Airplane hangar.
Curtain hanger.
Eyeglass hanger.
Lady's skirt hanger.
Heat exchanger. S. Kopp. 2,411,436; Nov. 19.
Heater. G. W. Zimbelman and J. Cherry. 2,411,313; Nov. 19.
Helicopter. A. Serna. 2,411,297; Nov. 19.
Helmet, Welder's. J. O'Reilly. 2,411,224; Nov. 19.
Highway reflector sign. H. Boogher. 2,411,187; Nov. 19.
Holder: *See*—
Ticket roll holder.
Holder and carrier, Baby. N. Nettleship. 2,411,331; Nov. 19.
Holder for welding rods. C. Mankouski. 2,411,329; Nov. 19.
Hook: *See*—
Wire hook.
Hydraulic machine. W. S. Galloway and J. Anderson. 2,411,258; Nov. 19.
Hydrocarbon combustion tube burner. R. M. Sherman. 2,411,342; Nov. 19.
Hydrocarbons, Conversion of. F. E. Frey. 2,411,256; Nov. 19.
Hydrocarbons, Converting. H. O. Folkins and C. M. Thacker. 2,411,200; Nov. 19.
Hydrocarbons into organic sulphur compounds, Converting. C. M. Thacker. 2,411,236; Nov. 19.
Hydrocarbons, Separation of. K. H. Hachmuth. 2,411,264; Nov. 19.
Impactor. J. E. Stine and G. W. Borton. 2,411,302; Nov. 19.
Indicator: *See*—
Air speed indicator.
Ingredients for producing high explosives. M. Bonotto. 2,411,145; Nov. 19.
Iron: *See*—
Steam iron.
Isomerization process. R. W. Henry. 2,411,211; Nov. 19.
Jaw for fifth wheel assemblies, Safety. S. B. Winn. 2,411,404; Nov. 19.
Kit, Toilet. C. H. Dolan, II. 2,411,196; Nov. 19.
Knitting method and machine. I. W. Grothey. 2,411,422; Nov. 19.
Lady's skirt hanger. R. Robey. 2,411,466; Nov. 19.
Lamp: *See*—
Reading lamp.
Landing gear. C. S. Glasgow and C. G. Brown. 2,411,420; Nov. 19.
Lapping dies, Method and apparatus for. D. D. Symmes. 2,411,304; Nov. 19.
Latch construction. A. F. Engeljohn. 2,411,197; Nov. 19.
Lens cleaning dispenser cabinet. R. R. Wilkins. 2,411,310; Nov. 19.
Ligature for saxophone mouthpieces. M. Maccaferri. 2,411,380; Nov. 19.
Light sensitive device. C. Hillyer, Jr., and H. Blackstone. 2,411,323; Nov. 19.
Light source feed-back system. W. R. Le Page. 2,311,440; Nov. 19.
Liquid treatment. F. D. Prager. 2,411,390; Nov. 19.
Liquids and semisolids, Freezing and drying. T. R. Folsom. 2,411,152; Nov. 19.
Loader, Merchandise. J. W. Mitchell and A. Herren. 2,411,286; Nov. 19.
Lock. T. H. Johnstone. 2,411,433; Nov. 19.
Locking device, Gear shift. W. H. Mullins and W. M. Gentry. 2,411,455; Nov. 19.
Locomotive drive. F. L. Alben. 2,411,350; Nov. 19.
Locomotive drive. W. A. Brecht. 2,411,363; Nov. 19.
Long-ratio-control circuit. Z. O. St. Palley. 2,411,476; Nov. 19.
Loop cutter. J. N. Gilbreath. 2,411,259; Nov. 19.
Looping machine, Multiple needle. L. Hamrick. 2,411,268; Nov. 19.
Lubricant. W. E. Hanford. 2,411,159; Nov. 19.
Lubricating system. L. Robaczynski. 2,411,391; Nov. 19.
Machine for closing containers. M. M. Sedwick. 2,411,232; Nov. 19.
Machine for grinding the teeth of gear wheels. A. H. Orcutt. 2,411,456; Nov. 19.
Machine for making circular lathe brushes. J. Hall. 2,411,265; Nov. 19.
Machine for shredding, grating, and/or slicing foodstuffs. L. Orland. 2,411,333; Nov. 19.
Machine for the application of ceramic color, E. Hardesty. 2,411,269; Nov. 19.
Map and location finding means therefor. C. R. Southwell. 2,411,300; Nov. 19.
Marine carburetor clutch control. C. Pozgay. 2,411,463; Nov. 19.
Marine drive, Diesel electric. H. H. Curry and A. M. Dudley. 2,411,367; Nov. 19.

Match holder and windshield. A. E. Andon. 2,411,314; Nov. 19.
Measuring and delivery means, Liquid. A. J. Whitcomb and G. Fox. 2,411,309; Nov. 19.
Measuring device for photographic enlargers, Light. L. L. Weisglass. 2,411,486; Nov. 19.
Measuring system. W. Melas and J. Razek. 2,411,330; Nov. 19.
Mechanism for applying bale ties. L. B. Stants. 2,411,473; Nov. 19.
Metering appartus, Fluid. A. J. Granberg. 2,411,261; Nov. 19.
Milk tester, Visual. W. E. Miller and B. J. Porter. 2,411,384; Nov. 19.
Molding device. G. H. Frank. 2,411,254; Nov. 19.
Motor: *See*—
Fluid operated motor.
Multiposition rotary switch. A. P. Sullivan. 2,411,478; Nov. 19.
Nitriles, Refining of. J. W. Teter and W. J. Merwin. 2,411,346; Nov. 19.
Nozzle, Spearhead. W. Rundle and H. E. Bruce. 2,411,231; Nov. 19.
Observation and angle-determining instrument. F. H. Hagner. 2,411,425; Nov. 19.
Oil blend. H. C. Evans and D. W. Young. 2,411,150; Nov. 19.
Oil composition. D. W. Young and E. Lieber. 2,411,178; Nov. 19.
Oil composition and improving agent, Mineral. E. W. Fuller, H. G. Berger, and R. H. Williams. 2,411,153; Nov. 19.
Oils, Beneficiating mineral. E. C. Hughes. 2,411,160; Nov. 19.
Opener for liquid containers. H. Singer. 2,411,344; Nov. 19.
Opener, Rotary type can. R. E. McLean. 2,411,449; Nov. 19.
Oscillator and oscillator controlled relay circuit, Electric. T. A. Cohen. 2,411,247; Nov. 19.
Oscillator, Beat. I. E. Mouromtseff and G. M. Dinnick. 2,411,289; Nov. 19.
Oscillator, High-frequency triode. D. H. Sloan. 2,411,299; Nov. 19.
Package for tablets, Display and dispensing. A. G. Sherman. 2,411,471; Nov. 19.
Paint composition. H. N. Copthorne. 2,411,192; Nov. 19.
Papermaking apparatus. F. A. Dieckbrader. 2,411,416; Nov. 19.
Pattern and forming breastforms. H. N. Perl. 2,411,388; Nov. 19.
Pattern, Dressmaker's. M. W. MacNab. 2,411,328; Nov. 19.
Pelorus. W. H. Van Gaasebeek. 2,411,306; Nov. 19.
Pest control. A. L. Flenner and N. E. Searle. 2,411,253; Nov. 19.
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Picture frame. W. A. Hicks. 2,411,272; Nov. 19.
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Polyfluoro carbonyl compounds and their preparation, Saturated. W. E. Hanford. 2,411,158; Nov. 19.
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Reaction products of dihaloethers with dithiocarbamates. R. A. Mathes. 2,411,219; Nov. 19.
Reading lamp. C. I. Brown. 2,411,189; Nov. 19.
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Refrigerant vapor system. W. E. Trumpler. 2,411,347; Nov. 19.
Refrigerating apparatus. A. V. Frohnapel. 2,411,419; Nov. 19.
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Relay, Overload. G. C. Armstrong. 2,411,351; Nov. 19.
Remote control system. A. P. Jackel. 2,411,375; Nov. 19.
Remote-control system and apparatus. A. G. Cooley. 2,411,147; Nov. 19.
Resins and preparing the same, Polyamine. C. E. Adams. 2,411,141; Nov. 19.
Resistors for rubber, Age. A. F. Hardman. 2,411,427; Nov. 19.
Roaster, Peanut. J. Levine. 2,411,217; Nov. 19.
Roof, Counterbalanced expansion. P. S. Graver. 2,411,262; Nov. 19.
Round straightener. J. B. Sutton. 2,411,395; Nov. 19.
Rubber, Organopolysulfide. I. H. Kinneberg and C. L. Thomas. 2,411,275–6; Nov. 19.
Salt and pepper shaker, Combination. L. S. Williams. 2,411,489; Nov. 19.
Scraper, Self-loading. E. H. Lichtenberg and P. S. Webster. 2,411,280; Nov. 19.
Seal, Chain bearing. J. M. Halt. 2,411,207; Nov. 19.
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Sealing means for pistons subject to fluid pressure. J. H. Pratt. 2,411,229; Nov. 19.
Seat structure. G. W. Blair, J. F. Schott, and W. E. Faulk. 2,411,412; Nov. 19.
Selector and container, Key. O. Seely. 2,411,168; Nov. 19.
Series spark gap device. E. G. F. Arnott and C. E. Dawley. 2,411,241; Nov. 19.
17-acetyl-17-hydroxy- perhydrocyclopentenophenanthrenes, anils, and oximes thereof and preparing them. H. E. Stavely. 2,411,172; Nov. 19.
Sewing machine, Buttonhole. A. R. Wood. 2,411,493; Nov. 19.
Sewing machine frame. K. Perkins. 2,411,459; Nov. 19.
Sheets, Adhesive. G. T. Turner and E. P. Wenzelberger. 2,411,237; Nov. 19.
Shock absorber, Friction. E. H. Lehman. 2,411,279; Nov. 19.
Shockproof switch. J. W. McClain. 2,411,447; Nov. 19.
Shoe manufacture. I. Tarlow. 2,411,479; Nov. 19.
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Sign or the like, Highway reflector. H. G. Meigs. 2,411,222; Nov. 19.
Signaling apparatus, Sound. I. C. Clement. 2,411,146; Nov. 19.
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Slasher sizing composition and yarns sized therewith. V. R. Hardy and W. R. Haefele. 2,411,322; Nov. 19.
Slider mechanism. O. Fregeolle. 2,411,418; Nov. 19.
Slivers, Making reinforced. J. R. McMillin and S. H. Lake. 2,411,326; Nov. 19.
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Sodium cyanamide-formaldehyde condensation product, Production of. J. F. Walker. 2,411,397; Nov. 19.
Solenoid locked push door. W. Hamilton. 2,411,266; Nov. 19.
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Structure for three phase transformers, Magnetic core. C. C. Horstman. 2,411,374; Nov. 19.
Succinic anhydrides, Production of substituted. M. Kise and R. F. Engle. 2,411,215; Nov. 19.
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Sulphonamids and making the same, Valuable derivatives of. M. Dohrn and P. Diedrich. 2,411,495; Nov. 19.
Supertread for tires. K. C. Alward. 2,411,240; Nov. 19.
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Support for vibratory mechanism, Yieldable. A. R. Miller. 2,411,383; Nov. 19.
Support structure, Striking bag. J. H. Stuhr. 2,411,173; Nov. 19.
Supporting apparatus, Article. A. D. Swensen and R. D. Williams, Jr. 2,411,174; Nov. 19.
Suspenders. H. L. Jackson. 2,411,161; Nov. 19.
Switch: *See*—
Multiposition rotary switch.
Shockproof switch.
Synchronizer, Machine gun. G. W. Pontius, III. 2,411,290; Nov. 19.
System for controlling the level of liquid in containers, Electrical. T. A. Cohen. 2,411,248; Nov. 19.
System for directing the movements of air and/or marine craft. W. T. Weber. 2,411,400; Nov. 19.
Telecommunication system. P. E. A. Cowley and E. C. Walls. 2,411,415; Nov. 19.
Telegraph receiving distributor system. E. R. Leroy and G. L. Bush. 2,411,441; Nov. 19.
Telemetric system. E. S. Peterson. 2,411,389; Nov. 19.

Television receiving system. E. J. Gorn. 2,411,155; Nov. 19.
Testing apparatus, Material. C. E. Miller and R. J. Demartini. 2,411,450; Nov. 19.
Thermal power plant. R. Ruegg. 2,411,294; Nov. 19.
3,4-Dibromotetrahydrothiophene. W. I. Patterson and J. V. Karabinos. 2,411,225; Nov. 19.
Ticket roll holder. W. A. Roehner. 2,411,293; Nov. 19.
Tie rack. A. Dunn and O. C. Elland. 2,411,320; Nov. 19.
Tightener, Nut. J. H. Buechler. 2,411,245; Nov. 19.
Timer. C. W. Smith. 2,411,393; Nov. 19.
Tongs, Safety. J. R. Duarte. 2,411,319; Nov. 19.
Tools and the like, Electroplating and treating cutting edge. A. E. Lundbye. 2,411,327; Nov. 19.
Torch, Gas-arc hand. G. Richardson and J. Horlick. 2,411,465; Nov. 19.
Toy blower. W. Williams. 2,411,490; Nov. 19.
Tractor-implement combination. R. B. Laird and L. H. Gonella. 2,411,277; Nov. 19.
Transferring device, Loop. H. C. Mills. 2,411,452; Nov. 19.
Transformer with variable secondary reactance. E. Fries. 2,411,370; Nov. 19.
Tray, Freezing. R. M. Cummins. 2,411,193; Nov. 19.
Trim, Wheel. G. A. Lyon. 2,411,163; Nov. 19.
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Tube: *See*—
Collapsible tube.
Tubes from tube sheets, Removing defective. R. L. Clapper. 2,411,246; Nov. 19.
Tufting machine, Multiple needle. L. Hamrick. 2,411,267; Nov. 19.
Turbine control. A. E. Vandersee. 2,411,482; Nov. 19.
Typewriting machine. F. C. Wendt. 2,411,402; Nov. 19.
Ultra high frequency space resonant system. A. M. Gurewitsch. 2,411,424; Nov. 19.
Utensil, Cooking. O. Suttles. 2,411,345; Nov. 19.
Valve: *See*—
Quick opening rotary valve.
Valve mechanism for compressed gas circuit interrupters. B. P. Baker and H. J. Webb. 2,411,356; Nov. 19.
Vaporizer, Fuel. J. Graziano. 2,411,204; Nov. 19.
Varnishing armatures and the like. D. F. Alexander. 2,411,180; Nov. 19.
Vehicle towing device. F. E. Blair and I. Lada. 2,411,411; Nov. 19.
Vibration absorber, Torsional. A. R. Holowenko. 2,411,373; Nov. 19.
Wall construction. M. T. Straight. 2,411,477; Nov. 19.
Watch strap, Anchor. S. Mars. 2,411,446; Nov. 19.
Waxy stocks, Treating. B. F. Wingrove. 2,411,492; Nov. 19.
Well sounding apparatus. A. Wolf and L. G. Cowles. 2,411,311; Nov. 19.
Wheel: *See*—
Balance wheel.
Wheel dressing device, Precision grinding. L. Nachemov. 2,411,223; Nov. 19.
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Wire hook. I. Del Bagno. 2,411,318; Nov. 19.
Wire, Nondeteriorating rubber insulated. D. J. Miller. 2,411,284; Nov. 19.
Yeast to enhance vitamin potency thereof, Treatment of. B. Maizel. 2,411,445; Nov. 19.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 19, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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D48—20: Des. 145,946
23: Des. 145,960
D54—16: Des. 145,949
D58—26: Des. 145,928
D71— 1: Des. 145,929
Des. 145,932
D74— 1: Des. 145,939
D80— 9: Des. 145,950
Des. 145,951
11: Des. 145,952
Des. 145,958
D87— 3: Des. 145,936
D93— 4: Des. 145,962

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November 26, 1946

Trade-Marks	204	No. 425,485 to No. 425,688, inclusive.
T. M. Renewals	134	
Patents	345	No. 2,411,497 to No. 2,411,841, inclusive.
Designs	32	No. 145,963 to No. 145,994, inclusive.
Total	715	

Disclaimers

1,808,893.—*Leon C. Heckert,* Bristol, Pa. INSECTICIDE. Patent dated June 9, 1931. Disclaimer filed Oct. 26, 1946, by the assignee, *Röhm & Haas Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 7 of said patent.

2,358,337.—*Elmer J. Lawson,* Newtonville, N. Y., and *Hervey C. Parke* and *Leon A. Sweet,* Detroit, Mich. VITAMIN INTERMEDIATES AND THEIR PREPARATION. Patent dated Sept. 19, 1944. Disclaimer filed Oct. 16, 1946, by the assignee, *Parke, Davis & Company.*

Hereby enters this disclaimer to claims 4 and 7.

2,401,516.—*Walter Schweiter,* Horgen, Switzerland. WINDING MACHINE. Patent dated June 4, 1946. Disclaimer filed Oct. 29, 1946, by the inventor.

Hereby enters this disclaimer to claims 2, 4, 8, 9 and 13 in said specification.

Adjudicated Patent

(C. C. A. Mass.) Amory patent, No. 2,208,533, for a household blanket, claims 7 and 16 *Held* valid and infringed, claims 10 and 19 *Held* invalid. *Lincoln Stores* v. *Nashua Mfg. Co.,* 157 F.(2d) 154; 70 USPQ 254.

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

E. Guthrie Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Adella Dress Company, 1238 Callowhill St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of E. Guthrie Co., Paducah, Ky., No. 193,110, dated December 16, 1924, and the notice of such proceeding sent by registered mail to the said E. Guthrie Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said E. Guthrie Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

William F. MacConnell, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by McNeil Laboratories, Incorporated, 2900 N. Seventeenth St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of William F. MacConnell, 602 Provident Bank Bldg., Cincinnati, Ohio, No. 267,009, dated February 11, 1930, and the notice of such proceeding sent by registered mail to the said MacConnell at the said address having been returned by the post office undeliverable, notice is hereby given that unless said MacConnell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

Frankly Frocks, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Frankly Fabrics Corp., 1441 Broadway, New York, N. Y., to effect the cancellation of trade-mark registration of Frankly Frocks, Inc., 1333 Broadway, New York, N. Y., No. 349,987, dated September 14, 1937, and the notice of such proceeding sent by registered mail to the said Frankly Frocks, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Frankly Frocks, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in th OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business November 1, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 128,728; Trade-Mark Division, 11,097. Oldest new case, April 5, 1945; oldest amended, April 27, 1945.)
(The dates given are 1945 except where † indicates 1946.)

	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
		New	Amended	
1.	GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	June 4	July 18	2517
2.	HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 23	July 20	3016
3.	SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 4	July 3	2024
4.	BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Aug. 30	Aug. 24	2360
5.	ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3545
6.	GENIESSE, E. W., Carbon Chemistry (part)	Nov. 5	Nov. 24	1754
7.	HANLIN, GEORGE, Optics, Photography	June 30	Dec. 12	1887
8.	IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Aug. 10	Aug. 20	3144
9.	BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	June 1	May 11	2131
10.	ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Aug. 13	Aug. 24	1467
11.	BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 11	†Mar. 9	721
12.	SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 13	July 16	2627
13.	BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	June 28	2059
14.	FREEHOF, H. B. Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 13	Sept. 24	1454
15.	HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Nov. 25	Sept. 12	1163
16.	LOVEWELL, N. N., Telegraphy; Telephony	Sept. 27	Sept. 19	1210
17.	HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 11	May 21	1129
18.	KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 25	1843
19.	PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Nov. 14	Oct. 26	1666
20.	BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 30	July 24	1897
21.	THOMPSON, T. J., Textiles	†Feb. 6	Feb. 7	750
22.	CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 18	1927
23.	LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 19	Aug. 23	227
24.	LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 6	†Feb. 15	1080
25.	BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 6	Sept. 12	1422
26.	YOUNG, R. R., Electricity—Generation and Motive Power	Apr. 24	July 23	1864
27.	CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	July 2	June 22	1981
28.	SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	June 6	May 30	1482
29.	SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	July 23	July 24	2174
30.	BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Aug. 8	Aug. 1	2255
31.	DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Apr. 4	Apr. 13	879
32.	LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	May 4	Sept. 29	2146
33.	KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 18	Aug. 4	2907
34.	SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 31	Sept. 12	1254
35.	BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 4	Oct. 15	1969
36.	McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1620
37.	WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 8	Sept. 18	1299
38.	KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Sept. 28	Oct. 10	1272
39.	WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	June 6	June 4	2373
40.	DRUMMOND, E. J., Receptacles (part); Packages	Oct. 26	Oct. 3	2441
41.	HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Sept. 27	Sept. 4	800
42.	MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 23	Nov. 8	975
43.	STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Aug. 22	July 16	1178
44.	HARVEY, L. P., Refrigeration; Preserving	May 12	June 21	1195
45.	LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 17	July 27	2462
46.	MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 21	Sept. 15	1486
47.	KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 19	Oct. 1	2685
48.	BERNSTEIN, S., Electricity, General Applications; Electric Igniters	Apr. 27	Apr. 27	1899
49.	SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 23	Aug. 24	1541
50.	LEVIN, SAMUEL, Synthetic Resins	Nov. 3	Nov. 3	2189
51.	FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	July 9	July 13	2202
52.	KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	July 3	July 27	3038
53.	BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 24	3366
54.	STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 9	July 14	2047
55.	BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Sept. 5	1650
56.	COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 29	Sept. 8	1384
57.	NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Apr. 5	May 28	2818
58.	DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 29	†Jan. 21	1309
59.	SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 11	June 13	2025
60.	GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Oct. 9	1763
61.	YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	July 10	June 29	2480
62.	PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 16	Apr. 27	3549
63.	WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 1	July 24	1922
64.	NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Mar. 30	†Apr. 1	943
65.	McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 13	July 20	2265
	TOTAL	†Jan. 7	†June 6	11,097
	TRADE-MARKS: RICHMOND, F. A.	Dec. 20	†Aug. 12	6621
	DESIGNS: KALUPY, H. H			

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MASON ET AL.

No. 5,187. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 221]

1. PATENTABILITY—INVENTION—FOOD PRODUCT.

"Surely it does not amount to invention to add a well-known ingredient whose characteristics are well understood to a cooking recipe or formula for preparing a food product merely because it is not disclosed that no one else ever did that particular thing."

2. SAME—SAME—SAME.

"If the particular article which appellants add in making their cream substitute, which is not shown to have been used by others in that exact relationship, by coaction with the other elements produced a new, unexpected and useful function, invention might rest in so doing."

3. SAME—SAME—SAME.

"It is one of the oldest expedients in the cooking art and in the art of preparing food products to separately mix different ingredients and then put them together. Often it is done for the purpose of better dissolving the ingredients and getting them more thoroughly mixed. Every cook and housewife daily adopts this expedient and we are of the opinion that doing so does not lend patentability to the appealed claims."

4. SAME—PRODUCTION OF A CREAM SUBSTITUTE.

Claims to the process of producing a cream substitute *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Emory L. Groff (*Mr. Edwin C. Axe* of counsel) for Mason et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

Appellant's application involved in the instant appeal from the decision of the Board of Appeals of the United States Patent Office has to do with a cream substitute and the method of producing it. While the claims would seem to be self-explanatory, the Examiner has described the alleged invention as follows:

> The claimed process involves preparing a cream substitute which will not sour or putrefy like natural cream or like artificial creams made from cream constituents and from eggs, egg albumin or egg yolks. Applicant prepares first a suspension of an emulsifying agent consisting of a chloride namely, common salt, a salt of a tribasic acid such as trisodium ortho phosphate or sodium citrate, and an edible vegetable gum such as sodium alginate; secondly, an aqueous suspension of an alkyl cellulose derivative, such as methyl cellulose; thirdly, a fat blend of a hardened oil of the leguminosae group, such as hardened arachis oil (hydrogenated peanut oil), butter fat and a hardened oil of the palmae group, such as coconut oil; then the first and second aqueous suspensions are mixed together with glycerine to form an aqueous gum base and the fat blend (third) is injected under pressure into the aqueous gum base to form an emulsion, the emulsion is homogenized first at a high pressure and then at a low pressure and the product is aged for 72 hours at low temperatures.

The references relied upon are: Block, 987,849, March 28, 1911; Beckman et al., 1,190,369, July 11, 1916; Beckman et al., 1,216,052, February 13, 1917; Dunham, 1,302,486, April 29, 1919; North, 1,509,083, September 16, 1924; Bergsvik et al., 1,941,243, December 26, 1933; Hellerud, 1,941,261, December 26, 1933; Green et al., 2,097,224, October 26, 1937; Industrial and Engineering Chemistry, Sept. 1937, page 985.

Claim 14 is illustrative and reads:

> 14. A process for the manufacture of a cream substitute, comprising, the steps of preparing a first aqueous suspension of an emulsifying agent consisting of a harmless chloride, a harmless salt of a tribasic acid, and an edible vegetable gum, preparing a second aqueous suspension of an emulsifying agent consisting of an alkyl cellulose or derivative thereof, preparing a basic fat blend by mixing a hardened oil of the leguminosae group, processed butter fat and a hardened oil of the palmae group, preparing an aqueous gum base by mixing the said two suspensions with glycerine and emulsifying said basic fat blend in said aqueous gum base by injecting under pressure said basic fat blend into said aqueous gum base.

All of the claims, numbered 14 to 18, inclusive, were rejected by the Primary Examiner as being unpatentable over the state of the art, and such rejection was approved by the Board. There were several other grounds of rejection against the claims which are of no concern here. On the ground that the claims were not inventive over the cited prior art, the Examiner stated:

> Claims 14 to 18 have been rejected as lacking invention over the art cited. The various materials used by applicant are shown to be old in a like relation in the art.
>
> The composition and the method of making it are obvious in view of the art. *In re White*, 397 O. G. 5:
>
> "Appellant's product is evidently the result of using a particular fromula or recipe whereby well known ingredients are mixed or blended. His plan differs from other formulas or recipes, but we think this cannot be held to be patentable invention. It is a matter of common knowledge that new recipes for cooking and for the production of food products are constantly being developed by adding or eliminating well known ingredients or treating them in ways differing from former practice. To hold all of these patentable would unsettle the arts of cooking and of preparing food products. It surely was not contemplated that they should come within the purview of the patent laws, unless more appears than we can find in the present case." *In re White*, 397, O. G. 5. [17 C. C. P. A. (Patents) 956, 39 F.(2d) 974, 5 USPQ 267.]
>
> Green shows alginates as old in stabilizing chocolate milk drinks containing butter fat. Page 1, line 35, shows that sodium alginates contain trisodium phosphate a salt of a tribasic acid, conventionally. Vegetable gums are disclosed, namely, locust bean gum and Karaya gum.
>
> Bergsvik makes a substitute cream by the use of arachis (earth nut or peanut) oil which has been hardened, and uses high pressure homogenization to produce a permanent emulsion.
>
> North makes a substitute cream by the use of vegetable gums as stabilizers, butter fat, agar, egg white and water and produces an emulsion by known mechanical means. Agar when treated with sodium carbonate, etc., produces sodium alginate.
>
> Beckman 1,216,052 makes a substitute cream using beef and butter fats, vegetable gums and mosses, arachidic glycerides, which commercially would be represented by peanut oil, since the glycerides of the various acids mentioned therein correspond generally to peanut oil. It will be noted that the fat solution with lecithin stabilizer is poured slowly into the emulsifier containing the aqueous suspension, which is the conventional process step of emulsifying fats in water solutions or suspensions.
>
> Beckman 1,190,369 is similarly pertinent.
>
> Dunham makes a substitute cream using nut oil (arachis oil) hardened or hydrogenated, as an example of a number of edible oils which may be used, common salt, citrates, phosphates emulsified into an aqueous medium and homogenized. Casein, egg powder and milk solids may be used depending on the fat content of the product desired.
>
> Industrial & Eng. Chemistry, September, 1937, page 985, teaches the use of methyl cellulose as an emulsifying and thickening agent in food products and points out that it is not susceptible to bacterial deterioration.
>
> Block makes a substitute milk from oil of benne (sesame oil), water, sugar, albumen, sodium phosphate, calcium phosphate and vegetable gum tragacanth and combines this material with skimmed milk.

Hellerud makes a substitute cream from skim milk, hardened arachis oil, egg yolk water soluble proteins as a stabilizer, then pasteurized at 60° C. and the fat is injected at 100 to 250 atmospheres through 0.3 mm. nozzles, the temperature raised to 85° C., cooled somewhat and then passed through a high and then a low pressure homogenizer, cooled to 2° C. and matured for 24 hours. The last treatment may be repeated once or twice more.

It will be observed from the above quotation that each of the references and their applicability to the appealed claims have been explained and discussed and it will not be necessary for us to go further into that question.

The Board in its decision stated in part:

Each of the appealed claims has been rejected as unpatentable over the state of the art. This is on the ground that the various ingredients set forth in the claims are all shown to be quite commonly used for making this type of product and no specific new cooperative relation is apparent as between them. The Examiner has set forth at length a discussion of the several references showing that the mixtures of ingredients other than the alkyl cellulose appears to be so well known as to be conventional. The eight patents of record, relating to methods for making cream and milk substitutes on the principle of emulsifying vegetable and animal fats by assistance of emulsifying agent of a colloidal and mucilaginous nature, show it to be well known. On the other hand the employment of methyl cellulose as an assisting emulsifying agent for making the similar food product, salad dressings, is likewise shown to be known in the Industrial and Chemical Engineering citations.

After careful consideration of the record it is our view that no such new or outstanding result is produced by employment of methyl cellulose in connection with the specific mixture of ingredients used by applicants as to constitute invention.

In this court appellants urge that no one of the cited references shows the use of an "alkyl cellulose in any way in preparing a cream substitute." It will be observed, however, that both tribunals below pointed out that Industrial and Chemical Engineering shows "the employment of methyl cellulose as an assisting emulsifying agent for making the similar food product, salad dressings." The Board was of the opinion that appellants had brought about no such outstanding results by their use of methyl cellulose as to constitute invention.

[1][2] The Examiner quoted a pertinent holding from *In re White*, supra, which the Board approved. So do we. Surely it does not amount to invention to add a well-known ingredient whose characteristics are well understood to a cooking recipe or formula for preparing a food product merely because it is not disclosed that no one else ever did that particular thing. One should not have a patent on a process for preparing a cake merely because he used one ingredient of common use in cooking which no one else had used in making a cake. If the particular article which appellants add in making their cream substitute, which is not shown to have been used by others in that exact relationship, by coaction with the other elements produced a new, unexpected and useful function, invention might rest in so doing. There is no showing of that character in the instant record and we are in agreement with the Board that what appellant has done does not rise to the dignity of invention.

We quote from appellants' brief:

Appellants do not agree that "no specific new cooperative relation is apparent as between them" (i. e. the ingredients), and in particular desire to point out that after long and careful research they have found that the particular emulsifying agents employed are uniquely adapted to attain the result here in view, and that unless these two emulsifying agents are separately prepared and subsequently mixed, as recited in the claims, the desired qualities obtained by appellants' product are not realized, and further that appellants have found and disclosed the optimum aqueous gum base into which the particular basic fat blend recited should be injected to secure the desired results.

We note that coaction is claimed; the record does not disclose any and we have no reason to believe that the tribunals of the Patent Office were wrong in this phase of their holdings.

[3] As to the argument that "unless these two emulsifying agents are separately prepared and subsequently mixed * * * the desired qualities * * * are not realized," and that this brings about new and unexpected results, we think it is without merit. It is one of the oldest expedients in the cooking art and in the art of preparing food products to separately mix different ingredients and then put them together. Often it is done for the purpose of better dissolving the ingredients and getting them more thoroughly mixed. Every cook and housewife daily adopts this expedient and we are of the opinion that doing so does not lend patentability to the appealed claims.

[4] The decision of the Board is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

U. S. Court of Customs and Patent Appeals

IN RE WHARTON

No. 5,190. Decided June 11, 1946

[— F.(2d) —; 70 USPQ 228]

1. CLAIMS—FUNCTIONAL LIMITATIONS.
   "Since the claims are for structure only, if the elements of the structure defined by the claims do not involve invention over structures of the prior art, the functions attributed to the parts of the structure of the application are immaterial."
2. SAME—STRUCTURAL RECITATIONS.
   In a claim to polishing apparatus, the recitation that one side of the polishing element is unobstructed *Held* not a sufficiently definite recitation of the actual structure as to impart patentability to a claim otherwise met by the prior art.
3. PATENTABILITY—POLISHING APPARATUS.
   Certain claims to polishing apparatus for the shanks of complete shovels *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Lawrence G. Miller (*Messrs. Emery, Booth, Townsend, Miller & Weidner* of counsel) for Wharton.

Mr. W. W. Cochran for the Commissioner of Patents.

O'CONNELL, J.

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting eight claims in appellant's application for a patent for "certain new and useful improvements in a Machine for Finishing the Handles of Shovels."

The references are—Kennan, 286,707, October 16, 1883; Delbauve et al., 1,193,673, August 8, 1916.

The Examiner allowed claims 1, 3, 8, and 17 but rejected claims 2, 4, 5, 6, 7, 11, 12, 14, 15, and 16 as unpatentable over the patent to Kennan. Claims 4, 5, 7, 11, and 12 were further rejected by the Examiner as unpatentable over Delbauve et al. The Board of Appeals reversed the action of the Examiner as to the rejection of claims 6 and 16 and allowed those two claims, but otherwise affirmed the Examiner's decision without discussing the cited patent to Delbauve et al.

Claim 4 is illustrative, the italicized portions of which are relied upon by appellant to distinguish his construction from the construction of the prior art. The claim, as noted, reads—

4. A polishing apparatus for the shanks of complete shovels comprising a polishing element, a holder at one side thereof having provision for *grasping* a shovel *at one end of the shank* to *retain* and *carry* the shovel, the shank of the shovel extending across the element with the blades beyond the same at the other side thereof, the other side of the polishing element being *unobstructed* to permit the blade of the shovel to move at that side of the polishing element, means for traversing the holder along said side of the polishing element, and means to rotate the holder.

Omitting reference citations to the record, the Examiner describes the invention as—

* * * a machine for finishing the handle of shovels using a sanding belt tool. The machine has two sanding belts * * *. The workholder comprises a chain conveyor. The upper run of the conveyor moves through a guide housing. Suitable holders on the chain hold the grips of the shovel. The holders are pivoted * * * to blocks on the chain. The chuck for the handle of the shovel comprises a box-like member which has a sliding cover. The chuck is supported on a shaft which has a sprocket wheel which engages a fixed length of sprocket chain. The guide housing has elevated portions * * * to prevent the work from dropping between the belts and on the opposite side of the belt there are narrow supporting boards with cam-like rise portions to underride the shovels at the points between the belts.

The patent to Kennan relates to a machine for polishing and finishing wooden spokes of wagon and carriage wheels or other articles. The specification states—

* * * mechanism is employed which automatically grasps the spokes and presents them for the polishing action of sanding-belts, and which, while so presented to the belts, causes the spokes to revolve with a uniform motion coactively with a reciprocating motion in a direction parallel with the spokes of one or more of said sanding-belts * * *.

More specifically and so far as pertinent to the issue here, the apparatus described in the specification of Kennan comprises elements consisting of sand belts upon over-hung pulleys for polishing the spokes. An endless chain, composed of castings and links, is carried upon and moved by sprocket-wheels. The castings contain, respectively, mechanism for the retention therein of the round and flat ends of the spokes.

The castings of the chain contain a shaft journaled therein, the shaft being extended and forming a socket. The holding means which "automatically grasps" the spokes and presents them for the polishing action of sanding-belts is described in detail by Kennan—

* * * Upon the inside of one of the jaws of the socket is a sharp spur, located in a direction parallel with the direction of the shaft, which enters the wood of the spoke and assists in retaining it within said socket while it is subjected to the action of the sanding-belts. * * *

In the casing c of the chain is journaled a dead-spindle, pointed upon its inner extremity for engagement with and the retention thereon of the round end of the spoke, permitting it to revolve freely thereon. * * *

* * * * * * * * *

H H¹ H² H³ are guides, between which the chains carrying the spokes are guided as they bring them in contact with the sanding-belts. The guides are curved for the purpose of bringing the spokes in contact with the yielding surface of said belts, and also for raising them clear of the pulleys upon which said belts are carried.

The appellant submits two points in support of his position here—

1st. The references cited by the Patent Office fail to show any device designed for or capable of handling a device of the peculiar shape of a shovel.

2nd. It is an entirely new idea to grip the shovel at a substantially single point so as to rotate it about the axis of the straight cylindrical shank with the shank in contact with a polishing device yet with the offset blade is out of the way and free to take such eccentric path as it will without impediment to the polishing operation.

The fact that the references cited by the Patent Office fail to disclose a polishing apparatus for the handles or shanks of complete shovels is not a controlling issue here. If, to any person skilled in the art, the art of record suggests doing the thing that appellant has done, no invention is involved in forming the apparatus to which appellant's claims are drawn. *In re Stover*, 32 C. C. P. A. (Patents) 823, 826, 146 F.(2d) 299, 64 USPQ 186, 573 O. G. 367; *In re Merkle*, 32 C. C. P. A. (Patents) 1151, 150 F.(2d) 445, 66 USPQ 165, 581 O. G. 349.

It is noted that Kennan defines means for polishing an article generally similar to those defined by appellant for the same purpose. Claims have been allowed by the tribunals of the Patent Office which in their opinion embrace all the features of appellant's disclosure that are patentably distinguishable over the patent to Kennan. What appellant seeks to obtain here is the allowance of claims which are broader than the allowed claims.

The Solicitor for the Patent Office calls attention to the fact that claims reciting the grasping means have been allowed and, further, that the term "grasp" is not sufficiently definite to distinguish from the action of the jaws and the spur of the socket of Kennan in retaining the spoke in the socket, and, finally, that the term is not one of structure but of function.

As to the remaining feature relied upon by appellant, the "unobstructed" space at one side of the polishing belt, the Solicitor correctly argues that neither side of the polishing belt in Kennan may be said to be obstructed. The Solicitor also draws the attention of the court to the holding of the Examiner that provision for the movement of an enlarged blade on the workpiece of Kennan could obviously be made and that the mere expedient of arranging a machine so as to prevent interference with a workpiece is too obvious to involve invention.

It may be true that a device for handling a shovel during a polishing operation may differ from a device for polishing wooden wheel spokes, as appellant contends, but it is also true, as pointed out by the Solicitor, that "The shovel is of course no part of the claimed machine and the fact that the machine has a grasping means particularly designed to grasp shovel handles of a certain form, does not

impart patentability to a claim which does not recite the particular grasping structure." Therefore we are not convinced by the argument of appellant that the difference between the effect of the operation of his machine and that of the reference patents is important.

[1] It may be noted also that the term here involved is one of function and not of structure. Since the claims are for structure only, if the elements of the structure defined by the claims do not involve invention over structures of the prior art, the functions attributed to the parts of the structure of the application are immaterial.

[2] There is no doubt that a machine for polishing shovel shafts designed in order that there will be no obstruction in the path of the shovel blades is desirable and useful. However, as correctly stated by the Solicitor, the "recitation in the claims that a space is unobstructed is merely a statement of something to be avoided or, as the Board said, it is a negative limitation. It is not a sufficiently definite recitation of the actual structure as to impart patentability to a claim otherwise met by the art."

[3] In view of the cited prior art, it is our opinion that the construction of the apparatus defined in the rejected claims would be obvious to any person skilled in the art, and that no patentable conception is involved in doing what appellant has done. Accordingly, we deem it unnecessary to discuss and pass upon other points raised by appellant.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

GARRETT, *P. J.*, sat during the arguments of this case, but because of illness took no part in its consideration or in the decision.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

Studio Hosiery Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Jacobs, Grossman and Rosenberg, Inc., Erie Ave. and "K" St., Philadelphia, Pa., for registration of a trade-mark and trade-mark registered September 4, 1928, No. 246,331, to Studio Hosiery Company, 1312 Washington Ave., St. Louis, Mo., and the notice of such declaration sent by registered mail to said Studio Hosiery Company at the said address of record having been returned by the post office as undeliverable, notice is hereby given that unless said Studio Hosiery Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,368,755. AIRCRAFT POWER PLANT. Patented Feb. 6, 1945. This patent shows a compact steam power plant for silently propelling aircraft. It may be positioned directly back of the propeller in the nose of a plane. An open-ended steel casing housing the plant has its front end closed by a condenser of the radiator type, exposed to the atmosphere, and its rear end closed by a water reservoir. The turbine has an inlet pipe connected to the outlet from the boiler, which outlet is in the form of a throttle valve to provide direct communication between the boiler and turbine. The turbine is connected to a propeller shaft. A pump, which may be operated by a small turbine, circulates exhaust steam from the turbine into the condenser and returns condensate to the reservoir. Operation is remotely controlled. (Owner) Albert J. Falardeau, P. O. Box 21, Marbledale, Conn. Group 87. Reg. No. 4,270.

Pat. 2,405,506. CIGARETTE LIGHT CONCEALER. Patented Aug. 6, 1946. This patent pertains to a glow-concealing attachment for a cigar or cigarette which does not reveal the presence of the smoker (i. e. watchman, policeman) from a distance. The device consists of a tubular body, a portion of which fits over the cigar (or cigarette), and a glow-concealing and ash-receiving compartment having several air openings which allow normal burning of the cigar. A pivoted "door" in the ash-receiving portion permits the removal of ashes. The attachment may also be used as a protection from the wind. (Owner) Mumzelle LaMarza Green-ee, 1907 Maury St., Houston 10, Tex. Group 82—29. Reg. No. 4,271.

Pat. 2,317,251. SHIP CONTROL. Patented Apr. 20, 1943. This invention relates to a means for effecting and controlling the movements of large vessels within reasonably confined areas. Jets of compressed air or fluid are directed below the waterline on either side of the vessel to provide the necessary force to move the vessel. An adjustable deflector is movable into the path of the lateral jets to direct the air toward either end of the hull. (Co-owner) Henry W. Brolus, 1203 Drexel Ave., Detroit 15, Mich. Group 37—31. Reg. No. 4,272.

Pat. 2,397,237. BRAKE FOR RAIL-BORNE VEHICLES. Patented Mar. 26, 1946. This braking mechanism is provided with pairs of jaws which firmly grip the rail or track to effect stoppage. The jaws are normally held above the level of the track by a sliding collar having toggle linkage and spring, and a shaft which is rotated to force the jaws into gripping position. Since any number of pairs may be applied at one time, regardless of the number of wheels on the rail-borne vehicle, it is evident that there is no limit to the braking power obtainable despite the condition of the track. (Owner) Henry W. Brolus, 1203 Drexel Ave., Detroit 15, Mich. Group 36—41. Reg. No. 4,273.

Pat. 2,324,913. CLUTCH PLATE. Patented July 20, 1943. A cushion type clutch plate of light peripheral weight for use in the clutches of automobiles and other machinery. The plate is characterized by an intermediate sheet metal disk of smaller diameter than the annular friction facings and by a plurality of structurally independent cushioning springs which are individually attached to the outer edge of the disk and have portions which project outwardly therefrom in annular array into the space between the facings, which outwardly projecting portions are axially distorted by bowing and are attached to the facings. (Owner) George I. Goodwin. Address correspondence to Raymond L. Greist, 88 S. Dearborn St., Chicago 3, Ill. Group 38—31. Reg. No. 4,274.

Pat. 2,302,872. STOP REQUEST SYSTEM FOR PUBLIC CONVEYANCES. Patented Nov. 24, 1942. This patent relates to a silent system for buses or similar public conveyances in which a pair of stop signs positioned near the driver replace the usual buzzer to inform the driver that a passenger desires to leave the bus. The signs are illuminated when the usual pull cord is operated. To assure the passenger that his signal has been received, another sign is placed in a position where it is visible to all. All signs remain in operation until at least one door is opened to permit passenger to alight. (Owner) Wiley A. Landrum, 516 Elizabeth Ave., Hattiesburg, Miss. Groups 38—31; 39—93. Reg. No. 4,275.

Pat. 2,066,965. VERNIER MOTOR. Patented Jan. 5, 1937. Groups 34—61; 36—19. Reg. No. 4,276.

Pat. 2,151,317. CLOCK SYSTEM. Patented Mar. 21, 1939. Groups 34—61; 36—19. Reg. No. 4,277.

Pat. 2,185,334. CLOCK SETTING MEANS. Patented Jan. 2, 1940. Groups 34—61; 36—19. Reg. No. 4,278.

Pat. 2,248,164. MEANS FOR TRANSMITTING TIME SIGNALS. Patented July 8, 1941. Groups 34—61; 36—19. Reg. No. 4,279.

Pat. 2,248,165. SUSTAINED POWER ELECTRIC CLOCK. Patented July 8, 1941. Groups 34—61; 36—19. Reg. No. 4,280.

Pat. 2,331,267. TIME INDICATING SYSTEM. Patented Oct. 5, 1943. Groups 34—61; 36—19. Reg. No. 4,281.

The six patents listed above relate to electric clocks and electric clock systems which not only reveal the correct time when electrically controlled, but continue to perform that function with substantial accuracy even during current cessation. The patents also feature a synchronous motor, a system to correct a synchronous motor master or secondary electric clock either periodically or after each current cessation, and in some cases by superimposing special current on the usual alternating current. Another feature resides in the correction of a conventional clock through the medium of a synchronous motor. (Non-exclusive licenses have been granted on this entire series of patents to the General Time Instruments Corporation and also to the International Business Machines Corporation.) (Owners) Oscar H. Dicke and Robert H. Dicke. Address correspondence to Oscar H. Dicke, 211 S. Washington St., New Bremen, Ohio.

Pat. 2,399,638. ANTISLIPPING DEVICE. Patented May 7, 1946. This antislipping footwear attachment consists of a pair of plates which together conform to the general contour of the shoe. The device is hinged at that portion where the foot flexes during walking. Other plates, with toothed formations, are riveted at the heel and front portion of the main plates to provide traction against slippery surfaces. The device is strapped to each shoe. (Owner) Joseph Kalnitz, 1311 Hertel Ave., Buffalo, N. Y. Groups 31—99; 33—73. Reg. No. 4,282.

Pat. 2,397,079. TELEPHONE SYSTEM. Patented Mar. 26, 1946. This invention relates to a telephone system giving metered service which may be adapted to a manually or automatically operated exchange. The system comprises a slow-acting relay (preferably less than ten cycles per second to avoid operation by "ringing" frequencies) provided with a circuit maker or breaker controlled by an adjustable cam and a thermostatically operated contact arm. The message control relay is actuated upon response of a "called" subscriber so that the surcharge per message occurs only when the calls are completed. (Owner) Garrison Babcock, 1429 West 54th St., Seattle 7, Wash. Group 36—13—62. Reg. No. 4,283.

Pat. 2,383,879. ABRASIVE PAPER ROLLS. Patented Aug. 28,1945. This patent covers absorbent paper in roll form, one side of which has a thin layer of wax serving to hold an abrasive in powder form. The abrasive side of the paper is adapted to be rubbed on cooking utensils, or the like, with greasy surfaces; and the abrasive-free absorbent surface being adapted to clean up the dirt dislodged by the abrasive side. A convenient method of cleaning pots and pans. (Owner) Alex Friedman, 10 E. 40th St., New York, N. Y. Groups 26—99; 28—93; 40. Reg. No. 4,284.

Pat. 2,390,874. SOAP SAVER TRAY. Patented Dec. 11, 1945. This tray is stamped from sheet metal and bent a distance from the end to form arms and a base. A slot bisects the base and a substantial portion of the arms so that the tray can be slipped over the pail handle. The slot acts as a drain and allows the tray to swing freely when tilted, etc. A flange is provided on either side of the tray so that it may be held to the side of the pail and assume an out-of-the-way position not interfering with use of the pail and protecting soap from dissolving effect of the water. It may also be made of plastic or any composition material. Modifications shown. (Owner) Robert A. Endebrock, 3572 Epworth Ave., Cincinnati 11, Ohio. Groups 33—73; 39—81. Reg. No. 4,285.

Pat. 2,141,514. APPARATUS DESIGNED FOR THE SUCCESSIVE EXHIBITION OF DIORAMAS. Patented Dec. 27, 1938. The diorama featured in this patent consists of a dimensional display having a front frame and back plate connected by bellows-like sides which enable the diorama to be unfolded for exhibition or compacted for storage. The casing of the apparatus includes separate chambers for exhibition and storage of a number of dioramas. By the provision of a chain conveyor mechanism the dioramas may be automatically and continuously unfolded and displayed or folded and returned to the storage magazine. The apparatus easily adapts itself as an advertising medium or it may be used for educational as well as many other purposes. (Owners) Jacques Carre and Philippe Carre. Address correspondence to Albert Allen, 34 Crawford St., Boston 19, Mass. Group 39—93. Reg. No. 4,286.

The following patents are offered by Allin B. Crouch, Trustee, 1412 Clifton Park Road, Schenectady, N. Y., for non-exclusive licensing on a royalty basis:

Pat 1,964,890. CONDENSER. Patented July 3, 1934. This patent covers a water-cooled condenser which is easily dismantled and cleaned. A straight section of condenser tube surrounded by a continuous, spiral fin of thin sheet metal is placed in a casing, such as an ordinary length of pipe. This casing is provided with a water inlet and outlet. This arrangement causes the water circulating through the spiral passage to be given a whirling motion, and also causes circulation of the water and refrigerant to be greatly accelerated. Group 35—84. Reg. No. 4,287.

Pat. 2,008,809. COMPRESSOR. Patented July 23, 1935. Group 35—84. Reg. No. 4,288.

Pat. 2,047,167. ADJUSTABLE CLEARANCE MECHANISM. Patented July 7, 1936. Group 35—84. Reg. No. 4,289.

The two patents listed above show a manually adjustable mechanism for varying the clearance between a piston and cylinder head of a compressor. Such adjustment may be made while the compressor is operating. It also includes a safety feature which will yield under abnormal cylinder pressure. The cylinder head of the compressor may be removed and replaced by this mechanism.

Pat. 2,015,487. REVERSIBLE EXPANSION MEANS FOR INTERCHANGEABLE CONDENSER AND EVAPORATOR FUNCTIONS. Patented Sept. 24, 1935. Group 35—84. Reg. No. 4,290.

Pat. 2,131,355. REFRIGERATING SYSTEM FOR COOLING OR HEATING. Patented Sept. 27, 1938. Group 35—84. Reg. No. 4,291.

Each of the two patents listed above shows a pair of float-controlled expansion valves or traps for controlling the flow of refrigerant in either direction. Regardless of the direction of flow, refrigerant from the condenser will flow freely into one trap and thence through a pipe into the other trap where a narrow passage restricts flow to the evaporator. Should any gas reach the second trap, the

restricted passage will be temporarily closed by the float-controlled valve until the trapped gas escapes through an aperture in the top of the float.

Pat. 2,024,323. APPARATUS FOR COMPRESSING GASEOUS FLUIDS. Patented Dec. 17, 1935. This patent shows a compressor and apparatus for obtaining compound compression in which all the cylinders and pistons may be of the same size and of standardized construction. Gas is initially drawn into all the cylinders in the usual manner. Certain cylinders compress the gas which is then conducted to the other cylinders substantially near the end of the outward stroke of the pistons to supplement the uncompressed gas in such cylinders, both gases then being compressed and discharged into the system. Group 35—84. Reg. No. 4,292.

Pat. 2,024,728. RESILIENT SUPPORT. Patented Dec. 17, 1935. Group 35—84. Reg. No. 4,293.

Pat. 2,052,589. CUSHION SUPPORT. Patented Sept. 1, 1936. Group. 35—84. Reg. No. 4,294.

The two patents listed above cover a glide for resiliently supporting air conditioning units upon the surface of a room or the like. The support is adjustable and dampens or cushions vibrations which might be set up in the supported unit. In Patent 2,052,489 an air chamber is provided in combination with the resilient supporting material.

Pat. 2,027,058. METHOD AND APPARATUS FOR AIR CONDITIONING. Patented Jan. 7, 1936. Unit operated by power derived from a moving train will maintain the air properly conditioned after train slows down or stops without requiring any auxiliary power source. Chilled water is circulated by a pump driven by a small electric motor from a partially filled evaporator tank to a radiator (over which air to be conditioned flows) and then sprayed downwardly over the evaporator. The evaporator is only partially submerged in the water in the tank so that during normal operation of the unit ice will form on the unsubmerged portion of the evaporator without interfering with circulation of the water. This ice acts as a reserve refrigerant for keeping the circulating water cool after the compressor stops or slows down. Group 35—84. Reg. No. 4,295.

Pat. 2,031,614. VALVE MECHANISM AND ACTUATING MEANS THEREFOR. Patented Feb. 25, 1936. This patent shows two identical, axially aligned valves which are simultaneously rotated by turning a shaft to reverse the cycle. The valve stems are connected to a single gear meshing with another gear on a shaft which has a knob on one end. The compressor pipes are connected to the bottom of the valve casings. The valve seats have lateral ports adapted to communicate with the pipes of condenser and evaporator. Group 35—84. Reg. No. 4,296.

Pat. 2,033,063. MEANS FOR CONTROLLING REFRIGERATING APPARATUS AND INTERCHANGING THE FUNCTIONS OF COMPLEMENTARY HEAT EXCHANGE ELEMENTS THEREOF. Patented Mar. 3, 1936. Group 35—84. Reg. No. 4,297.

Pat. 2,052,561. MEANS FOR INTERCHANGING COMPRESSOR AND CONDENSER FUNCTIONS OF A REFRIGERATING SYSTEM AND CONTROLLING A COMPRESSOR THEREFOR. Patented Sept. 1, 1936. Group 35—84. Reg. No. 4,298.

The two patents listed above show two mercury switches operatively associated with a reversing valve mechanism. When the valve is rotated in a selected direction to reverse the cycle, the switches are simultaneously actuated to open a circuit to stop the compressor until the valves have been adjusted to complete the reversing operation, whereupon the switches close a circuit to restart the compressor.

Pat. 2,047,169. AIR CONDITIONING APPARATUS. Patented July 7, 1936. Compact apparatus occupies little space. A cabinet is preferably divided into vertical compartments so that compressor, evaporator and condenser overlie each other. The condenser and evaporator are disposed against the side of the compartments to leave room for the fans. Group 35—84. Reg. No. 4,299.

Pat. 2,048,282. CONDENSATE CONTROL MEANS FOR AIR CONDITIONING APPARATUS. Patented July 21, 1936. In this patent a flexible conduit which ordinarily communicates with two trays is used to drain some of the condensate before the trays are removed. The conduit may have a breakable conduit intermediate its ends, or it may be in one section and either end pulled from either tray. In this latter form, the trays are provided with valves which automatically close when the end of the conduit is disconnected from either tray. Group 35—84. Reg. No. 4,300.

Pat. 2,054,350. AIR CONDITIONING APPARATUS. Patented Sept. 15, 1936. This patent shows a compact, self-contained air conditioning unit especially designed for installation in the monitor of railway cars. It may be relatively easily installed without material changes in the cars, and is unobstrusive in appearance. The car ventilators may be utilized as the outside air ducts, if desired. In one form, a single motor drives the compressor, condenser fan, and air room fan. Several modifications are shown. Group 35—84. Reg. No. 4,301.

Pat. 2,055,780. RESERVE REFRIGERANT SUPPLY AND APPARATUS. Patented Sept. 29, 1936. The invention is especially adapted for use with railway air conditioning units. A tank containing a reserve refrigerant is connected to the crankcase or suction pipe of a compressor to automatically replace refrigerant which may be lost through leakage and to automatically maintain a substantially constant amount of refrigerant in the system irrespective of normal pressure variations. A valve mechanism automatically controls the addition into the system. Group 35—84. Reg. No. 4,302.

Pat. 2,062,435. METHOD AND MEANS OF DETECTING REFRIGERANT LEAKS. Patented Dec. 1, 1936. This invention is particularly applicable to small refrigerating systems. A liquid rubber composition is coated on the surface of joints or other connections and allowed to set, whereby in the event of a leak the gas will bulge the rubber and thus give visible indication of a leak. Group 35—84. Reg. No. 4,303.

Pat. 2,065,195. AUTOMATIC OIL SEPARATOR CONTROL FOR REFRIGERATING SYSTEMS. Patented Dec. 22, 1936. The discharge line of the compressor is provided with an oil separator connected by a pipe to a float-controlled valve to the bottom of the crankcase. Separated oil freely flows through the valve into the sump of the crankcase, but a small slug of refrigerant gas will temporarily close the valve for a predetermined period until the trapped gas escapes through a small aperture in the top of the float whereupon the valve will reopen to allow further flow of oil into the crankcase. The valve may be positioned outside the compressor crankcase, if desired. Group 35—84. Reg. No. 4,304.

Pat. 2,065,445. AIR DISTRIBUTING SYSTEM. Patented Dec. 22, 1936. System is particularly adapted for Pullman sleeping cars. A series of outlets is arranged in such a manner that a gentle, uniform circulation of air without the creation of drafts is conducted to each berth when arranged for sleeping. Also provides uniform flow and mixture of the air when the berths are arranged to permit seating. Group 35—84. Reg. No. 4,305.

Pat. 2,073,891. MEANS FOR INTERCHANGING THE FUNCTIONS OF COMPLEMENTARY HEAT EXCHANGE ELEMENTS, Patented Mar. 16, 1937. This patent shows a valve mechanism for reversing the cycle of an air conditioning unit. The mechanism includes two valves with their axis substantially aligned. Each valve has an arm pivotally connected to a separate nut through which a shaft having right and left hand threads extends. The valves are rotated in opposite directions when the shaft is turned by a removable crank. Group 35—84. Reg. No. 4,306.

Pat. 2,081,553. AIR CONDITIONING APPARATUS. Patented May 25, 1937. This patent shows arched filters connected to and supported by removable trays in which condensate collects. These filters are disposed beneath

spaced troughs in the trays. When trays are withdrawn from the unit, the filters may be easily removed. Group 35—84. Reg. No. 4,307.

Pat. 2,081,845. REVERSIBLE REFRIGERANT EXPANSION MEANS. Patented May 25, 1937. In the preferred form of this invention a single expansion valve or trap is used to control the flow of refrigerant in either direction. It comprises a casing with two axially aligned passageways, the inner ends being closed by check valves connected together by common telescoping stems surrounded by a spring. Ball valves seated in small expansion orifices in the top of each passageway are controlled by a float. In other forms two interconnected traps of modified construction may be used. Group 35—84. Reg. No. 4,308.

Pat. 2,085,703. AIR CONDITIONING APPARATUS. Patented June 29, 1937. Cooler utilizes a relatively large condenser yet requires minimum of floor space. The condenser, which extends the whole length of the cooler, may be positioned directly in the outside air duct of a building wall or be of L-shaped formation so that a substantial portion will continue outwardly into the duct when the cooler is installed. Group 35—84. Reg. No. 4,309.

Pat. 2,091,774. MUFFLER-FILTER APPARATUS FOR AIR FLOW PASSAGES. Patented Aug. 31, 1937. Muffler-filter is especially adapted for room cooler units and may be readily attached or removed. Comprises two separate sections, one for the room air inlet and the other for the room air discharge outlet. Each section comprises a frame with a different arrangement of baffles covered with suitable filtering material. Various modified arrangements of the baffles of the inlet muffler are shown. Group 35—84. Reg. No. 4,310.

Pat. 2,091,787. EXPANSION VALVE MECHANISM FOR REFRIGERATING SYSTEMS. Patented Aug. 31, 1937. Expansion valve mechanism is operable to control the flow of high pressure refrigerant in either direction. Flow to the evaporator is prevented until the refrigerant is pumped up to substantially its normal high pressure and the flow through the valve is controlled in accordance with the rate of evaporation of the refrigerant. The valve mechanism is constructed so that a diaphragm dividing the valve into two chambers functions to open or close the valve. Group 35—84. Reg. No. 4,311.

Pat. 2,105,205. AIR CONDITIONING APPARATUS. Patented Jan. 11, 1938. This patent shows means whereby some of the fresh outside air flowing to condenser is diverted through a passage to mix with air flowing to the evaporator. As the outside air flows upwardly between troughs in a removable condensate tray, a portion of it is diverted through a breakable elbow joint in the end of the tray and downwardly through a passage into the path of the room air. A door of the cabinet when closed holds the tray and elbow joint in operative position. When door is opened the joint may be broken and tray removed by simply pulling handle of tray. Group 35—84. Reg. No. 4,312.

Pat. 2,111,133. CONDENSATE ENTRAINMENT MEANS. Patented Mar. 15, 1938. Group 35—84. Reg. No. 4,313.

Pat. 2,111,570. LIQUID CONTROL MEANS FOR AIR CONDITIONING APPARATUS. Patented Mar. 22, 1938. Group 35—84. Reg. No. 4,314.

Pat. 2,145,380. CONDENSATE DISPOSAL MEANS FOR AIR CONDITIONING UNITS. Patented Jan. 31, 1939. Group 35—84. Reg. No. 4,315.

The three patents listed above relate to condensate disposal means. Two trays, communicating with each other in the usual manner, have several troughs with openings between to permit passage of upwardly flowing air. Sets of deflectors (and screens if desired) are placed over some of the passages to redirect the air downwardly into the troughs to agitate and spray the condensate into the air flowing through the unobstructed passages. This spray may also be directed against either the condenser or evaporator. In Patent 2,111,133 a stream of air independent of the main air stream is used to agitate the condensate, both streams preferably merging either before or after passing over a heat exchange element. This makes it possible to use a condensate disposal air stream of higher velocity or pressure than the main air stream. In Patent 2,145,380 the condensate is sprayed directly into the path of an air stream entering the mouth of a funnel. The upper end of the funnel (or the whole length) may be provided with auxiliary air inlets to maintain the condensate suspended in the air stream until it is discharged to the outside.

Pat. 2,113,691. COMPRESSOR. Patented Apr. 12, 1938. Group 35—84. Reg. No. 4,316.

Pat. 2,156,943. COMPRESSOR-UNLOADER STRUCTURE. Patented May 2, 1939. Group 35—84. Reg. No. 4,317.

The compressor and unloader mechanism of the two patents listed above is adapted for use with air conditioning apparatus, especially room coolers or railway car apparatus. The compressor is of rugged, light-weight construction and the various parts are constructed and arranged to facilitate manufacture and assembly. Several modifications of the compressor are shown. The unloader mechanism is provided to either prevent or permit discharge into the compressor crankcase. During operation of the compressor oil pressure is diverted into the mechanism to close a valve, but when the compressor stops and the oil pressure drops the valve will re-open.

Pat. 2,121,837. AIR CONDITIONING APPARATUS. Patented June 28, 1938. This patent shows a plurality of sub-units which are adapted to be bodily inserted into or removed from a cabinet. Each unit may comprise a casing, housing a heat exchange element, motor, and fans. The cabinet may be divided into compartments if desired. A modification shows one of the units of slightly different construction to enable the fan and compressor to be driven by the same motor. Group 35—84. Reg. No. 4,318.

Pat. 2,112,870. SELF-CONTAINED AIR CONDITIONING ROOM UNIT. Patented Apr. 5, 1938. Unit is designed to operate quietly and require a minimum of space. The compressor is enclosed by a separate, removable enclosure, and evaporator and condenser housed in separate compartments. Self-contained air passages are provided. A removable cabinet with its back plate omitted is placed over the inner housings with its walls slightly spaced therefrom. Room air flows into the unit beneath certain bottom edges of the cabinet which are slightly spaced from the floor. Inner housing has large room inlets and filters. Thus the units are housed by substantially double enclosures. Group 35—84. Reg. No. 4,319.

Pat. 2,131,544. ROTARY SEAL. Patented Sept. 27, 1938. Invention is especially applicable for high speed compressors used with refrigerating systems of small capacity to prevent leakage between the stationary casing and driving shaft. The seal is very effective when shaft is driven at high speed in maintaining uniform contact between relatively movable metallic sealing surfaces even though the shaft be subject to "whipping" or other deflections or distortions. Group 35—84. Reg. No. 4,320.

Pat. 2,134,349. CONDENSATE DISPOSAL MEANS FOR AIR CONDITIONING APPARATUS. Patented Oct. 25, 1938. The usual blower which circulates air over the condenser (or evaporator) is provided with peripheral flanges having either plain or saw-toothed surfaces which pick up accumulated condensate in the bottom of the blower casing and spraying it into the path of the blower air and against the condenser. Two modifications are shown for conducting the condensate into the blower casing, one of which is by aspirator or suctio action. Group 35—84. Reg. No. 4,321.

Pat. 2,145,575. REVERSING VALVE MECHANISM. Patented Jan. 31, 1939. This patent shows a double-poppet type of valve mechanism for reversing the flow of refrigerant through an air conditioning system. A block of steel or other suitable material having reversing passageways houses a pair of vertical, double-seating poppet valves each of which has an upper and lower valve seat. The stems of the valves are sealed by bellows which are subjected at

all times to low pressure from the suction side of the system to minimize possibility of leakage and prevent deterioration of the bellows. The valves alternately move in opposite directions during the reversing operation which is accomplished by manipulation of a lever. A modified form shows two valves disposed opposite each other in axially aligned relation with both seats connected to a common valve stem which is moved by manipulation of a lever. Group 35—84. Reg. No. 4,322.

Pat. 2,145,909. PROTECTIVE CONTROL CIRCUIT AND APPARATUS. Patented Feb. 7, 1939. This patent shows a control system for air conditioning units in which the circuits are so arranged that the compressor motor will be disconnected if the fan blower circuit is opened or fails for any reason, such as burning out of the motor or blowing of a fuse. Also prevents compressor motor from burning out in the event of partial failure of the compressor circuit, such as failure of one phase of a multi-phase circuit. Group 35—84; 36—19. Reg. No. 4,323.

Pat. 2,148,596. AIR CONDITIONING UNIT. Patented Feb. 28, 1939. This patent shows a compact, sturdy, self-contained unit particularly adapted for installation against ceilings and especially in railway car monitors. The construction permits shop assembly of the complete unit, yet vital elements, such as compressor, fans and fan motors, may be readily removed while unit is in its installed position. Group 35—84. Reg. No. 4,324.

Pat. 2,157,047. COMBINED AIR CONDITIONING UNIT AND HAIR DRIER. Patented May 2, 1939. Portable apparatus containing a refrigerating air conditioning unit may be placed in hairdressing parlors or other establishments. It serves not only to supply and circulate hot air through hoods for drying patrons' hair but also, if desired, effectively heats or cools the room. Its operation is easily controlled, requiring only a minimum of effort and attention by operator. Group 35—84. Reg. No. 4,325.

Pat. 2,163,691. PORTABLE ROOM COOLING UNIT. Patented June 27, 1939. Room cooler is compactly constructed and hot condenser air is utilized to dispose of the condensate. Cooler has two vertical compartments over a bottom compartment. Compressor and condenser are housed in bottom compartment and evaporator in a vertical compartment. A condensate tray is disposed at the bottom of the other compartment. The lower ends of suspended vertical baffles and sheets, all of absorbent material, contact condensate in the tray. Outside air is circulated downwardly over the compressor and condenser and then upwardly and downwardly into contact with the absorbent material before passing out into the atmosphere. Group 35—84. Reg. No. 4,326.

Pat. 2,250,978. AIR CONDITIONING APPARATUS. Patented July 29, 1941. This patent shows condensate disposal means. A series of spaced, slightly inclined baffles with their lower ends bent to form small troughs are placed in the ducts beneath the evaporator and condenser. These troughs empty into collection chambers (at one side of the ducts) preferably formed by bending one terminal end of the fan scrolls toward a back sheet. A pipe connects the chambers. Collected condensate is conducted through a pipe to a pump (driven by the shaft of a fan rotor), which has a pipe leading to two spaced absorbent pads on top of the condenser fins. An inverted channel-shaped member overlies each pad. Group 35—84. Reg. No. 4,327.

Pat. 2,276,814. REFRIGERATION SYSTEM. Patented Mar. 17, 1942. System is provided with a single thermostatically controlled valve for controlling the volume of refrigerant flowing from a receiver or reservoir to the evaporator. Regardless of the cycle of operation the valve is subjected only to suction pressure and refrigerant flows through the valve in the same direction. The compressor will continue to operate for a predetermined period after flow to evaporator has been cut off so that a minimum load will be imposed on the compressor when it subsequently starts. The system in addition to the usual reversing valve and pipe arrangement is provided with another pipe arrangement including two reversing cross pipes connected to the condenser and evaporator pipes. Each cross pipe has a pair of check valves which open in different directions. Group 35—84. Reg. No. 4,328.

Pat. 2,071,366. FABRICATED STRUCTURE FOR AIR CONDITIONING UNITS. Patented Feb. 23, 1937. Group 35—84. Reg. No. 4,329.

Pat. 2,130,327. AIR CONDITIONING APPARATUS. Patented Sept. 13, 1938. Group 35—84. Reg. No. 4,330.

Pat. 2,132,372. AIR CONDITIONING APPARATUS. Patented Oct. 4, 1938. Group 35—84. Reg. No. 4,331.

Pat. 2,185,387. AIR CONDITIONING APPARATUS. Patented Jan. 2, 1940. Group 35—84. Reg. No. 4,332.

Pat. 2,289,035. AIR CONDITIONING APPARATUS. Patented July 7, 1942. Group 35—84. Reg. No. 4,333.

The five patents listed above relate generally to air conditioning apparatus of the type employing a reverse cycle refrigerating system and more particularly to a self-contained room cooler adapted to be disposed within the room to be conditioned. The various elements are constructed and arranged so that when assembled they are enclosed or housed by a cabinet of attractive appearance occupying a minimum of space when placed in a room. Accessibility to the various parts may be readily had for inspection or repair. The inventor states that they may be economically manufactured and assembled and they will operate quietly and efficiently.

Re. 22,058. AIR CONDITIONING UNIT. Reissued Apr. 7, 1942. (Original No. 2,058,405, dated Oct. 27, 1936.) Cabinet type of room cooler may be conveniently placed below a window and completely installed without the need of any additional piping or duct work. A lateral extension formed with the top of the cabinet is adapted to project outwardly over a window sill. Room air is conditioned by circulating it over ice. A feature of the invention is that the unit may be set so that sufficient ice may be initially formed in a tray and the room air properly conditioned all day while the compressor remains idle. Group 35—84. Reg. No. 4,334.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING OCTOBER, 1946

FISHER FLOURING MILLS COMPANY *v.* O. R. RECKER, Cancellation No. 4433.

In a decision rendered October 7, 1946 (169 Ms. Dec. 169, 71 USPQ 92), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had dismissed the petition of Fisher Flouring Mills Company, of Seattle, Wash., to cancel trade-mark registration No. 407,731, issued June 20, 1944, under the provisions of the act of February 20, 1905, to O. R. Recker, of Phoenix, Ariz. Respondent's mark is essentially the word "Zoom" registered for fresh vegetables. Petitioner's mark likewise is essentially the word "Zoom" previously registered for a cereal product made from wheat for use as a breakfast food or in the preparation of bread, muffins, pancakes, crackers, biscuits, and the like.

After noting that the Examiner of Interferences dismissed the petition on the ground that the goods of the parties are of different descriptive properties, it was held that it appears from the record that in at least one instance the goods of the parties may be used together; and it is not unlikely that an average housewife, fabricating her stew with "Zoom" carrots and "Zoom" dumplings, would believe that the two bore some relationship as to origin so that respondent's goods and petitioner's goods are broadly of the same class; and since the marks are substantially identical, the petition to cancel should be sustained.

SCHERING CORPORATION *v.* SALVATORE REINA, Opposition No. 23,829.

In a decision rendered October 7, 1946 (169 Ms. Dec. 168, 71 USPQ 93), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Schering Corporation, of Bloomfield, N. J., to the application of Salvatore Reina, of San Francisco, Calif., for registration of a trade-mark for vitamin preparations, which mark is essentially the notation "Vita-Sana," on the ground that applicant's mark is confusingly similar to opposer's trade-mark "Vasano" previously registered for a medicine for the treatment of seasickness.

It was held that there can be no doubt but that the goods of the parties, though specifically different, are broadly of the same descriptive properties; otherwise, the similarity of the marks would be immaterial.

It was held that the Examiner rightly ruled that the marks were too nearly alike to be used concurrently without likelihood of confusion.

EX PARTE THE HEARST CORPORATION, Serial No. 479,847.

In a decision rendered October 8, 1946 (169 Ms. Dec. 167, 71 USPQ 94), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to The Hearst Corporation, of New York, N. Y., the notation "Susie Q. Smith" as a trade-mark for a newspaper cartoon on the ground that the mark is the name of an individual not distinctively displayed.

It was held that since it is a notoriously common surname "Smith" is not subject to exclusive appropriation as a trade-mark; nor does coupling it with a common Christian name and a middle initial result in registrability under the Trade-Mark Act of February 20, 1905, for though "Susie Q. Smith" is a name of a character in applicant's cartoon, it may well be also the name of an individual within the meaning of section 5(b) of the act; and that it was not selected because it identified anyone in particular is immaterial.

In response to applicant's argument that the statutory proviso is inapplicable because the cartoon character is visually portrayed in association with the mark, it was held that the character is depicted in association with the goods as distinguished from the mark; and being fanciful, the picture is not a portrait of any individual known as "Susie Q. Smith"; in any event, the application covers nothing more than the name.

EX PARTE VENTURA CITRUS ASSOCIATION, Serial No. 215,499.

In a decision rendered October 11, 1946 (169 Ms. Dec. 174, 71 USPQ 103), *First Assistant Commissioner Frazer* denied the petition of Ventura Citrus Association, of Ventura, Calif., for the refund of a trade-mark registration renewal fee which it is alleged was not required by law and was paid by actual mistake.

Petitioner's trade-mark was registered on July 20, 1926. On November 15, 1927, the registration was placed in interference with two applications; which interference was terminated, adversely to petitioner, on March 24, 1928; but petitioner's registration was not canceled. On March 14, 1946, petitioner filed its application for renewal of the registration accompanied by the statutory fee and the Examiner of trade-marks rejected the application for the reasons outlined above.

In response to applicant's argument that there is no provision in the law for renewal of trade-mark registrations having the status of petitioner's

and inasmuch as there is no requirement for the payment of a renewal fee so that the fee paid was therefore not required by law, it was held that the petition must be denied on the authority of the Acting Comptroller General's decision of September 21, 1936 (16 Comp. Gen. 283) where it was held that the Commissioner of Patents is without authority to return fees paid upon the filing of petitions to revive forfeited patent applications even though the statute makes no provision for the revival of such applications, for while the facts of the instant case are not the same, the two situations are not distinguishable in principle.

WYETH INCORPORATED *v.* CHASE CHEMICAL COMPANY, Opposition No. 23,168.

In a decision rendered October 11, 1946 (169 Ms. Dec. 173, 71 USPQ 102), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the notice of opposition of Wyeth Incorporated, of Philadelphia, Pa., to the application of Chase Chemical Company, of Newark, N. J., for registration of the word "Panules" as a trade-mark for multiple vitamin capsules, tablets or liquids. The opposition was based upon opposer's alleged rights to a trade-mark consisting of the notation "Plastules" adopted and used by opposer's predecessors in business.

It was held that the Examiner rightly concluded that opposer's right to intervene had not been established for the reason that opposer introduced no evidence indicating any succession of title either to the registration or the mark therein disclosed.

In response to opposer's argument with reference to its alleged ownership of the mark that with a decision on the motion to dismiss in the file flatly stating that applicant has admitted the allegations well pleaded in the notice of opposition, there was no necessity for testimony to prove it and no testimony was therefore taken, it was held that opposer's position in that regard is clearly untenable since when applicant answered and denied the allegations of the notice of opposition, opposer was put to its proofs.

THE BOVININE COMPANY (WYETH INCORPORATED, ASSIGNEE, SUBSTITUTED) *v.* CHASE CHEMICAL COMPANY, Opposition No. 23,169.

In a decision rendered October 11, 1946 (169 Ms. Dec. —, 71 USPQ 101), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of The Bovinine Company (Wyeth Incorporated, assignee, substituted) of Chicago, Ill., to the application of Chase Chemical Company, of Newark, N. J., for registration of the word "Panules" which is claimed to have been used since February 1, 1943, as a trade-mark for multiple vitamin capsules, tablets or liquids. A motion to dismiss the opposition was denied by the Examiner because the facts thereby disclosed import that the opposer here claims prior use in its own right of the trade-mark "Plastules" for a medicinal pill.

It was held that the testimony of one witness that he had known of the product "Hematinic Plastules" for about ten years failed to establish that The Bovinine Company has had use of the notation since prior to February, 1943, the date of first use established by applicant.

It was held that succession of title from John Wyeth & Brother, Incorporated, to The Bovinine Company and to Wyeth Incorporated has not been established; and that even granting that the product has been sold under the mark "Hematinic Plastules" by someone for a period of ten years, there is no showing that The Bovinine Company has used such notation on its own behalf prior to the adoption and first use of the applicant so that since opposer has failed to establish its right to oppose the application, the Examiner of Interferences properly dismissed the notice.

In response to opposer's argument that succession was pleaded in the notice of opposition and stands admitted by the filing of the motion to dismiss, it was held that the allegations well pleaded in the notice stood admitted only for the purpose of the motion and when applicant answered and denied those allegations, The Bovinine Company was put to its proofs.

B. T. FOOKS MANUFACTURING COMPANY *v.* MONROE HARRISON, Cancellation No. 4306.

In a decision rendered October 15, 1946 (169 Ms. Dec. 175, 71 USPQ 105), *First Assistant Commissioner Frazer* denied a petition for reconsideration of his decision of June 25, 1946 (588 O. G. 685, 70 USPQ 2) by which was dismissed the petition of B. T. Fooks Manufacturing Company, of Camden, Ark., to cancel a trade-mark registration owned by Monroe Harrison, of Chicago, Ill., on the ground that the petition to cancel was manifestly insufficient to support the judgment.

After noting that on July 16 the Fooks concern filed its petition to correct and to amend petition for cancellation which petition was granted on August 8 and that Fooks on September 28 petitioned for reconsideration and modification of the decree rendered June 25, 1946, the petition being resisted by the party Harrison, it was held that rule 151 of the Rules of Practice provides that petitions for rehearing or modifications of the decision must be filed within twenty days after the decision or before the limit of appeal expires and the instant petition was not filed until ninety-five days after the decision when the limit of appeal had long since expired; even the amendment was not filed within twenty days after the decision, nor is there any explanation of the long delay.

NOXON, INC., *v.* NOX-RUST CORPORATION, Cancellation No. 4425.

In a decision rendered October 15, 1946 (169 Ms. Dec. 176, 71 USPQ 104), *First Assistant Commissioner Frazer* denied a petition for reconsideration by the party Noxon, Inc., of Ozone Park, N. Y., of the decision of August 27, 1946, (590 O. G. 537; 70 USPQ 509) dismissing petitioner's application to cancel a trade-mark registration owned by the party Nox-Rust Corporation, of Chicago, Ill.

After noting that petitioner has forfeited its right of appeal to the United States Court of Customs and Patent Appeals, it was held that reconsideration of the record in the light of petitioner's reargument confirms the opinion that the evidence fails to lead reasonably to the conclusion that petitioner is injured by the registration sought to be canceled.

After noting that petitioner owns a registration of the mark on which it relies for goods comprising tire paint and paint enamels and that petitioner professes concern as to the possibilities of the future use of appellant's mark under its registration, it was held that it is clear that the registration affords no sanction for use of the registered mark on paints of any kind.

It was further held that section 13 of the Trade-Mark Act provides for cancellation only on petition of one who "shall deem himself injured by the registration of a trade-mark" and this language may not properly be interpreted to include one who admittedly is not injured when the petition is filed, but might conceivably suffer injury in the unpredictable future.

EX PARTE THE NAVAL UNIFORM SERVICE INC., Serial No. 457,794.

In a decision rendered October 16, 1946 (169 Ms. Dec. 181, 71 USPQ 106), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to The Naval Uniform Service, Inc., of New York, N. Y., under the provisions of the act of March 19, 1920, a mark comprising the notation "Naval Uniform Service," displayed in association with a design for men's outer garments, consisting of coats, pants, trousers, overcoats and topcoats on the ground that the mark serves merely to describe the character of applicant's business rather than as a trade-mark indicating the origin of applicant's goods.

After noting that the application was filed originally under the act of 1905 and was rejected by the Examiner because the mark presents words which are descriptive of the goods and inherently incapable of functioning as a trade-mark, which decision was affirmed on appeal (563 O. G. 587; 61 USPQ 380) and that the major portion of applicant's present brief is devoted to the argument that its mark is not descriptive, it was held that in addition to being res judicata that is beside the point for descriptiveness is no bar to registration under the 1920 act of a mark that is capable of trade-mark significance; applicant's mark is not of that character; and since it would fail to indicate origin in any particular concern, it is no more registrable under the act of 1920 that it was under the act of 1905.

EX PARTE COMMERCIAL SOLVENTS CORPORATION, Serial No. 473,308.

In a decision rendered October 16, 1946 (169 Ms. Dec. 182, 71 USPQ 106), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Commercial Solvents Corporation, of New York, N. Y., under the provisions of the act of February 20, 1905, a mark consisting in the notation "Penicillin—C. S. C.," printed in capital letters of uniform size and style, appropriated to penicillin compounds, the word "Penicillin" being disclaimed apart from the mark as shown on the ground that the mark is predominantly descriptive.

In response to applicant's argument that disclaimed descriptive words could never constitute the dominant part of a mark, it is held that the Examiner was right in holding that applicant's mark is dominated by the non-registrable word "Penicillin" and that a composite mark that is dominated by non-registrable matter may not be registered under the Trade-Mark Act of 1905 merely because such matter is disclaimed.

EX PARTE C. B. SLATER COMPANY, Serial No. 460,456.

In a decision rendered October 17, 1946 (169 Ms. Dec. 185, 71 USPQ 109), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing in view of a previously registered trade-mark for shoes which consists essentially in the notation "Yankee Prince" to register to C. B. Slater Company, of South Braintree, Mass., the notation "Yankee Trampers by C. B. Slater" as a trade-mark for women's shoes of leather, rubber, fabric, or combinations thereof, the phrase "by C. B. Slater" being printed in relatively small letters below the words "Yankee Trampers" and being disclaimed apart from the mark as shown on the drawing.

After noting that applicant contends and the Examiner concedes that the word "Yankee" has been so frequently registered in the clothing class that it may well be accepted as having a restricted scope, it was held that "Yankee" forms a prominent part of the registered mark and in applicant's mark it is the only undisclaimed portion that is capable of denoting origin.

After noting that by dictionary definition "trampers" are "heavy boots," it was held that as applied to applicant's goods the word is thus either descriptive or misdescriptive, and is devoid of trade-mark significance, so that it follows that "Yankee" is the dominant word of applicant's mark and it seems reasonably likely that confusion would result from the concurrent use of this mark and the mark of the registration on substantially identical merchandise.

It was further held that in the event applicant's mark should be held registrable upon further appeal, a disclaimer of the word "Trampers" will be required.

EX PARTE LAMONT, CORLISS & COMPANY, Serial No. 465,715.

In a decision rendered October 17, 1946 (169 Ms. Dec. 184, 71 USPQ 108), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Lamont, Corliss & Company, of New York, N. Y., the notation "All-Weather," under the provisions of the act of February 20, 1905, as a trade-mark for chocolate on the ground that the mark is descriptive of the goods in asserting that the chocolate is adapted for use under all conditions of weather.

After noting that applicant concedes that heat or cold has in the past adversely affected chocolate but of recent date chocolate has been so processed that it can be sent to the tropics or to the arctic without any material effect on the product, in response to applicant's argument that the mark is not descriptive in the sense inhibited from registration under the statute, because it conveys no definite idea of any quality of the goods, it was held that applicant's mark is descriptive of the character and quality of applicant's chocolate and that it would be so understood by purchasers, as the information imparted by applicant's mark is presumably accurate rather than so palpably untrue as to be incongruous.

EX PARTE CHAMPREL CO., Serial No. 468,832.

In a decision rendered October 17, 1946 (169 Ms. Dec. 186, 71 USPQ 109), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Champrel Co., of New York, N. Y., the word "Sizzling" as a trade-mark for after shaving lotions in view of a registered mark comprising the notation "Sizzling Red," for lipsticks, cream rouge, and rouge compacts, the descriptive word "Red" being disclaimed.

In response to applicant's argument that the goods of the registration and its own are of different descriptive properties, it was held that both are toilet preparations; and while not both used by the same individuals, they are nevertheless so closely related as to be reasonably supposed to have a common origin.

In response to applicant's citation of cases in which confusion has been held to be unlikely between somewhat similar marks applied to goods that were of the same descriptive properties only in a broad sense of the term, as are the goods here involved, it was held that the proposed registration was properly refused since here these marks are substantially identical; not only is the word "Sizzling" the same in each but in each it is printed in capital letters of like formation and in each, it is arcuately arranged so that there is no difference even in appearance.

STANDARD CHEMICAL PRODUCTS, INC., *v.* RICHARD W. TAYLOR, Opposition No. 23,726.

In a decision rendered October 17, 1946 (169 Ms. Dec. 183, 71 USPQ 107), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences and thereby sustained the opposition of Standard Chemical Products, Inc., of Hoboken, N. J., to the application of Richard W. Taylor, of Boston, Mass., for registration of the word "Transitex" as a trade-mark for textile finishing compound for use in the manufacture or treatment of wool fibers and fabrics to protect the same from the injurious effect of heat and chemicals used in the dyeing processes and of alkalis, to act as a mordant and dye leveller and to preserve and retain the strength of the fibers. Opposer relied upon its established prior use and registration of the trade-mark "Stantex" for a chemical preparation in liquid form used in the finishing of textile fibers, twisted and untwisted yarns, coning oils, piece goods, and as an assistant to sizes and finishes imparting pliability, good running properties, and drapery effect.

It was held that since the goods of the parties are closely related merchandise of the same descriptive properties, the only question to be determined is whether or not the marks involved are so nearly similar as to be likely to cause confusion.

After noting that the Examiner of Interferences dismissed the opposition because the syllable "tex" is a mere contraction of the word "textile" and hence is descriptive of the use of the goods and the remaining portions of the mark are quite different in sound and appearance, it was held that "tex" is not descriptive; it suggests the word "textile," and was doubtless incorporated in both marks for that reason; but there is nothing in the record to indicate that such as its accepted meaning; and in sound, at least, "Stantex" and "Transitex" are very nearly alike so that the opposition should have been sustained.

COOK CHOCOLATE COMPANY *v.* THOMAS J. RYAN, JR., Cancellation No. 4421.

In a decision rendered October 23, 1946 (169 Ms. Dec. 178, — USPQ —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the petition filed by Cook Chocolate Company, of Chicago, Ill., for cancellation of a registration of Thomas J. Ryan, Jr., of New York, N. Y., of the mark "Vita-Snak" for therapeutic food preparation containing vitamins and minerals in a carrier comprising ground fruits, nuts, cereals and a sweetening agent. The petition is based on the prior use by petitioner of the mark "Vita Sert" also applied to a food bar fortified with vitamins, petitioner later having secured a registration of the mark "Vita Sert" for chocolate bars, fortified with vitamins. Priority of use by petitioner of its mark is admitted.

It was held that the food bars of both parties are clearly goods of the same descriptive properties and are quite similar in character and in sales appeal.

It was held that although the prefix "Vita" of each mark is such a well-known term and so commonly used in combination with other words to indicate vitamin content that it seems proper to state that the suffixes "Snak" and "Sert" carry the predominant trade-mark significance, and although there is a difference in the meaning of the terms "Snak" and "Sert," nevertheless the marks must be considered in their entireties and when so considered are so similar in appearance and in sound that their concurrent use on the goods to which they are applied would be likely to cause confusion in trade and deception of purchasers; both of the terms "Snak" and "Sert" are of four letters and begin with the letter "S" and end with a tall letter and the presence of the term "Vita" applied thereto as a part of the marks dulls the contrast between the portions "Snak" and "Sert" of the marks over what it would be if such terms are compared alone.

KAYLON INCORPORATED *v.* GORDON-LACEY CHEMICAL PRODUCTS CO., Opposition No. 24,717.

In a decision rendered October 24, 1946 (169 Ms. Dec. 179, — USPQ —), *Commissioner Ooms* in an opposition instituted under the notice filed by Kaylon Incorporated, of New York, N. Y., against the application of Gordon-Lacey Chemical Products Co., of New York, N. Y., for registration of the word "Kaylon" as a trade-mark for plastic compositions in sheet, rod or tube form, on a petition for the exercise of supervisory authority after denial of a motion for summary judgment, granted the motion and sustained the opposition. The notice of opposition alleged that applicant's mark consists merely in the name of the opposer, and is, therefore, not registrable to the applicant under the act of February 20, 1905.

After noting that opposer, after answer filed denying the allegation, filed its motion for summary judgment supported with a certificate of the Deputy Secretary of State of the State of New York and an affidavit of opposer's president, from which it appears that opposer's corporate name has been Kaylon Incorporated since a date prior to applicant's first use of the mark sought to be registered and that after the filing of the petition to exercise supervisory authority a rule was served upon applicant for applicant to respond to the motion of summary judgment filed by opposer, but no response having been received, it was held that the summary judgment procedure provided for in the Federal Rules of Civil Procedure, Rule 56, is available in the United States Patent Office.

After noting that under well recognized principles of summary judgment procedure that procedure can be employed where no issue of fact remains for disposition and that the procedure contemplates the employment of affidavits and other documents not to form the basis for the determination of an issue of fact, but merely to demonstrate that no controlling issue of fact appears in the case, it was held that it is clear from the certificate of the official of the State of New York that opposer's name is Kaylon Incorporated and it inevitably follows that there can be no factual proof which would prevent the application of the statutory prohibition against registration of the published mark.

WASHINGTON STATES HOP PRODUCERS, INC., Serial No. 476,314.

In a decision rendered October 30, 1946 (169 Ms. Dec. —, — USPQ —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks refusing to register to Washington States Hop Producers, Inc., of Yakima, Wash., a trade-mark consisting of the word "CO OP HOPS" enclosed in a diamond shaped border, the word "HOPS" being disclaimed.

After noting that it is of record that there is a corporation by the name of "Co-Op, Inc." and that the Examiner has held that the mark is such appropriation of the name of this company that its registration is barred under section 5 of the Trade-Mark Act of 1905, it was held that the Examiner is clearly correct in his holding; "CO OP" is the dominant feature of the mark and neither the association of the descriptive word "HOPS" therewith nor the fact that the expression "Co-op" or "CO OP" may be considered by many to be an abbreviation for and to mean a cooperative company or association makes the extent of the appropriation of the corporate name any less.

CRESTA BLANCA WINE COMPANY, INC., *v.* G. VIVIANO, INC. (G. VIVIANO, ASSIGNEE, SUBSTITUTED), Opposition No. 23,718.

In a decision rendered October 30, 1946 (169 Ms. Dec. —, — USPQ —), *Assistant Commissioner Van Arsdale* reversed the action of the Examiner of Trade-Mark Interferences who had dismissed the notice of opposition filed by Cresta Blanca Wine Company, of New York, N. Y., against the granting to G. Viviano, Inc. (G. Viviano, Assignee, substituted), of Detroit, Mich., registration of a very ornate trade-mark for wines, the mark comprising the representation of a shield carrying the letters "G," "V" and "I" on red, blue and gold fields, respectively, with representations of grape vines extending laterally from the shield and a ribbon in scroll form extending across the bottom tip of the shield, above which is the name "Viviano" in prominent letters and below the shield are the words "Gold Crest" also in prominent letters, the name "Viviano" being disclaimed. In support of its notice of opposition opposer relied on its prior use and registration of the trade-mark "Cresta Blanca" written in block letters for wines.

After noting that the Examiner held that there is no confusing similarity between the marks, it

was held that the difference between the marks in appearance is so great that it seems that there is no confusing similarity between the marks in appearance, but nevertheless when spoken the sound of the words "Cresta" and "Crest" would make more of an aural impression that the accompanying words "Blanca" and "Gold" so that the name "Viviano" being disclaimed and a surname, the sound of this name in the trade-mark "Viviano Gold Crest" when the trade-mark is spoken would carry little, or at least less trade-mark significance than the words "Gold Crest" so that under these circumstances the sounds of the marks when spoken are so similar as to be likely to cause persons to mistake one for the other and thus cause confusion between them so that the notice of opposition should be sustained since sound is of itself sufficient to constitute confusing similarity of marks when applied to goods of the same descriptive properties.

GOODALL-SANFORD, INC., *v.* KAUDERS-STEUBER CO., Opposition No. 23,938.

In a decision rendered October 30, 1946 (169 Ms. Dec. —, — USPQ —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the notice of opposition filed by Goodall-Sanford, Inc., of Sanford, Maine, against the granting of registration to Kauders-Steuber Co., of Chicago, Ill., of the mark "Nutex" for new and unused textile clippings, classified in Class 1, Raw or partly prepared materials. The opposition was based on the prior use and registration by opposer of the mark "Nurotex" as applied to textile piece goods, the registration naming specifically mohair piece goods, and piece goods of combinations of cotton, wool, mohair, alpaca, camel's hair, silk, and artificial silk.

After noting that the marks are very similar in appearance, sound and significance, so that if applied to identical goods, it seems clear that confusion as to the origin of the goods would ensue, it was held that the question then is whether the goods involved are so dissimilar in the respects comprehended by the term "goods of the same descriptive properties" appearing in section 5 of the Trade-Mark Act of 1905 that notwithstanding the close similarities of the marks there is no likelihood of confusion or mistake or deception of purchasers as to the origin of the goods or ownership of the marks.

It was held that it must be considered that the goods in issue are as stated in the application for the registration which is here opposed.

It was held that textile piece goods and textile clippings broadly are goods of the same descriptive properties and that these goods are so closely related and the marks are so similar that their concurrent use respectively on textile piece goods and textile clippings would be likely to cause mistake and confusion in the mind of the public and to deceive purchasers so that the opposition was properly sustained.

LEDERLE LABORATORIES, INC., v. ABBOTT LABORATORIES, Opposition No. 23,957.

In a decision rendered October 31, 1946 (169 Ms. Dec. —, — USPQ —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the notice of opposition filed by Lederle Laboratories, Inc., of New York, N. Y., to granting registration to Abbott Laboratories, of North Chicago, Ill., of the mark "Vi-Daylin" to cover a homogenized emulsion of vitamins A, D, B_1, B_2, C and Nicotinamide. In opposition to the granting of this registration opposer asserted its prior registration of the mark "Vi-Delta" for a pharmaceutical preparation containing vitamins A and D.

It was held in the absence of anything in the record to establish otherwise that the goods seem to be clearly goods of the same descriptive properties.

It was held that the names also are very similar in appearance and in sound and are so similar that the Examiner was clearly correct in holding that their concurrent use on the similar products to which they are applied would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 26, 1946

[VOL. 592. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 485,147. THE GREER-HALE CHINCHILLA RANCH, New Market, Va. Filed June 28, 1945.

SOFT GOLD

Applicant disclaims use of the word "Soft" apart from the mark.

FOR LIVE CHINCHILLAS AND CHINCHILLA PELTS.

Claims use since 1942.

Ser. No. 494,115. PIEDMONT BOTANICAL GARDENS, San Francisco, Calif. Filed Dec. 29, 1945.

HALE & HEARTY

FOR PLANTS, SEEDS, BULBS, FLOWERS, SHRUBS, AND TREES.

Claims use since Sept. 11, 1945.

Ser. No. 500,067. FERRY-MORSE SEED CO., Detroit, Mich. Filed Apr. 12, 1946.



The drawing is lined for shading purposes only.

FOR SEEDS—NAMELY, VEGETABLE AND FLOWER SEEDS.

Claims use since December 1945.

Ser. No. 500,602. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Apr. 20, 1946.

TABU

FOR RAW FEATHERS, NATURAL FLOWERS, TALC, AND HUMAN AND HORSE HAIR.

Claims use since Apr. 17, 1946.

CLASS 2

RECEPTACLES

Ser. No. 487,153. ERNEST L. WARNER, Hollywood, Calif. Filed Aug. 14, 1945.

Fethermetal

FOR COMBINATION CASES FOR CIGARETTES AND A POWDER PUFF MADE OF BASE METAL AND SOLD IN TRADE EMPTY.

Claims use since June 26, 1945.

Ser. No. 502,914. NORTHWEST METAL PRODUCTS, INC., Seattle, Wash. Filed May 28, 1946.

Chief

FOR GARBAGE CANS, GARBAGE PAILS, WATER PAILS, OIL CANS, COAL HODS, SPRINKLER CANS, KITCHEN STEP-ON CANS, AND FIRE BUCKETS.

Claims use since January 1920.

Ser. No. 510,049. ARCO METALCRAFT INC., New York, N. Y. Filed Oct. 2, 1946.

STYLON

FOR PLASTIC BOXES FOR HOUSING FACIAL TISSUES.
Claims use since June 1, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 491,327. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed Nov. 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

AFFILIATED WITH INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS ORGANIZED NOV. 28, 1891 AMERICAN FEDERATION OF LABOR

No claim is made to the words "Affiliated With American" apart from the mark.
FOR LEATHER IDENTIFICATION CARD CASES.
Claims use since Sept. 1, 1912.

Ser. No. 499,463. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Apr. 2, 1946.

Aristocrat

FOR LADIES' HANDBAGS, WALLETS, POCKETBOOKS, AND BILL FOLDS.
Claims use since August 1932 on handbags; and since 1937 on wallets, pocketbooks, and bill folds.

Ser. No. 499,974. VITAPLAST PRODUCTS, INC., New York, N. Y. Filed Apr. 10, 1946.

The Vitabag

FOR PLASTIC BEACH AND UTILITY BAG.
Claims use since Mar. 1, 1946.

Ser. No. 502,359. THE WILSON MANUFACTURING CO., INC., Boston, Mass. Filed May 17, 1946.

ADMIRAL

FOR COIN PURSES AND COMBINATION BILLFOLDS AND COIN PURSES.
Claims use since September 1945.

Ser. No. 502,745. EDWARD FREEMAN, Philadelphia, Pa. Filed May 25, 1946.

STYLED BY Mel

Applicant disclaims the words "Styled By" apart from the mark.
FOR HAND LUGGAGE—NAMELY, MEN'S AND WOMEN'S TRAVELING BAGS AND CASES, WEEKEND BAGS, WARDROBE CASES, PULLMAN CASES AND SUIT CASES, VALISES, AND OVERNIGHT BAGS.
Claims use since November 1945.

Ser. No. 503,561. EARL & ARLINGTON, San Francisco, Calif. Filed June 10, 1946.

Rest Easy

FOR SAFETY BELTS FOR INFANTS.
Claims use since June 3, 1937.

Ser. No. 507,945. SUPREME BAG CO., INC., New York, N. Y. Filed Aug. 23, 1946.

"Rain or Shine"

FOR LADIES' HANDBAGS.
Claims use since Aug. 1, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 473,705. PITTSBURGH CHEMICAL LABORATORY, Pittsburgh, Pa. Filed Aug. 29, 1944.

META SUDS

For registration purposes applicant disclaims the word "Suds."
FOR COMPOSITION OF MATTER FOR WASHING GLASS, CHINA, SILVERWARE, AND FOR GENERAL CLEANING AND WASHING PURPOSES.
Claims use since May 15, 1941.

Ser. No. 497,404. PALMER SHOW CARD PAINT COMPANY, INC., Detroit, Mich. Filed Feb. 28, 1946.

Window Lite

The word "Window" is disclaimed apart from the mark.
FOR PREPARATION FOR POLISHING GLASS, NICKEL, CHROME, METAL, ENAMEL, AND TILE SURFACES.
Claims use since Sept. 6, 1939.

Ser. No. 498,689. DORAN LABORATORIES, INC., New York, N. Y. Filed Mar. 21, 1946.

MON. TUES. WED. THUR. Friday

FOR FURNITURE CLEANING PREPARATION.
Claims use since Jan. 21, 1946.

Ser. No. 498,877. AMERICAN BASIC CHEMICALS, INC., Baltimore, Md. Filed Mar. 25, 1946.

RAYCAL

FOR WASHING AND CLEANING COMPOUNDS, IN POWDER FORM (HAVING INCIDENTAL WATER SOFTENING PROPERTIES), FOR THE HANDS, DISHWASHING, BOTTLE WASHING, DAIRY CLEANING, STEAM CLEANING, GENERAL CLEANING, AND FOR USE ON TERRAZZO, MARBLE, AND TILE.
Claims use since Apr. 20, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 494,775. AVON PRODUCTS, INC., New York, N. Y. Filed Jan. 15, 1946.

GAY LOOK

FOR LIPSTICK, ROUGE, AND NAIL POLISH.
Claims use since Oct. 25, 1945.

Ser. No. 498,192. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Mar. 18, 1946.

RESIDOL

FOR INSECTICIDES.
Claims use since Sept. 28, 1945.

Ser. No. 498,961. SYLVIA WALTERS, St. Louis, Mo. Filed Mar. 25, 1946.

Mme. SRW

FOR ALL-PURPOSE HAIR PREPARATION.
Claims use since Feb. 15, 1946.

Ser. No. 498,989. ENDO PRODUCTS INC., New York, N. Y. Filed Mar. 26, 1946.

NORODIN

FOR MEDICINAL PREPARATION USED AS A CENTRAL NERVOUS SYSTEM STIMULANT.
Claims use since Mar. 15, 1946.

Ser. No. 499,017. O. M. SCOTT & SONS COMPANY, Marysville, Ohio. Filed Mar. 26, 1946.

4-X

FOR WEED CONTROL—NAMELY, A CONCENTRATED CHEMICAL.
Claims use since Mar. 11, 1946.

Ser. No. 499,065. THE MALTINE COMPANY, New York, N. Y. Filed Mar. 27, 1946.

BUFFLAC

FOR ANTACID FOR CONTROL OF GASTRIC ACIDITY.
Claims use since Mar. 7, 1946.

Ser. No. 499,066. THE MALTINE COMPANY, New York, N. Y. Filed Mar. 27, 1946.

MUCIGEL

FOR RECTAL JELLY.
Claims use since Mar. 7, 1946.

Ser. No. 499,124. DISTRIBUTORS INCORPORATED, St. Paul, Minn. Filed Mar. 28, 1946.

Deedeth

FOR INSECTICIDE.
Claims use since Mar. 1, 1946.

Ser. No. 499,200. BOURJOIS, INC., New York, N. Y. Filed Mar. 29, 1946.

ENDEARING

FOR PERFUME, EAU DE COLOGNE, TOILET WATER, BATH POWDER, AND FACE POWDER.
Claims use since Mar. 14, 1946.

Ser. No. 499,998. FORT DODGE LABORATORIES, INC., Fort Dodge, Iowa. Filed Apr. 11, 1946.

NITROSE

FOR COLIC ANTIDOTE FOR VETERINARY USE.
Claims use since October 1937.

Ser. No. 500,000. FORT DODGE LABORATORIES, INC., Fort Dodge, Iowa. Filed Apr. 11, 1946.

TARTAGEN

FOR DRENCH FOR VETERINARY USE.
Claims use since June 1940.

Ser. No. 500,164. CHEMICAL CONCENTRATES CO., New York, N. Y. Filed Apr. 13, 1946.

TWIN

FOR COMBINATION INSECT REPELLENT AND SUN TAN LOTION.
Claims use since Mar. 1, 1946.

Ser. No. 500,214. RICHARD D. HANISH, doing business as R. D. Hanish Company, Columbus, Ohio. Filed Apr. 15, 1946.

VITAFILM

FOR DRESSING COMPOUND FOR CLEANING AND PRESERVING MOTION PICTURE AND OTHER CAMERA FILM, NEGATIVES, AND PRINTS.
Claims use since January 1938.

Ser. No. 500,370. J. V. CORDES, doing business as Shield Laboratories, Detroit, Mich. Filed Apr. 17, 1946.

RIASOL

FOR PREPARATION FOR THE TREATMENT OF PSORIASIS.
Claims use since June 30, 1940.

Ser. No. 501,005. POOR & COMPANY, Chicago, Ill. Filed Apr. 26, 1946.

Prosalt

FOR ADDITION AGENT FOR COPPER CYANIDE PLATING SOLUTIONS INTENDED TO REDUCE POLARIZATION WHICH IN TURN MAKES HEAVIER DEPOSITS POSSIBLE, AND TO IMPROVE THE GRAIN STRUCTURE OF THE DEPOSIT.
Claims use since Feb. 8, 1946.

Ser. No. 501,062. ALFRED A. FLASTER, New York, N. Y. Filed Apr. 27, 1946.

MY REPUTATION

FOR PERFUME, TOILET WATER, EAU DE COLOGNE, AND NAIL POLISH.
Claims use since Jan. 2, 1946.

Ser. No. 501,077. RAPHAEL LOPEZ, Paris, France. Filed Apr. 27, 1946.

RÉPLIQUE

FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since June 1, 1945.

Ser. No. 501,121. THE DRUG PRODUCTS CO., INC., Long Island City, N. Y. Filed Apr. 29, 1946.

KETOX

FOR MEDICINAL TABLETS USED AS A CHOLERETIC IN FUNCTIONAL HEPATIC INSUFFICIENCY, INTESTINAL STASIS AND CONSTIPATION ASSOCIATED WITH DEFICIENT BILE SECRETION.
Claims use since July 2, 1945.

Ser. No. 501,122. THE DRUG PRODUCTS CO., INC., Long Island City, N. Y. Filed Apr. 29, 1946.

CALFOID

FOR MEDICINAL PREPARATION FOR SUPPLYING CALCIUM AND VITAMIN D IN WATER FORM.
Claims use since June 1, 1945.

Ser. No. 501,276. HELENE PESSL, INC., New York, N. Y. Filed May 1, 1946.

Young Lad

FOR TOOTH PASTE, SHAMPOO, HAIR LOTION, AND PINE BATH FOAM.
Claims use since Dec. 12, 1945.

Ser. No. 501,482. E. R. SQUIBB & SONS, New York, N. Y. Filed May 4, 1946.

DRINALFA

FOR SYMPATHOMIMETIC PREPARATIONS.
Claims use since Apr. 23, 1946.

Ser. No. 502,666. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed May 23, 1946.

SOVAC

FOR INSECTICIDES AND FOR A WATER SOLUBLE COMPOUND USED TO PREVENT RUST AND CORROSION OF WATER COOLING SYSTEMS.
Claims use since Mar. 14, 1945.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 481,142. HAGERTY BROTHERS, Detroit, Mich. Filed Mar. 21, 1945.

MACHADOR

FOR CIGARETTE AND CIGAR CASES.
Claims use since Mar. 24, 1940.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 494,760. THE L. C. SMITH GUN COMPANY, INCORPORATED, Fulton, N. Y. Filed Jan. 14, 1946. Under 10 year proviso.

L. C. SMITH

FOR GUNS AND PARTS THEREOF.
Claims use since 1893.

Ser. No. 498,478. AERIAL PRODUCTS, INC., Merrick, Long Island, N. Y. Filed Mar. 19, 1946.

DAYNITE

FOR FLARES FOR LIGHTING, SIGNAL, AND OTHER PURPOSES.
Claims use since Nov. 16, 1945.

CLASS 10

FERTILIZERS

Ser. No. 501,997. MCCORMICK & CO., INCORPORATED, Baltimore, Md. Filed May 13, 1946.

HY-GRO

The word "Gro" is claimed only in the association shown.
FOR PLANT FOOD.
Claims use since Mar. 19, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 492,742. SERVICISED PRODUCTS CORPORATION, Chicago, Ill. Filed Dec. 5, 1945.

Bāseal

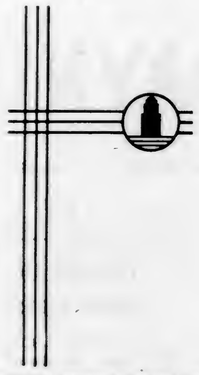
FOR MATERIAL FOR SEALING AND WATERPROOFING THE BOTTOM OF LATERAL EXPANSION JOINTS IN CONCRETE ROADWAYS AND FOR SEALING JOINTS IN OTHER STRUCTURAL UNITS.
Claims use since Sept. 1, 1945.

Ser. No. 494,356. OHIO TAR & ASPHALT, INC., Canton, Ohio. Filed Jan. 5, 1946.

WEATHERALL

FOR MOISTURE CONDITIONED LIQUID ASPHALT FOR ROAD PAVING MATERIAL.
Claims use since Nov. 29, 1945.

Ser. No. 506,546. PERMANENTE CEMENT COMPANY, Oakland, Calif. Filed July 30, 1946.



FOR PLASTIC MONOLITHIC REFRACTORIES USED AS A RAMMING, SPRAYING AND PATCHING MATERIAL FOR INDUSTRIAL FURNACES OR AS A BONDING MORTAR IN THE CONSTRUCTION AND REPAIR THEREOF.
Claims use since Nov. 11, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 496,450. KOONS-BEEBE ASSOCIATES INC., New York, N. Y. Filed Feb. 12, 1946.

DIAL-O-MATIC

The word "Dial" is disclaimed apart from the mark.
FOR NON-ELECTRICAL PRESSURE COOKERS MADE OF BASE METAL.
Claims use since February 5, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 492,318. ELECTRO MANGANESE CORPORATION, Knoxville, Tenn. Filed Nov. 28, 1945.

ELMANCO

FOR METALLIC MANGANESE—NAMELY, MANGANESE PRODUCED BY THE ELECTROWINNING THEREOF FROM MANGANESE ORES.
Claims use since June 23, 1945.

Ser. No. 493,860. VAN SYOC INDUSTRIES, Detroit, Mich. Filed Dec. 22, 1945.

SYCOLOY

FOR RUST-PROOF ALLOY OF LEAD, TIN, AND BISMUTH FOR USE IN PREPARING A PROTECTIVE COATING BY HOT DIPPING.
Claims use since July 1943.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 491,420. THE MARTIN-SENOUR COMPANY, Chicago, Ill. Filed Nov. 10, 1945.

MIX-EX

The word "Mix" is disclaimed apart from the mark.
FOR PAINTS IN DRY, PASTE, OR READY-MIXED FORM, AND PAINT ENAMELS.
Claims use since June 20, 1945.

Ser. No. 494,051. FLOQUIL PRODUCTS, INC., New York, N. Y. Filed Dec. 29, 1945.

Floquil

FOR STAINS, VARNISHES, LACQUERS, PAINT ENAMELS, PIGMENTS IN DRY AND PASTE FORM, CLEAR AND PIGMENTED SYNTHETIC RESIN PROTECTIVE COATING MATERIALS, GLAZE FINISHES, AND THINNERS THEREFOR.
Claims use since Jan. 16, 1941.

Ser. No. 494,072. INGRAM CHEMICAL LABORATORIES, Chicago, Ill. Filed Dec. 29, 1945.

Repelo-Kote

No claim is made to the word "Kote" apart from the mark.
FOR READY-MIXED INTERIOR AND EXTERIOR PAINTS—NAMELY, SCREEN FINISH AND TRANSPARENT WALL FINISH.
Claims use since Nov. 15, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 479,786. ELECTROLUX CORPORATION, New York, N. Y. Filed Feb. 14, 1945.

ELECTROGUARD

FOR SYNCHRONOUS ELECTRIC MOTORS AND CONTROL APPARATUS THEREFOR—NAMELY, SWITCHES, CONNECTIONS, AND WIRING CIRCUITS.
Claims use since July 6, 1944.

Ser. No. 488,407. KEMET LABORATORIES COMPANY, INC., New York, N. Y. Filed Sept. 13, 1945.

KIC

FOR GETTERS FOR USE IN ELECTRONIC DEVICES.
Claims use since June 1939.

Ser. No. 491,947. LELAND J. ARMS, San Francisco, Calif. Filed Nov. 21, 1945.

Vocal Autograph

The word "Vocal" is disclaimed apart from the mark.
FOR SOUND RECORDINGS OF THE MAGNETIZED WIRE TYPE.
Claims use since Oct. 29, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 491,300. WYNNE PRECISION COMPANY, Griffin, Ga. Filed Nov. 8, 1945.



The picture of the head of the man is purely fanciful. No claim is made to the word "Fisherman" apart from the mark.
FOR FISHING TACKLE—NAMELY, FLY BOOKS, REELS, RODS, LINES, LEADERS, HOOKS, SPINNERS, FISH LURES, BAITS, CREELS, NETS, STRINGERS, SINKERS, FLOATS, CHAMOIS WIGGLERS, AND VICES.
Claims use since Sept. 27, 1945.

Ser. No. 493,008. IDA S. HUSTER, Los Angeles, Calif. Filed Dec. 10, 1945.

Dream Awhile

FOR DOLL FURNITURE AND FURNISHINGS—TO-WIT, BEDS, DRESSERS, CHAIRS, CHAISE LONGUES, STOOLS, COUCHES, SOFAS, RUGS, BEDDING, DRESSING TABLES, AND DRAPERIES.
Claims use since Mar. 15, 1945.

Ser. No. 497,501. CHARLES SHARPE, Detroit, Mich. Filed Mar. 1, 1946.

ALFOR

FOR ARTIFICIAL FISH LURES.
Claims use since Feb. 16, 1946.

Ser. No. 499,179. THE WEEZEL BAIT COMPANY, Cincinnati, Ohio. Filed Mar. 28, 1946.

Sky-clear

No claim is made to the exclusive right to the use of the word "clear" apart from the mark.
FOR FISHING LEADERS.
Claims use since Oct. 4, 1945.

Ser. No. 504,972. JOHN R. GOODLAD, Madison, Wis. Filed July 2, 1946.

GOODLAD'S "BLURP"

No claim is made to the word "Goodlad's" apart from the mark.
FOR FISH LURES.
Claims use since 1930.

Ser. No. 507,692. CHARLES A. RAINEY, Washington, D. C. Filed Aug. 20, 1946.

ROOKIE BALL

Applicant disclaims exclusive right to the use of the word "Ball" apart from the mark.
FOR GAME PLAYED WITH A BAT AND A BALL.
Claims use since June 10, 1946.

Ser. No. 507,953. MURRAY WINKLER, New York, N. Y. Filed Aug. 23, 1946.

RECONVERSION

FOR CARD GAMES.
Claims use since July 8, 1946.

Ser. No. 508,227. KENNEDY-WARREN MANUFACTURING COMPANY, INC., Piqua, Ohio. Filed Aug. 29, 1946.

KEN-GUN

No claim is made to the word "Gun" apart from the mark.
FOR TOY GUNS.
Claims use since Mar. 1, 1946

Ser. No. 509,108. JACOB STEINMANN, Philadelphia, Pa. Filed Sept. 14, 1946.

KALLUKI

FOR PLAYING CARDS AND CARD GAMES.
Claims use since Aug. 12, 1946.

Ser. No. 509,633. VERDELLE CLARK, Presque Isle, Maine. Filed Sept. 24, 1946.

"CHOCOLATE SOLDIER"

FOR ARTIFICIAL FISHING FLIES.
Claims use since June 1941.

Ser. No. 509,634. VERDELLE CLARK, Presque Isle, Maine. Filed Sept. 24, 1946.

"SPOT-EYED"

FOR ARTIFICIAL FISHING FLIES.
Claims use since June 1941.

Ser. No. 509,707. STEN JOHANSON, New York, N. Y. Filed Sept. 25, 1946.

BUBBLEGUN

FOR SOAP BUBBLE BLOWERS.
Claims use since July 21, 1946.

Ser. No. 509,983. THE B. F. GOODRICH COMPANY, Akron, Ohio. Filed Sept. 30, 1946.

Koroseal

FOR COLLAPSIBLE PLAY PONDS.
Claims use since Aug. 19, 1946.

Ser. No. 510,095. BENJAMIN M. MARTIN, New York, N. Y. Filed Oct. 2, 1946.

Concentration

FOR GAME PLAYED WITH CARDS.
Claims use since Aug. 26, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 481,038. YOUNG RADIATOR COMPANY, Racine, Wis. Filed Mar. 17, 1945.

QUAD

FOR AIR COOLED CHIMNEY TYPE HEAT EXCHANGERS, FOR COOLING OF WATER, CONDENSING STEAM, AND COOLING OIL.
Claims use since May 1942.

Ser. No. 488,004. SPIEGEL, INC., Chicago, Ill. Filed Sept. 5, 1945.

HARVEST KING

FOR CATTLE FEED MIXERS, CEMENT MIXERS, HAMMER-MILLS, SAW FRAMES, SEED GRATERS AND CLEANERS, CORN SHELLERS, BLOWER AND CONVEYER TYPE GRAIN ELEVATORS, LIME AND FERTILIZER SPREADERS, MANURE LOADERS, HAY LOADERS, PLOWS, HARROWS, CULTIVATORS, LIFTING SCOOPS, AND FRESNO TYPE ROTARY SCRAPERS.
Claims use since January 1945.

Ser. No. 490,630. BOND FOUNDRY AND MACHINE COMPANY, Manheim, Pa. Filed Oct. 29, 1945.

Bond

FOR STEEL BENCH LEGS FOR WORK BENCHES AND FOR WORK TABLES.
Claims use since Nov. 6, 1931.

Ser. No. 493,995. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., and St. Louis, Mo. Filed Dec. 29, 1945.

NBM

FOR DRIVING BOX BEARINGS: ROD BRASSES AND BUSHINGS; CROSSHEAD SHOES; PEDESTAL SHOES AND WEDGES; STEEL MILL PARTS—NAMELY, BEARINGS AND CASTINGS; AND MISCELLANEOUS FINISHED BRASS, BRONZE, COPPER, AND ALUMINUM MACHINE PARTS AND CASTINGS, FOR MACHINES OF VARIOUS DESCRIPTIONS AND WHICH ARE SOLD IN LOTS TO THE TRADE.
Claims use since October 1943.

Ser. No. 494,565. MARKWELL MFG. CO., INC., New York, N. Y. Filed Jan. 10, 1946.

FLYWEIGHT

FOR STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS AND METAL TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND METAL, ON TO WOOD.
Claims use since Dec. 17, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 479,493. PRECISION THERMOMETER AND INSTRUMENT CO., Philadelphia, Pa. Filed Feb. 6, 1945.

MAGNA-SET

No claim is made to the word "Set" per se, apart from the mark.
FOR THERMO-REGULATORS.
Claims use since June 1941.

Ser. No. 479,494. PRECISION THERMOMETER AND INSTRUMENT CO., Philadelphia, Pa. Filed Feb. 6, 1945.

MERCUTHAL

FOR THERMOMETERS, THERMOSTATS, AND THERMO-REGULATORS.
Claims use since July 1943.

Ser. No. 500,354. BAKER & CO., INC., Newark, N. J. Filed Apr. 17, 1946.

DEOXO

FOR INDICATOR OF OXYGEN CONTENT OF GASES.
Claims use since Jan. 3, 1945.

Ser. No. 500,588. VOGUE OPTICAL MFG. COMPANY, New York, N. Y. Filed Apr. 19, 1946.

DAUPHIN

FOR OPTICAL FRAMES.
Claims use since Feb. 15, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 488,618. SCHILD & CO. SOCIETE ANONYME, La Chaux de Fonds, Switzerland. Filed Sept. 17, 1945.

ORATOR

FOR WATCHES, PARTS OF WATCHES AND WATCH CASES.
Claims use since Jan. 3, 1919.

Ser. No. 490,202. MONTRES CHOISI S. A., Locarno, Switzerland. Filed Oct. 19, 1945.

Choisi
SUISSE

The word "Suisse" is disclaimed apart from the mark.
FOR CLOCKS, WATCHES, WATCH CASES, MOVEMENTS AND WATCH PARTS.
Claims use since 1942.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 474,834. MARIE SLADER, Farmingdale, Long Island, N. Y. Filed Oct. 2, 1944.

FLEXIBAND

The drawing is lined for shading only. No claim is made to the representation of the goods shown.
FOR WATCH BANDS MADE OF NON-PRECIOUS METAL, NOT INCLUDING WATCHES.
Claims use since Aug. 7, 1944.

Ser. No. 491,112. NATIONAL SILVER COMPANY, New York, N. Y. Filed Nov. 5, 1945.



FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since Mar. 15, 1939.

Ser. No. 505,639. WERNER FINK, Long Branch, N. J. Filed July 15, 1946.

DUCHESS

FOR PEARLS AND JEWELRY FOR PERSONAL ADORNMENT (NOT INCLUDING WATCHES).
Claims use since August 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 497,918. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Mar. 9, 1946. Under section 5b of the act of 1905 as amended in 1920.

COLGATE

FOR TOOTH BRUSHES.
Claims use since 1937.

Ser. No. 501,012. I. SEKINE COMPANY, INC., New York, N. Y. Filed Apr. 26, 1946.

DURALON

FOR TOOTHBRUSHES.
Claims use since October 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 491,377. YANKEE BUTLER COMPANY, Port Washington, N. Y. Filed Nov. 9, 1945.

George
"THE YANKEE BUTLER"

FOR PORTABLE BUFFETS.
Claims use since Aug. 29, 1945.

Ser. No. 492,344. SPIEGEL, INC., Chicago, Ill. Filed Nov. 28, 1945.

Slumbertime

FOR MATTRESSES.
Claims use since August 1945.

Ser. No. 507,467. ERO MANUFACTURING CO., Chicago, Ill. Filed Aug. 15, 1946.

Relaxon

FOR HASSOCKS.
Claims use since August 1938.

Ser. No. 508,641. AMERICAN SEATING COMPANY, Grand Rapids, Mich. Filed Sept. 7, 1946.

Avion

FOR THEATRE CHAIRS.
Claims use since Oct. 4, 1938.

Ser. No. 509,961. SEALY, INCORPORATED, Chicago, Ill. Filed Sept. 28, 1946.

Goldie Locks

FOR CRIB MATTRESSES.
Claims use since January 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 505,089. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed July 3, 1946.

UNITENSION

FOR WIRE REINFORCED HOSE COMPRISING RUBBER AND FABRIC FOR ROTARY DRILLING OF OIL WELLS.
Claims use since Aug. 17, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 499,785. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Apr. 6, 1946.

IMPERIAL

FOR BUTCHERS' WRAPPING PAPER.
Claims use since Feb. 27, 1939.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 486,737. ARCADY FARMS MILLING COMPANY, Chicago, Ill. Filed Aug. 6, 1945.



No exclusive right to the phrase "The Editors Column" is claimed apart from the mark.
FOR COLUMN OR SECTION IN A PERIODICALLY ISSUED, PRINTED PUBLICATION.
Claims use since June 25, 1945.

Ser. No. 491,539. ALPHA EPSILON DELTA, Detroit, Mich. Filed Nov. 14, 1945.

The SCALPEL

FOR OFFICIAL PUBLICATION OF THE FRATERNITY.
Claims use since Jan. 1, 1931.

Ser. No. 501,493. BOOSEY AND HAWKES, INC., New York, N. Y. Filed May 6, 1946.



FOR MUSICAL PUBLICATIONS.
Claims use since Jan. 1, 1946.

Ser. No. 501,642. CORNELL PUBLISHING CORP., New York, N. Y. Filed May 8, 1946.

MILLIE
the MODEL
COMICS

Applicant disclaims the word "Comics."
FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.
Claims use since July 1945.

Ser. No. 501,701. WESTERN FICTION PUBLISHING CO., INC., New York, N. Y. Filed May 8, 1946.

ALL
WINNERS
COMICS

Applicant disclaims the word "Comics."
FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.
Claims use since May 21, 1941.

Ser. No. 501,737. JOSEPH L. HARRIS, Brighton, Mass. Filed May 9, 1946.

PORTAFLASH

FOR PORTRAIT PHOTOGRAPHS.
Claims use since Apr. 2, 1946.

Ser. No. 501,801. ESQUIRE, INC., Chicago, Ill. Filed May 9, 1946.

Moment

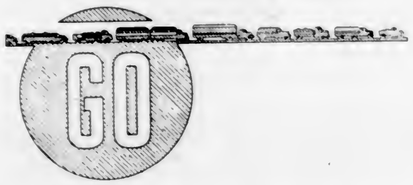
FOR PERIODICAL PUBLICATION.
Claims use since February 1946.

Ser. No. 501,982. HALL BROTHERS, INCORPORATED, Kansas City, Mo. Filed May 13, 1946.

DAZY

FOR GREETING CARDS.
Claims use since Apr. 23, 1945.

Ser. No. 507,909. E. A. HILLS, doing business as Associations Publishing Company, San Francisco, Calif. Filed Aug. 23, 1946.



The drawing is lined to denote the color green.
FOR MONTHLY MAGAZINE DEVOTED TO THE TRUCKING INDUSTRY.
Claims use since Mar. 1, 1941.

CLASS 39

CLOTHING

Ser. No. 484,409. THE KAYNEE COMPANY, Cleveland, Ohio. Filed June 11, 1945.

SANVARAY

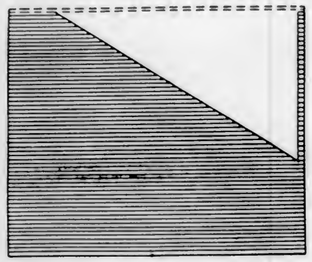
FOR BLOUSES, SHIRTS, AND SPORT SHIRTS FOR BOYS AND GIRLS.
Claims use since May 16, 1945.

Ser. No. 489,368. SUPAK & SONS, Minneapolis, Minn. Filed Oct. 3, 1945.

Weather Winky

FOR SNOW SUITS AND MACKINAWS, AND ADULTS' AND CHILDREN'S SKI PANTS.
Claims use since July 10, 1944.

Ser. No. 490,063. BERTICE PAULINE GARRISON, doing business as Paula Garrison, Seattle, Wash. Filed Oct. 17, 1945.



The drawing is lined for blue.
FOR DRESSES, NIGHT GOWNS, PAJAMAS, SLEEPCOATS, BED JACKETS, NIGHT SHIRTS, HOUSECOATS, HOSPITAL COATS, SLEEPING SHORTS, LOUNGING ROBES, PLAY SUITS, SUN SUITS, ROMPERS, AND SUITS, FOR MEN, WOMEN, AND CHILDREN.
Claims use since Aug. 20, 1934.

Ser. No. 492,179. VIRGINIA COBB, Birmingham, Ala. Filed Nov. 26, 1945.

BIRTHDAY

FOR CHILDREN'S AND MISSES' OVERALLS, DRESSES, AND PINAFORES.
Claims use since Nov. 20, 1945.

Ser. No. 497,688. ROTHERMEL WISE, doing business as Cinderella Knitting Mill, Reamstown, Pa. Filed Mar. 5, 1946.



FOR MEN'S AND BOYS' ATHLETIC SHORTS.
Claims use since Feb. 21, 1946.

Ser. No. 497,776. ALDO BRUZZICHELLI CO., New York, N. Y. Filed Mar. 7, 1946.

Bernardo sandals

Applicant disclaims sole use of the word "Sandals" apart from the mark.
FOR LEATHER AND FABRIC SANDALS.
Claims use since Feb. 28, 1946.

Ser. No. 498,654. A. SANDLER CO., Boston Mass. Filed Mar. 20, 1946.



FOR SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR WOMEN, MISSES, AND CHILDREN.
Claims use since Feb. 20, 1946.

Ser. No. 498,717. SHERRY TOGS MFG. CO., Scranton, Pa., and New York, N. Y. Filed Mar. 21, 1946.

PICTURE BOOK PRETTIES

Applicant disclaims the right to the exclusive use of the word "Pretties."
FOR CHILDREN'S DRESSES, PINAFORES, AND ROMPERS; AND BOYS' SUITS.
Claims use since January 1945.

Ser. No. 498,795. PARK ROYAL HAT COMPANY, Baltimore, Md. Filed Mar. 22, 1946.



FOR MEN'S STRAW HATS AND FUR FELT HATS.
Claims use since Jan. 15, 1946.

Ser. No. 498,909. MARILYN JOY INC., New York, N. Y. Filed Mar. 25, 1946.

Marilyn Joy

The mark consists of the facsimile signature of the given and middle name signature of Marilyn Joy Weiss, daughter of Estelle Weiss, president of applicant corporation.
FOR GIRLS', MISSES' AND JUNIOR AND WOMEN'S DRESSES.
Claims use since January 1945.

Ser. No. 500,083. THE JUDY JIM SHOP, Orlando, Fla. Filed Apr. 12, 1946.

Judy Jim

FOR INFANTS' AND CHILDREN'S DRESSES, SUNDRESSES, COATS, PINAFORES, SUITS, BONNETS, PANTIES, SLIPS, AND HALF PETTICOATS.
Claims use since Dec. 1, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 486,589. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name to Dan River Mills, Incorporated. Filed Aug. 1, 1945.

SLEEPKOOLIE

FOR WOVEN TEXTILE FABRICS IN THE PIECE COMPOSED OF COTTON, RAYON, WOOL, OR MIXTURES THEREOF.
Claims use since June 28, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 502,046. THE WALLACE CORPORATION, St. Louis County, Mo. Filed May 13, 1946.

ACME

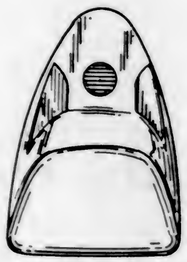
FOR TOOTH PICKS.
Claims use since July 1940.

Ser. No. 502,047. THE WALLACE CORPORATION, St. Louis County, Mo. Filed May 13, 1946.

DAISY

FOR TOOTH PICKS.
Claims use since July 1940.

Ser. No. 509,836. FEL-POR DENTAL PRODUCTS, INC., Chicago, Ill. Filed Sept. 27, 1946.



The drawing is lined for blue. No claim is made to the illustration of the tooth apart from the mark.
FOR ARTIFICIAL TEETH.
Claims use since Aug. 1, 1945.

Ser. No. 510,261. MACHLETT LABORATORIES INCORPORATED, Springdale, Conn. Filed Oct. 4, 1946.

AEROMAX

FOR X-RAY TUBES AND HOUSINGS THEREFOR USED FOR DIAGNOSTIC, THERAPEUTIC, AND RADIOGRAPHIC PURPOSES.
Claims use since 1940.

Ser. No. 510,262. MACHLETT LABORATORIES INCORPORATED, Springdale, Conn. Filed Oct. 4, 1946.

THERMAX

FOR X-RAY TUBES AND HOUSINGS THEREFOR USED FOR DIAGNOSTIC, THERAPEUTIC, AND RADIOGRAPHIC PURPOSES.
Claims use since 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 487,941. THE GRAND UNION COMPANY, New York, N. Y. Filed Sept. 4, 1945.

GRAND UNION

Applicant is the owner of Reg. Nos. 46,832 (renewed); 52,325 (renewed); 64,732 (renewed); 65,503 (renewed); and 69,845 (renewed).
FOR COFFEE, SPICES, COCOA, PREPARED MUSTARD, PEPPER, FOOD FLAVORING EXTRACTS; CANNED VEGETABLES—NAMELY, ASPARAGUS, BEANS, BEETS, CORN, PEAS, PUMPKIN, SAUERKRAUT, SPAGHETTI, SWEET POTATOES, AND TOMATOES; GELATIN POWDER, PEANUT BUTTER, BAKING POWDER, RICE, PIE FILLER, PUDDING DESSERT, CORN STARCH, MIXED PICKLING SPICE, SYRUP MIX FOR PANCAKES, ICE CREAM, CANDIES, CAKE, FROSTINGS, WAFFLES, AND PUDDINGS; CANNED FRUIT—NAMELY, APPLESAUCE, APRICOTS, CHERRIES, GRAPEFRUIT, PEACHES, PEARS, PINEAPPLE, RASPBERRIES, FRUIT COCKTAIL, AND FRUITS FOR SALAD; CANNED FISH—NAMELY, SALMON, SHRIMP, AND TUNA FISH; SALT; CANNED FRUIT JUICES—NAMELY, GRAPEFRUIT JUICE AND PINEAPPLE JUICE; CANNED TOMATO JUICE, KETSUP, MINCE MEAT, TAPIOCA, CHILI SAUCE, COOKIES, CRACKERS, PANCAKE FLOUR, SOUP MIX, AND DEVIL'S FOOD CAKE MIX.
Claims use since about 1888 in respect of coffee, spices, cocoa, prepared mustard, pepper, and flavoring extracts; since about 1919 in respect of canned vegetables, gelatin powder, and peanut butter; since about 1922 in respect of making powder, rice, pie filler, pudding dessert, and corn starch; since about 1924 in respect of mixed pickling spices and syrup mix; since about 1926 in respect of canned fruit and canned fish; since about 1931 in respect of salt; since about 1934 in respect of canned fruit juices, canned tomato juice, ketsup, and mince meat; since about 1937 in respect of tapioca; since 1939 in respect of chili sauce; since 1941 in respect of cookies and crackers; since 1942 in respect of pancake flour and soup mix; and since July 1945 in respect of devil's food cake mix.

Ser. No. 492,970. TAMAR KOSHER PROVISIONS DISTRIBUTORS, INC., New York, N. Y. Filed Dec. 8, 1945.

TAMAR

FOR KOSHER CANNED FOODS—NAMELY, CANNED CORNED BEEF, GOULASH, BREAST OF CHICKEN, HAMBURGER STEAK, BEEF BRISKET, BREAST OF TURKEY, BONED TURKEY, FRICASSEE TURKEY AND CHICKEN, JELLIED BEEF FEET, LIVER SPREAD AND CANNED MEAT AND CHICKEN SOUP.
Claims use since April 1941.

Ser. No. 499,857. FINIS L. RAGSDALE, Everett, Wash. Filed Apr. 8, 1946.



No claim is made to the word "Donut" or to the representation of a doughnut apart from the mark.
FOR DOUGHNUTS.
Claims use since Feb. 16, 1946.

Ser. No. 500,239. PAUL VINCENT MURPHY, doing business as Sno-Vel Co., San Francisco, Calif. Filed Apr. 15, 1946.

SNO-VEL

FOR PASTRY DOUGH.
Claims use since Mar. 5, 1946.

Ser. No. 502,582. INNESS BROS., Kansas City, Mo. Filed May 22, 1946.

TEXAS SWEETHEART

The word "Texas" is disclaimed apart from the combination "Texas Sweetheart."
FOR WATERMELONS.
Claims use since May 20, 1946.

Ser. No. 502,800. CALTONE CORPORATION, Anaheim, Calif. Filed May 27, 1946.

BIG 5

FOR CANNED BLEND OF FRUIT JUICES CONSISTING OF ORANGE, LEMON, GRAPEFRUIT, LIME, AND PEACH PUREE, FOR FOOD PURPOSES.
Claims use since Apr. 15, 1946.

Ser. No. 503,144. NICK S. VEDROS, Kansas City, Kans. Filed May 31, 1946.

NICK'S

FOR BARBECUE SAUCE.
Claims use since Jan. 1, 1946.

CLASS 47

WINES

Ser. No. 481,442. SINCLAIR & CIA. SOCIEDAD DE RESPONSABILIDAD LIMITADA, Buenos Aires, Argentine Republic. Filed Mar. 28, 1945.

BRUYÈRE

FOR CHAMPAGNE AND OTHER WINES.
Claims use since Sept. 9, 1941.

Ser. No. 487,282. SOCIETY OF THE DIVINE WORD, doing business as O-Neh-Da Vineyard, Conesus, N. Y. Filed Aug. 18, 1945.

St. Michael's Vineyards

Applicant disclaims the exclusive use of the word "vineyards" apart from the mark.
FOR WINE.
Claims use since June 1, 1945.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 469,324. COMPANIA IMPORTADORA LA VINATERA, S. A., Havana, Cuba. Filed Apr. 14, 1944.

Titán

The mark consists of the word "Titán."
FOR BRANDY.
Claims use since Mar. 10, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 26, 1943

425,485. NATURAL AND SYNTHETIC PLASTIC COMPOSITIONS IN SHEET, ROD OR TUBE FORM FROM WHICH FINISHED ARTICLES ARE MANUFACTURED, ETC. ALBERT C. FISCHER, doing business as Servicised Products Company, Chicago, Ill.

Filed April 12, 1943. Serial No. 459,805. PUBLISHED SEPTEMBER 3, 1946. Class 1.

425,486. MEDICAL COMPOSITION CONTAINING VITAMINS, MINERALS, AND LACTOSE. CALVITAL COMPANY, New York, N. Y.

Filed May 13, 1943. Serial No. 460,594. PUBLISHED AUGUST 27, 1946. Class 6.

425,487. COHESIVE WEBBING COMPRISING NON-ELASTIC BANDAGE MATERIAL WHICH DRY SEALS TO ITSELF. FREDA C. RATH, doing business as Plastex Company, Chicago, Ill.

Filed July 12, 1943. Serial No. 462,028. PUBLISHED DECEMBER 7, 1943. Class 44.

425,488. WATCHES AND CLOCKS. INVICTA-SEELAND, INC., New York, N. Y.

Filed March 4, 1944. Serial No. 467,974. PUBLISHED AUGUST 20, 1946. Class 27.

425,489. GOLF BALLS AND SAVINGS BANKS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.

Filed March 27, 1944. Serial No. 468,731. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,490. GOLF BALLS. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla.

Filed April 13, 1944. Serial No. 469,307. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,491. COSMETIC KITS CONTAINING THE FOLLOWING: FOUNDATION LOTION, SKIN FRESHENER, BEAUTY CAKE MAKE-UP, ETC. RICHARD HUDNUT, New York, N. Y.

Filed September 7, 1944. Serial No. 473,945. PUBLISHED SEPTEMBER 3, 1946. Class 50.

425,492. ELECTRICAL FREQUENCY DETECTING OR MEASURING EQUIPMENT, COMPRISING ELECTRONIC DEVICES AND A CATHODE RAY DISPLAY SCREEN TO INDICATE A DETECTED OR MEASURED FREQUENCY. PANORAMIC RADIO CORPORATION, New York, N. Y., and elsewhere.

Filed October 7, 1944. Serial No. 475,066. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,493. ELECTRICAL FREQUENCY DETECTING OR MEASURING EQUIPMENT, COMPRISING ELECTRONIC DEVICES AND A CATHODE RAY DISPLAY SCREEN TO INDICATE A DETECTED OR MEASURED FREQUENCY. PANORAMIC RADIO CORPORATION, New York, N. Y., and elsewhere.

Filed October 7, 1944. Serial No. 475,067. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,494. ELECTRICAL FREQUENCY DETECTING OR MEASURING EQUIPMENT, COMPRISING ELECTRONIC DEVICES, ETC. PANORAMIC RADIO CORPORATION, New York, N. Y., and elsewhere.

Filed October 7, 1944. Serial No. 475,068. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,495. ELECTRICAL FREQUENCY DETECTING OR MEASURING EQUIPMENT COMPRISING ELECTRONIC DEVICES, ETC. PANORAMIC RADIO CORPORATION, New York, N. Y., and elsewhere.

Filed October 7, 1944. Serial No. 475,069. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,496. HARDENING AND WATERPROOFING POWDERED COMPOSITION FOR HYDRAULIC MIXES, COMPRISING COMMINUTED METALLIC FERROUS AGGREGATE, DRY EARTH COLORS AND PORTLAND CEMENT. L. SONNEBORN SONS, INC., New York, N. Y.

Filed November 24, 1944. Serial No. 476,852. PUBLISHED SEPTEMBER 3, 1946. Class 12.

425,497. OUTER CASINGS OF SHIPS PATENT LOGS. FOLLSAIN METALS LTD., Lutterworth, near Rugby, England.

Filed December 15, 1944. Serial No. 477,606. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,498. CREME SHAMPOO. RAYMOND LABORATORIES, INC., St. Paul, Minn., assignor to The Empire National Bank and Trust Company of St. Paul, St. Paul, Minn.

Filed December 16, 1944. Serial No. 477,666. PUBLISHED MARCH 6, 1945. Class 6.

425,499. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.

Filed January 6, 1945. Serial No. 478,355. PUBLISHED FEBRUARY 27, 1945. Class 44.

425,500. PAPER AND CLOTH TAPES AND SHEETS COATED ON THE BACK WITH A PRESSURE-SENSITIVE ADHESIVE COATING, ETC. CHICAGO SHOW PRINTING COMPANY, Chicago, Ill.

Filed January 19, 1945. Serial No. 478,784. PUBLISHED SEPTEMBER 3, 1946. Class 37.

425,501. COMPLETE FRAMES FOR WINDOWS AND WINDSHIELDS OF VEHICLES, AND GLAZING STRIPS OF RUBBER FOR FITTING GLASS WINDOW PANES INTO SAID VEHICLE WINDOW AND WINDSHIELD FRAMES. HALLAM, SLEIGH & CHESTON, Birmingham, England.

Filed February 2, 1945. Serial No. 479,342. PUBLISHED AUGUST 6, 1946. Class 19.

425,502. BONE FLOUR COMPRESSED OR IN GRANULAR FORM FOR USE AS A DIETARY SUPPLEMENT FOR DOMESTIC ANIMALS. NUTRITIONAL METALS CORP., Hasbrouck Heights, N. J.

Filed February 8, 1945. Serial No. 479,595. PUBLISHED JULY 10, 1945. Class 46.

425,503. HAIR OILS, HAIR GROWTH STIMULATORS, AND HAIR LOTIONS. ESTHER SMITH, Cleveland, Ohio.

Filed February 16, 1945. Serial No. 479,904. PUBLISHED AUGUST 20, 1946. Class 6.

425,504. WATCH AND CLOCK MOVEMENTS. LOUIS AISENSTEIN & BROS., New York, N. Y., assignor to Louis Aisenstein & Bros. Inc., New York, N. Y., a corporation of New York.

Filed February 22, 1945. Serial No. 480,098. PUBLISHED AUGUST 20, 1946. Class 27.

425,505. DIHYDRIC ALCOHOL—NAMELY, METHYLPENTANEDIOL. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y.

Filed February 28, 1945. Serial No. 480,313. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,506. ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, ETC. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif.

Filed March 20, 1945. Serial No. 481,096. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,507. ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, ETC. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif.

Filed March 20, 1945. Serial No. 481,097. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,508. ELECTRICAL EQUIPMENT AND PARTS THEREFOR—NAMELY, ELAPSED TIME RECORDERS IN THE FORM OF DEVICES FOR MEASURING THE PASSAGE OF TIME AFTER SIGNALS, ETC. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif.

Filed March 20, 1945. Serial No. 481,098. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,509. MILD ASTRINGENT AND A DRINKING WATER BACTERIOSTAT FOR POULTRY, VACCINES FOR POULTRY AND DOMESTIC ANIMALS, VERMIFUGE FOR DOMESTIC ANIMALS, ETC. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.

Filed April 12, 1945. Serial No. 482,076. PUBLISHED AUGUST 27, 1946. Class 6.

425,510. CLOTHESPINS. LESLIE W. STINNE, doing business as Stindro Manufacturing Company, Dallas, Tex.

Filed April 16, 1945. Serial No. 482,223. PUBLISHED AUGUST 20, 1946. Class 24.

425,511. OINTMENTS FOR USE IN THE TREATMENT AND ALLEVIATION OF BURNS AND SKIN DISEASES. CHATHAM PHARMACEUTICALS, INC., Newark, N. J.

Filed April 21, 1945. Serial No. 482,414. PUBLISHED AUGUST 20, 1946. Class 6.

425,512. OIL BURNING WATER HEATERS. OIL BURNING FURNACES, COOKING STOVES AND RANGES OPERATED EITHER BY GAS OR OIL, COOKING STOVES AND RANGES OPERATED EITHER BY OIL OR ELECTRICITY. MOTOR WHEEL CORPORATION, Lansing, Mich.

Filed April 27, 1945. Serial No. 482,695. PUBLISHED SEPTEMBER 3, 1946. Class 34.

425,513. VITREOUS CHINA DINNERWARE. BUFFALO POTTERY INCORPORATED, Buffalo, N. Y.

Filed April 28, 1945. Serial No. 482,728. PUBLISHED SEPTEMBER 3, 1946. Class 30.

425,514. COMPOSITION CONTAINING CHEMICAL INGREDIENTS FOR STRENGTHENING, STERILIZING, FEEDING, AND PROMOTING THE DEVELOPMENT OF CUT PLANTS AND ADAPTED TO BE ADDED TO WATER IN WHICH THE PLANTS ARE IMMERSED. FLOWER FOODS, INC., Maywood, Ill.

Filed May 11, 1945. Serial No. 483,222. PUBLISHED AUGUST 27, 1946. Class 6.

425,515. MECHANICAL PENCILS, PENCIL LEADS, AND DRAFTING REFILLABLE AND DRAFTING MECHANICAL PENCILS. RITE-RITE MFG. CO., Downers Grove, Ill.

Filed May 15, 1945. Serial No. 483,385. PUBLISHED AUGUST 27, 1946. Class 37.

425,516. PEARL NECKLACES, PEARL EARRINGS, PEARL BRACELETS, PEARL BROOCHES, PEARL RINGS, PEARLS, AND JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES—NAMELY, NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS, ETC. CORO INC., New York, N. Y.

Filed May 16, 1945. Serial No. 483,422. PUBLISHED AUGUST 6, 1946. Class 28.

425,517. PERFUMES AND TOILET WATER. JEAN PATOU, INC., New York, N. Y.

Filed June 12, 1945. Serial No. 484,458. PUBLISHED AUGUST 27, 1946. Class 6.

425,518. CARD GAME. NATHAN AXELROD, San Francisco, Calif.

Filed June 18, 1945. Serial No. 484,659. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,519. MEDICATED HOG OIL FOR TREATMENT OF HOGS TO KILL LICE, MANGE, AND OTHER SKIN DISEASES. CENTRAL PETROLEUM COMPANY, Cleveland, Ohio.

Filed July 13, 1945. Serial No. 485,752. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,520. PERFUMES, COLOGNES, BATH SALTS, DUSTING POWDER, SACHET POWDER, DEODORANT FOR PERSONAL USE, ETC. LINNEA PERFUMES, INC., Chicago, Ill.

Filed July 30, 1945. Serial No. 486,493. PUBLISHED AUGUST 27, 1946. Class 6.

425,521. RESINOUS COATING COMPOSITIONS FOR APPLICATION AS PROTECTIVE COATING MEDIA FOR GOODS TO BE PLACED IN STORAGE, ETC. BETTER FINISHES AND COATINGS, INC., Newark, N. J.

Filed August 3, 1945. Serial No. 486,648. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,522. ADMIXTURE OF VERMICULITE, PORTLAND CEMENT AND A WATER-PROOFING COMPOUND, SAID ADMIXTURE BEING CONTAINED IN BAGS AND OTHER SUITABLE CONTAINERS AND USED FOR INSULATING UNDERGROUND PIPES AGAINST LOSS OF HEAT CONDUCTED THROUGH SAID PIPES. UNIVERSAL ZONOLITE INSULATION CO., Chicago, Ill.

Filed August 3, 1945. Serial No. 486,701. PUBLISHED SEPTEMBER 3, 1946. Class 12.

425,523. BABY WALKERS. THE LA PORTE CORPORATION, Chicago, Ill., and La Porte, Ind.

Filed August 10, 1945. Serial No. 486,995. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,524. PREPARATION FOR THE TREATMENT OF HOGS FOR THUMP, WORMS, LOSS OF APPETITE, SCOURS AND AFTER EFFECT FROM CHOLERA VACCINATION. RICHARD T. ENDICOTT, Pawnee, Okla.

Filed August 17, 1945. Serial No. 487,182. PUBLISHED AUGUST 27, 1946. Class 6.

425,525. SHOWER BATH CURTAINS. STANLEY V. BOLAND, doing business as Boland Manufacturing Company, Chicago, Ill.

Filed August 20, 1945. Serial No. 487,304. PUBLISHED SEPTEMBER 3, 1946. Class 13.

425,526. HAIR WAVING SOLUTIONS. STEPHEN MOLCHAN, doing business as Dobre Products Co., Jersey City, N. J.

Filed August 20, 1945. Serial No. 487,331. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,527. PAPER BAGS. PERFECTION TWINE COMPANY, Camas, Wash., and Portland, Oreg.

Filed August 27, 1945. Serial No. 487,634. PUBLISHED SEPTEMBER 3, 1946. Class 2.

425,528. POWER DRIVEN MECHANICAL WASHERS AND IRONERS. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.

Filed August 27, 1945. Serial No. 487,653. PUBLISHED AUGUST 20, 1946. Class 24.

425,529. DOMESTIC LAUNDRY WASHING AND IRONING MACHINES. GEORGE M. GIBSON, Bellevue, Iowa.

Filed August 29, 1945. Serial No. 487,716. PUBLISHED SEPTEMBER 3, 1946. Class 24.

425,530. CELLULOSE CASINGS AND TUBING USED AS CONTAINERS. THE VISKING CORPORATION, Chicago, Ill.

Filed August 29, 1945. Serial No. 487,744. PUBLISHED SEPTEMBER 3, 1946. Class 2.

425,531. PLASTIC FEEDING SETS CONSISTING OF A SPOON, FORK, PLATE, BOWL, MUG, AND TUMBLER. ZADEK FELDSTEIN CO., INC., New York, N. Y.
Filed August 31, 1945. Serial No. 487,833. PUBLISHED SEPTEMBER 3, 1946. Class 50.

425,532. CHEMICAL PREPARATIONS USED AS RUBBER ACCELERATORS, ANTIOXIDANTS, RESIN TACKIFIERS AND SOLVENTS, ETC. AGAWAM CHEMICALS, INC., West Springfield, Mass.
Filed September 7, 1945. Serial No. 488,074. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,533. PERFUMES. PARFUMERIE FRAGONARD G. FUCHS & CIE, Paris, France.
Filed September 7, 1945. Serial No. 488,120. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,534. SYNTHETIC RESINS FOR USE IN SHRINKAGE CONTROL AND FINISHING OF FABRICS AND TEXTILES. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed September 14, 1945. Serial No. 488,439. PUBLISHED AUGUST 20, 1946. Class 6.

425,535. TIMEPIECES—NAMELY, WATCHES, CLOCKS, MOVEMENTS AND PARTS USED IN WATCHES AND CLOCKS. SOCIETE ANONYME DE LA MANUFACTURE D'HORLOGERIE AUDEMARS PIGUET & CIE, Le Brassus, Switzerland.
Filed September 19, 1945. Serial No. 488,710. PUBLISHED SEPTEMBER 3, 1946. Class 27.

425,536. NAIL ENAMEL, LIPSTICKS, FACE POWDER, AND ROUGE. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed September 22, 1945. Serial No. 488,870. PUBLISHED AUGUST 27, 1946. Class 6.

425,537. UNDERARM DEODORANTS. HIRSCH LABORATORIES, Toledo, Ohio, assignor to McKay Davis Company, Toledo, Ohio, a corporation of Ohio.
Filed September 22, 1945. Serial No. 488,880. PUBLISHED FEBRUARY 19, 1946. Class 6.

425,538. MIRRORED PICTURE FRAMES, MIRRORED BARS, MIRRORED SHOW CASES, MIRRORED END TABLES, AND MIRRORED COUNTER DISPLAY STANDS. ARTHUR BROWN, New York, N. Y.
Filed September 27, 1945. Serial No. 489,036. PUBLISHED SEPTEMBER 3, 1946. Class 32.

425,539. HORSE COLLARS, HALTERS, STRAPS, BRIDLES, AND SADDLES. LICHTENBERGER-FERGUSON COMPANY, Los Angeles, Calif.
Filed September 28, 1945. Serial No. 489,129. PUBLISHED SEPTEMBER 3, 1946. Class 3.

425,540. WHEELED GOODS—NAMELY, BABY WALKERS, TOY PEDAL CARS, SCOOTERS, TOY TRICYCLES, TOY VELOCIPEDES, CHILDREN'S TWO, THREE, AND FOUR WHEELED TOY VEHICLES. THE LA PORTE CORPORATION, Chicago, Ill., and La Porte, Ind.
Filed October 1, 1945. Serial No. 489,224. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,541. CLOTHES WASHING MACHINES. NATIONAL TRADING COMPANY, Hickory, N. C.
Filed October 2, 1945. Serial No. 489,278. PUBLISHED SEPTEMBER 3, 1946. Class 24.

425,542. WATCH BRACELETS, WATCH STRAPS, NECK CHAINS, WATCH CHAINS, SCARF PINS, BRACELETS, BELT BUCKLES, ETC. GEMEX COMPANY, Union, N. J.
Filed October 4, 1945. Serial No. 489,395. PUBLISHED AUGUST 6, 1946. Class 28.

425,543. VEGETABLE AND FLOWER SEEDS. GERMAIN SEED AND PLANT CO., Los Angeles, Calif.
Filed October 6, 1945. Serial No. 489,509. PUBLISHED SEPTEMBER 3, 1946. Class 1.

425,544. PREPARATION FOR USE AS AN ENEMA IN THE TREATMENT OF LOCKED BOWELS, HEMORRHOIDS, SHINGLES, STOMACH DISORDERS, ARTHRITIS, AND RHEUMATISM. LAURETTA G. CHAMBERLIN, Chattanooga, Tenn.
Filed October 9, 1945. Serial No. 489,654. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,545. GLIDER PLANES. LAISTER-KAUFFMANN AIRCRAFT CORPORATION, St. Louis, Mo.
Filed October 13, 1945. Serial No. 489,914. PUBLISHED AUGUST 20, 1946. Class 19.

425,546. DRIED FRUITS, RAISINS, AND CURRANTS. VALLEY VIEW PACKING COMPANY, San Jose, Calif.
Filed October 15, 1945. Serial No. 489,997. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,547. FOOD SUPPLEMENT IN THE FORM OF SMALL BLOCKS CONTAINING BREWER'S YEAST WITH A SALT MIXTURE FOR DOGS AND OTHER SMALL ANIMALS. BRISTOL-MYERS COMPANY, New York, N. Y.
Filed October 19, 1945. Serial No. 490,170. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,548. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, AND ROUGES. COTY, INC., New York, N. Y.
Filed October 25, 1945. Serial No. 490,480. PUBLISHED MARCH 26, 1946. Class 6.

425,549. THIN TRANSPARENT OR TRANSLUCENT SHEETS OR FILMS OF POLYVINYL CHLORIDE RESIN SOLD AS PIECE GOODS, ETC. RALPH S. HARTE, San Francisco, Calif.
Filed October 31, 1945. Serial No. 490,829. PUBLISHED SEPTEMBER 3, 1946. Class 42.

425,550. GOODS NOT MADE OF PRECIOUS OR SEMI-PRECIOUS METAL—NAMELY, ORNAMENTAL CIGARETTE, CIGAR, AND TOBACCO BOXES, ETC. SYRACUSE ORNAMENTAL CO., New York, N. Y.
Filed November 2, 1945. Serial No. 490,979. PUBLISHED SEPTEMBER 3, 1946. Class 8.

425,551. FABRIC BAGS AND SACKS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed November 5, 1945. Serial No. 491,055. PUBLISHED SEPTEMBER 3, 1946. Class 2.

425,552. SYNTHETIC RESINS IN SOLID AND SOLUTION FORMS FOR GENERAL USE IN THE INDUSTRIAL ARTS—NAMELY, MOLDING, CASTING, SURFACE COATING, AND IMPREGNATION AND OTHER USES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed November 5, 1945. Serial No. 491,109. PUBLISHED SEPTEMBER 3, 1946. Class 1.

425,553. HANDBAGS. TOWN AND COUNTRY SHOES, Sedalia, Mo.
Filed November 7, 1945. Serial No. 491,221. PUBLISHED SEPTEMBER 3, 1946. Class 3.

425,554. SIMULATED PEARLS, CULTURED PEARLS, JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, BROOCHES, BRACELETS, HAIR ORNAMENTS, NECKLACES, LAVALLIERES, LINGERIE CLASPS, LOCKETS, ORNAMENTAL PINS, PENDANTS, HAT PINS, FINGER RINGS, SCARF PINS, WATCH BRACELETS, WATCH CHAINS, EMBLEMS AND FOBS; AND THE FOLLOWING ARTICLES MADE OF PRECIOUS OR SEMI-PRECIOUS METAL—NAMELY, CIGARETTE CASES, KEY RINGS, POWDER BOXES, AND BUCKLES. SAMUEL RUBIN, New York, N. Y.
Filed November 8, 1945. Serial No. 491,288. PUBLISHED AUGUST 6, 1946. Class 28.

425,555. FISHING TACKLE—NAMELY, FLY BOOKS, REELS, RODS, HOOKS, LINES, LEADERS, SPINNERS, FISH LURES, ETC. WYNNE PRECISION COMPANY, Griffin, Ga.
Filed November 8, 1945. Serial No. 491,299. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,556. FISHING TACKLE—NAMELY, FLY BOOKS, REELS, RODS, HOOKS, LINES, LEADERS, SPINNERS, FISH LURES, ETC. WYNNE PRECISION COMPANY, Griffin, Ga.
Filed November 8, 1945. Serial No. 491,301. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,557. FISHING TACKLE—NAMELY, FLY BOOKS, REELS, RODS, HOOKS, LINES, LEADERS, SPINNERS, FISH LURES, ETC. WYNNE PRECISION COMPANY, Griffin, Ga.
Filed November 8, 1945. Serial No. 491,302. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,558. BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C.
Filed November 9, 1945. Serial No. 491,315. PUBLISHED SEPTEMBER 3, 1946. Class 37.

425,559. VAPORIZING HEAT WAFERS FOR RELIEF OF NASAL CONGESTION DUE TO COMMON HEAD COLDS. ELECTROMA COMPANY, Los Angeles, Calif.
Filed November 10, 1945. Serial No. 491,404. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,560. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Filed November 10, 1945. Serial No. 491,424. PUBLISHED SEPTEMBER 3, 1946. Class 27.

425,561. DOG MANGE MEDICINE. CLAUDE W. STAFFORD, Florence, Ala.
Filed November 13, 1945. Serial No. 491,521. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,562. EMBALMING FLUIDS. SWITZER BROTHERS, Cleveland, Ohio.
Filed November 14, 1945. Serial No. 491,598. PUBLISHED AUGUST 20, 1946. Class 6.

425,563. MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT, MEN'S COLOGNE AND TALCUM POWDER. MAN OF MANHATTAN, INC., New York, N. Y.
Filed November 15, 1945. Serial No. 491,651. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,564. MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT, MEN'S COLOGNE AND TALCUM POWDER. MAN OF MANHATTAN, INC., New York, N. Y.
Filed November 15, 1945. Serial No. 491,657. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,565. MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT, MEN'S COLOGNE AND TALCUM POWDER. MAN OF MANHATTAN, INC., New York, N. Y.
Filed November 15, 1945. Serial No. 491,658. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,566. MEN'S TOILETRIES—NAMELY, AFTER-SHAVE LOTION, DRESSINGS AND LOTIONS FOR THE HAIR, DEODORANT, MEN'S COLOGNE AND TALCUM POWDER. MAN OF MANHATTAN, INC., New York, N. Y.
Filed November 15, 1945. Serial No. 491,659. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,567. MEDICINAL PREPARATION FOR INJECTIBLE OR PARENTERAL USE FOR THE TREATMENT OF VARIOUS TYPES OF SHOCK AND HYPOPROTEINEMIA. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed November 15, 1945. Serial No. 491,689. PUBLISHED APRIL 16, 1946. Class 6.

425,568. PLAYING CARDS AND GAME BOARDS. REGINALD D. OSGOODBY, Chicago, Ill.
Filed November 17, 1945. Serial No. 491,766. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,569. TABLET FOR USE AS A DIURETIC AND MYOCARDIAL STIMULANT. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed November 19, 1945. Serial No. 491,873. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,570. DIABOLO TOPS. WESTERN COLUMBIA MANUFACTURING CO., Los Angeles, Calif.
Filed November 19, 1945. Serial No. 491,905. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,571. LAWN SEED. GERMAIN SEED AND PLANT CO., Los Angeles, Calif.
Filed November 20, 1945. Serial No. 491,913. PUBLISHED SEPTEMBER 3, 1946. Class 1.

425,572. DENTAL MEDICAMENT USED TO FILL CAVITIES OF EXTRACTED TEETH. GRAHAM CHEMICAL COMPANY, Jamaica, N. Y.
Filed November 21, 1945. Serial No. 491,972. PUBLISHED AUGUST 20, 1946. Class 6.

425,573. INTRAVENOUS SOLUTION FOR THE TREATMENT OF VARICOSE VEINS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed November 26, 1945. Serial No. 492,214. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,574. FRIED CHICKEN. JAMES A. WILLIAMS, doing business as Bill Williams Chicken House, Houston, Tex.
Filed December 1, 1945. Serial No. 492,533. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,575. INSTRUMENTS USED TO CHECK INTER-MAXILLARY RELATIONSHIP OF DENTURES. SAMUEL HOLLANDER, Cleveland, Ohio.
Filed December 3, 1945. Serial No. 492,562. PUBLISHED SEPTEMBER 3, 1946. Class 44.

425,576. TWO AND THREE WHEEL MOTOR SCOOTERS AND MOTORCYCLES. CUSHMAN OVERSEAS CO., New York, N. Y.
Filed December 4, 1945. Serial No. 492,616. PUBLISHED SEPTEMBER 3, 1946. Class 19.

425,577. POULTRY TONIC AND CONDITIONER, AN OINTMENT OR SALVE FOR THE TREATMENT OF ECZEMA, ROUGH SKIN, SORES, BRUISES, BURNS, AND SKIN ERUPTIONS, A COUGH SYRUP, AND A BLOOD AND LIVER TONIC. JOHNSON & CO., Cornelia, Ga.
Filed December 6, 1945. Serial No. 492,773. PUBLISHED AUGUST 20, 1946. Class 6.

425,578. MEN'S COLOGNE AND AFTER SHAVE LOTION. MAN OF MANHATTAN, New York, N. Y.
Filed December 6, 1945. Serial No. 492,775. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,579. LOCKETS. THOMAS B. WILSON, Minneapolis, Minn.
Filed December 6, 1945. Serial No. 492,810. PUBLISHED AUGUST 6, 1946. Class 28.

425,580. POPCORN IN ITS NATURAL STATE AND POPPED POPCORN PLAIN, BUTTERED, CANDIED, AND/OR IN THE FORM OF POPCORN BARS OR POPCORN BALLS. JEANETTE R. ZUSSMAN, doing business as Interstate Popcorn Co., Boston, Mass.
Filed December 6, 1945. Serial No. 492,812. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,581. FRESH VEGETABLES—NAMELY, TOMATOES. SHIPPERS SALES SERVICE, Nogales, Ariz.
Filed December 7, 1945. Serial No. 492,861. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,582. FELT BASE FLOOR COVERINGS. SOUTHERN BARGAIN HOUSE, INC., Richmond, Va.
Filed December 10, 1945. Serial No. 493,027. PUBLISHED AUGUST 6, 1946. Class 20.

425,583. PERMANENT WAVE KITS CONSISTING OF FLUID LOTION, FLUID NEUTRALIZER, PAPER CAP AND HAIR RETENTION PAPERS FOR USE IN GIVING SO-CALLED PERMANENT WAVES TO THE HUMAN HAIR. HILCO, INCORPORATED, St. Louis, Mo.
Filed December 12, 1945. Serial No. 493,120. PUBLISHED SEPTEMBER 3, 1946. Class 50.

425,584. COKE. SEMET-SOLVAY COMPANY, New York, N. Y.
Filed December 12, 1945. Serial No. 493,150. PUBLISHED SEPTEMBER 3, 1946. Class 1.

425,585. FABRICS IN THE PIECE MADE OF FIBRES OF RAYON, COTTON, SILK, WOOL, AND MIXTURES THEREOF. N. ERLANGER, BLUMGART & CO., INC., New York, N. Y.
Filed December 14, 1945. Serial No. 493,261. PUBLISHED SEPTEMBER 3, 1946. Class 42.

425,586. LATCHES AND CATCHES. NATIONAL LOCK COMPANY, Rockford, Ill.
Filed December 14, 1945. Serial No. 493,276. PUBLISHED AUGUST 20, 1946. Class 25.

425,587. PERFUME. JAMES HOMER BUTLER, doing business as Ca d'Oro, New York, N. Y.
Filed December 15, 1945. Serial No. 493,320. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,588. STROBOSCOPES. GENERAL RADIO COMPANY, Cambridge, Mass.
Filed December 18, 1945. Serial No. 493,486. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,589. SOAP SUBSTITUTE APPLIED TO TEXTILES AND LEATHER AS A FINISHING AGENT AND DETERGENT. REFINED PRODUCTS COMPANY, Lyndhurst, N. J.
Filed December 18, 1945. Serial No. 493,509. PUBLISHED AUGUST 6, 1946. Class 4.

425,590. SOAP SUBSTITUTE APPLIED TO TEXTILES AND LEATHER AS A FINISHING AGENT AND DETERGENT. REFINED PRODUCTS COMPANY, Lyndhurst, N. J.
Filed December 18, 1945. Serial No. 493,510. PUBLISHED AUGUST 6, 1946. Class 4.

425,591. SOAP SUBSTITUTE APPLIED TO TEXTILES AND LEATHER AS A FINISHING AGENT AND DETERGENT. REFINED PRODUCTS COMPANY, Lyndhurst, N. J.
Filed December 18, 1945. Serial No. 493,511. PUBLISHED AUGUST 6, 1946. Class 4.

425,592. WATCHES, PARTS OF WATCHES, AND WATCH CASINGS. LES FILS DE PAUL SCHWARZ-ETIENNE, La Chaux-de-Fonds, Switzerland.
Filed December 19, 1945. Serial No. 493,558. PUBLISHED MAY 7, 1946. Class 27.

425,593. TOILET PREPARATIONS—NAMELY, LIQUID DEODORANT, AFTER SHAVE LOTION, COLOGNE, AFTER SHAVE TALCUM, CREAM DEODORANT, LIQUID BRILLIANTINE, SOLID BRILLIANTINE, AND HAIR SHAMPOO. GEORGE O. DARDEN, doing business as Darnoid, Chicago, Ill.
Filed December 20, 1945. Serial No. 493,594. PUBLISHED AUGUST 20, 1946. Class 6.

425,594. EXTERNAL MEDICINAL APPLICATION CONTAINING SULFATHIOZOLE AND ALLANTOIN FOR THE TREATMENT OF LOCAL BACTERIAL INFECTION. BUFFINGTON'S INC., Worcester, Mass.
Filed December 29, 1945. Serial No. 494,013. PUBLISHED AUGUST 27, 1946. Class 6.

425,595. SENSITIZED FILM AND PHOTOGRAPHIC PAPER. GRANT PHOTO PRODUCTS, INC., New York, N. Y.
Filed January 3, 1946. Serial No. 494,215. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,596. WATCHES, WATCH PARTS, CLOCKS, AND CLOCK PARTS. DIDISHEIM, GOLDSCHMIDT FILS ET CIE, FABRIQUE JUVENIA, La Chaux-de-Fonds, Switzerland.
Filed January 5, 1946. Serial No. 494,313. PUBLISHED AUGUST 6, 1946. Class 27.

425,597. PERFUMES AND TOILET WATERS. PARFUM L'ORLE, INC., New York, N. Y.
Filed January 9, 1946. Serial No. 494,515. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,598. GENTLEMEN'S TOILETRIES—NAMELY, EAU DE COLOGNE, AFTER SHAVING LOTION, TALCUM POWDER, FACE POWDER, TOILET POWDER, HAIR LOTION, HAIR POMADE AND DEODORANT. PARFUMS CHARBERT, INC., New York, N. Y.
Filed January 10, 1946. Serial No. 494,571. PUBLISHED AUGUST 13, 1946. Class 6.

425,599. INSECTICIDE. WILLIAM PETERMAN, INC., Newark, N. J.
Filed January 10, 1946. Serial No. 494,574. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,600. MOTION PICTURE FILMS OF ANIMATED CARTOONS WITH SYNCHRONIZED SOUND TRACK THEREON. TERRYTOONS, INC., New Rochelle, N. Y.
Filed January 12, 1946. Serial No. 494,721. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,601. JEWELRY FOR PERSONAL WEAR OR ADORNMENT (NOT INCLUDING WATCHES) AND THE FOLLOWING ARTICLES MADE OF OR PLATED WITH PRECIOUS OR SEMI-PRECIOUS METAL, ETC. THE ROBBINS COMPANY, Attleboro, Mass.
Filed January 15, 1946. Serial No. 494,798. PUBLISHED SEPTEMBER 3, 1946. Class 28.

425,602. COSTUME JEWELRY. LOUIS G. MEYERS, doing business as Alpha-Craft Company, New York, N. Y.
Filed January 17, 1946. Serial No. 494,915. PUBLISHED AUGUST 20, 1946. Class 28.

425,603. FACE POWDER, LIP STICK, POMADE, ROUGE, MASCARA, COLD CREAM, THEATRICAL CREAM, DEODORANT CREAM, ETC. MARY SCOTT ROWLAND, LTD., New York, N. Y.
Filed January 17, 1946. Serial No. 494,925. PUBLISHED AUGUST 27, 1946. Class 6.

425,604. LIGHT SENSITIZED PHOTOGRAPHIC PAPER FOR PROJECTION PRINTING. DASSONVILLE CO., LTD., New York, N. Y.
Filed January 18, 1946. Serial No. 494,955. PUBLISHED SEPTEMBER 3, 1946. Class 26.

425,605. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y., assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois
Filed January 21, 1946. Serial No. 495,157. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,606. RAYON PIECE GOODS. DUPLEX FABRICS CORPORATION, New York, N. Y.
Filed January 23, 1946. Serial No. 495,219. PUBLISHED SEPTEMBER 3, 1946. Class 42.

425,607. FANCIFUL CONFIGURATIONS OF LIVING CREATURES, SUCH AS INSECTS, FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES. ELIZABETH S. MOSER, doing business as Elsbeth Novelties, Fort Wayne, Ind.
Filed January 25, 1946. Serial No. 495,398. PUBLISHED AUGUST 6, 1946. Class 28.

425,608. ROUGE, FACE POWDER, PERFUME, TOILET WATER, SACHET POWDER, BATH POWDER, BATH SALTS, COLOGNE, ETC. ARTHUR RONAI, doing business as Rose Ronai, New York, N. Y., assignor to Transcontinental Export & Import Co. Inc., a corporation of New York
Filed January 25, 1946. Serial No. 495,408. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,609. CASCARA SAGRADA TABLETS, RUBBING ALCOHOL, ZINC OINTMENT, MINERAL OIL AND PHENOLPHTHALEIN, WITCH HAZEL AND CASTOR OIL. BOSTON DRUG & CHEMICAL CO., doing business as Prince Toiletries, Boston, Mass.
Filed January 26, 1946. Serial No. 495,445. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,610. ROOF VENTILATORS, POWER DRIVEN FAN VENTILATORS, AND ROTARY ROOF VENTILATORS HAVING EXHAUST FANS. THE SWARTWOUT COMPANY, Cleveland, Ohio.
Filed January 26, 1946. Serial No. 495,525. PUBLISHED SEPTEMBER 3, 1946. Class 34.

425,611. PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND GERMICIDES, SPRAY ADJUVANTS, HERBICIDES AND COMPOUNDS WHICH INFLUENCE SPECIFIC PHYSIOLOGICAL PROCESSES IN PLANTS. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed January 29, 1946. Serial No. 495,570. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,612. COSTUME JEWELRY. CRAFT PRECISION COMPANY, Los Angeles, Calif.
Filed January 29, 1946. Serial No. 495,593. PUBLISHED SEPTEMBER 3, 1946. Class 28.

425,613. FLEXIBLE PIPE COUPLINGS, COMPOSED OF MULTI PART HOUSING, FASTENING MEANS AND A GASKET, ETC. PIPE COUPLINGS, INC., New York, N. Y.
Filed January 29, 1946. Serial No. 495,623. PUBLISHED JULY 2, 1946. Class 13.

425,614. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 31, 1946. Serial No. 495,765. PUBLISHED SEPTEMBER 3, 1946. Class 44.

425,615. CHEMICAL SOLVENT AND CLEANER HAVING PENETRANT AND CORROSION INHIBITING PROPERTIES AND USEFUL FOR REMOVING RESIDUES OF PETROLEUM PRODUCTS, ETC. PETROLEUM SOLVENTS CORPORATION, New York, N. Y.
Filed February 1, 1946. Serial No. 495,818. PUBLISHED AUGUST 27, 1946. Class 6.

425,616. CHEMICAL SOLVENT AND CLEANER HAVING PENETRANT AND CORROSION INHIBITING PROPERTIES USEFUL FOR REMOVING RESIDUES OF PETROLEUM PRODUCTS, ETC. PETROLEUM SOLVENTS CORPORATION, New York, N. Y.
Filed February 1, 1946. Serial No. 495,819. PUBLISHED AUGUST 27, 1946. Class 6.

425,617. CREAM SHAMPOO. CIVRAY, INC., New York, N. Y.
Filed February 2, 1946. Serial No. 495,865. PUBLISHED AUGUST 27, 1946. Class 6.

425,618. PROTEIN DIGEST PRODUCT. AYERST, MCKENNA & HARRISON LIMITED, New York, N. Y.
Filed February 7, 1946. Serial No. 496,121. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,619. WINDOW DRAPES AND HANGINGS. PAUL SCHWARTZ, New York, N. Y.
Filed February 7, 1946. Serial No. 496,168. PUBLISHED SEPTEMBER 3, 1946. Class 42.

425,620. CANDIES. G. N. HANGE, Chicago, Ill.
Filed February 8, 1946. Serial No. 496,236. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,621. PHARMACEUTICAL PREPARATIONS, MORE PARTICULARLY GENERAL TONIC, MEDICINE FOR DISEASES OF THE NERVOUS SYSTEM, ETC. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed February 9, 1946. Serial No. 496,341. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,622. EYE WASH. ZITOMER CHEMISTS, INC., New York, N. Y.
Filed February 9, 1946. Serial No. 496,359. PUBLISHED AUGUST 27, 1946. Class 6.

425,623. VITAMIN PREPARATION WITH IRON SULFATE. ZITOMER CHEMISTS, INC., New York, N. Y.
Filed February 9, 1946. Serial No. 496,360. PUBLISHED AUGUST 27, 1946. Class 6.

425,624. CHILDREN'S STROLLERS. ALLIED AMERICAN STEEL CORPORATION, Chicago, Ill.
Filed February 11, 1946. Serial No. 496,363. PUBLISHED AUGUST 6, 1946. Class 19.

425,625. BROOCHES, EARRINGS, PINS, BRACELETS, LOCKETS, PENDANTS, AND NECKLACES, ALL MADE OF PRECIOUS AND SEMI-PRECIOUS METAL. PAUL R. FREYD, doing business as Associated Manufacturers, Providence, R. I.
Filed February 12, 1946. Serial No. 496,440. PUBLISHED AUGUST 6, 1946. Class 28.

425,626. LIPSTICK, ROUGE, NAIL POLISH, TALCUM POWDER, HAND CREAM, FACE CREAM, FACE LOTION, AND PERFUME. ERNEST T. NUTTER, New York, N. Y.
Filed February 12, 1946. Serial No. 496,459. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,627. B-COMPLEX WITH AMINO ACID HYDROLYSATE AND ESTROGENIC HORMONE, FOR USE IN MENOPAUSE AND DYSMENORRHEA, ETC. VITAMINS & PHARMACEUTICALS, INC., Dover. Del.
Filed February 14, 1946. Serial No. 496,588. PUBLISHED SEPTEMBER 3, 1946. Class 6.

426,628. CALCIUM ASCORBATE ACETYLSALICYLATE WITH VITAMIN K, FOR USE AS AN ANALGESIC AND ANTI-PYRETIC. VITAMINS & PHARMACEUTICALS, INC., Dover, Del.
Filed February 14, 1946. Serial No. 496,589. PUBLISHED AUGUST 20, 1946. Class 6.

425,629. FINGER RINGS, WEDDING BANDS, AND MOUNTINGS THEREFOR. LOUIS VOGEL, Chicago, Ill.
Filed February 15, 1946. Serial No. 496,674. PUBLISHED AUGUST 6, 1946. Class 28.

425,630. POWDER PUFFS AND CLOTHES BRUSHES. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed February 16, 1946. Serial No. 496,689. PUBLISHED AUGUST 6, 1946. Class 29.

425,631. SILVER FLATWARE AND HOLLOW WARE. I. FREEMAN & SON, INC., New York, N. Y.
Filed February 21, 1946. Serial No. 497,020. PUBLISHED SEPTEMBER 3, 1946. Class 28.

425,632. SHAMPOOS. ESTATE OF JAMES O. DAVIES, deceased, doing business as Baby Touch Hair Remover Company, St. Louis, Mo.
Filed February 23, 1946. Serial No. 497,061. PUBLISHED JULY 16, 1946. Class 6.

425,633. REFRIGERATOR AND ICEBOX DEODORIZERS. REQUA MANUFACTURING CO., INC., New York and Brooklyn, N. Y.
Filed February 23, 1946. Serial No. 497,131. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,634. DOG FOOD. THE THEOBALD INDUSTRIES, Kearny and Harrison, N. J.
Filed February 23, 1946. Serial No. 497,139. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,635. MOTOR BOATS, POWER BOATS, AND THE LIKE. WHEELER SHIPBUILDING CORPORATION, Whitestone, Long Island, N. Y.
Filed February 23, 1946. Serial No. 497,152. PUBLISHED AUGUST 20, 1946. Class 19.

425,636. ROW BOATS, SAIL BOATS, AND MOTOR BOATS. BLAKELY ENGINEERING AND MARINE CO., Babylon, N. Y.
Filed February 25, 1946. Serial No. 497,161. PUBLISHED SEPTEMBER 3, 1946. Class 19.

425,637. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, BRACELETS AND CHOKERS. CAVU COMPANY, Downey, Calif.
Filed February 25, 1946. Serial No. 497,167. PUBLISHED SEPTEMBER 3, 1946. Class 28.

425,638. CANNED FRUITS AND CANNED VEGETABLES. PARROTT & CO., San Francisco, Calif.
Filed February 25, 1946. Serial No. 497,192. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,639. SCOOTER-TYPE WHEELED VEHICLES. HENRY M. KINSLOW, Pasadena, Calif.
Filed February 26, 1946. Serial No. 497,252. PUBLISHED AUGUST 6, 1946. Class 19.

425,640. AIRPLANE PROPELLERS. SENSENICH BROTHERS, Lancaster, Pa.
Filed February 27, 1946. Serial No. 497,342. PUBLISHED SEPTEMBER 3, 1946. Class 19.

425,641. FLUIDS FOR EMBALMING AND FOR DISINFECTING THE DEAD HUMAN BODY. WILLIAM L. ARMSTRONG, doing business as Armstrong Chemical Company, Fremont, Nebr.
Filed February 28, 1946. Serial No. 497,360. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,642. CLOTHES RACKS FOR DRYING CLOTHES. FRANK L. POLLARD COMPANY, Oakland, Calif.
Filed March 2, 1946. Serial No. 497,565. PUBLISHED AUGUST 6, 1946. Class 24.

425,643. ELECTRIC MOTOR DRIVEN BLOWERS FOR HEATING AND VENTILATING PURPOSES. A. G. REDMOND CO., Owosso, Mich., assignor to Redmond Company, Inc., Owosso, Mich., a corporation of Michigan
Filed March 4, 1946. Serial No. 497,628. PUBLISHED SEPTEMBER 3, 1946. Class 34.

425,644. WATCHES. HYMAN GOLDWAG, Brooklyn, N. Y.
Filed March 7, 1946. Serial No. 497,792. PUBLISHED AUGUST 6, 1946. Class 27.

425,645. CHEMICAL SUBSTANCES USED IN ANALYSIS. RIDSDALE & CO. LIMITED, Middlesbrough, England.
Filed March 7, 1946. Serial No. 497,816. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,646. CHEMICAL COMPOSITION FOR PRESERVING HAY, GRAIN, BEANS, AND SO FORTH. FLORENCE K. CHAMBERS, doing business as Ha-Grn-Co Mfg. Co., Buffalo, N. Y.
Filed March 9, 1946. Serial No. 497,984. PUBLISHED AUGUST 20, 1946. Class 6.

425,647. SPECIFIC FOR THE TREATMENT OF NEURALGIA AND RHEUMATISM. ENNIS NEWTON SEARLES, doing business as Athlophoros Company. Pomfret Center, Conn.
Filed March 11, 1946. Serial No. 498,033. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,648. BRIEF CASES. PRIME LEATHER CO., INC., New York, N. Y.
Filed March 12, 1946. Serial No. 498,078. PUBLISHED SEPTEMBER 3, 1946. Class 3.

425,649. TARNISH PREVENTIVE BEING A MIXTURE OF CHEMICALS USED TO PREVENT SILVER FROM TARNISHING. KATHERINE K. BENOLIEL, Philadelphia, Pa.
Filed March 15, 1946. Serial No. 498,267. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,650. DEGREASING SOLVENT USED IN VAPOR CLEANING OF METAL PARTS AND THE LIKE. VAPOR ENGINEERING CORPORATION, Los Angeles, Calif.
Filed March 15, 1946. Serial No. 498,330. PUBLISHED AUGUST 20, 1946. Class 6.

425,651. CHEMICAL PRODUCTS FOR USE IN COMBATING AGRICULTURAL FUNGI. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed March 16, 1946. Serial No. 498,355. PUBLISHED AUGUST 20, 1946. Class 6.

425,652. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. MARATHON COMPANY, Attleboro, Mass.
Filed March 18, 1946. Serial No. 498,427. PUBLISHED AUGUST 20, 1946. Class 28.

425,653. CHEMICALS FOR USE IN THE PREPARATION OF BLUEPRINT FORMULAE FOR TREATING OF BLUEPRINT PAPER, AS WELL AS FOR USE AS PHOTOGRAPHIC DEVELOPERS. H. P. ANDREWS PAPER COMPANY, New York, N. Y.
Filed March 20, 1946. Serial No. 498,574. PUBLISHED AUGUST 20, 1946. Class 6.

425,654. ESSENTIAL OIL COMPOUNDS; POMADES; TINCTURES OF AMBERGRIS, BENZOIN, CASTOREUM, CIVET, MUSK, ORRIS, ETC. ANTOINE CHIRIS COMPANY, INC., New York, N. Y.
Filed March 20, 1946. Serial No. 498,581. PUBLISHED AUGUST 20, 1946. Class 6.

425,655. PERFUMES AND TOILET WATER. LE GALION, S. A., Neuilly, France.
Filed March 22, 1946. Serial No. 498,777. PUBLISHED AUGUST 27, 1946. Class 6.

425,656. PERFUMES AND TOILET WATER. LE GALION, S. A., Neuilly, France.
Filed March 22, 1946. Serial No. 498,778. PUBLISHED AUGUST 27, 1946. Class 6.

425,657. PERFUMES AND TOILET WATER. LE GALION, S. A., Neuilly, France.
Filed March 22, 1946. Serial No. 498,779. PUBLISHED AUGUST 27, 1946. Class 6.

425,658. PERFUMES AND TOILET WATER. LE GALION, S. A., Neuilly, France.
Filed March 22, 1946. Serial No. 498,780. PUBLISHED AUGUST 27, 1946. Class 6.

425,659. MEDICINAL PREPARATIONS INDICATED IN AND FOR THE TREATMENT OF ACIDOSIS; ANEMIA AND OTHER AFFECTIONS OF THE BLOOD, ETC. DR. D. JAYNE & SON, INC., Philadelphia, Pa.
Filed March 25, 1946. Serial No. 498,903. PUBLISHED AUGUST 27, 1946. Class 6.

425,660. HAIR DRESSING. VALMOR PRODUCTS CO., Chicago, Ill.
Filed March 25, 1946. Serial No. 498,959. PUBLISHED AUGUST 27, 1946. Class 6.

425,661. INLAID LINOLEUM RUGS AND INLAID LINOLEUM, COMPOSITION FLOOR COVERINGS, OILED CLOTH WALL COVERING, AND OILED CLOTH FOR TABLES AND SHELVES. OAKES & COMPANY, Chicago, Ill.
Filed March 25, 1946. Serial No. 498,921. PUBLISHED AUGUST 20, 1946. Class 20.

425,662. PREPARATION INDICATED FOR USE IN ALLERGIC CONDITIONS. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed March 26, 1946. Serial No. 498,981. PUBLISHED AUGUST 27, 1946. Class 6.

425,663. HAIR POMADE. IRVING DINERMAN, doing business as Masterblend Cosmetic Co., Brooklyn, N. Y.
Filed March 27, 1946. Serial No. 499,052. PUBLISHED AUGUST 27, 1946. Class 6.

425,664. INSECTICIDES. MCLAUGHLIN GORMLEY KING COMPANY, Minneapolis, Minn.
Filed March 28, 1946. Serial No. 499,141. PUBLISHED AUGUST 27, 1946. Class 6.

425,665. MOTOR SCOOTERS. SOLAR CORPORATION, Milwaukee, Wis., and Webster City, Iowa.
Filed March 28, 1946. Serial No. 499,166. PUBLISHED SEPTEMBER 3, 1946. Class 19.

425,666. PREPARATIONS FOR PRODUCING MUSCULAR RELAXATION. E. R. SQUIBB & SONS, New York, N. Y.
Filed March 28, 1946. Serial No. 499,169. PUBLISHED AUGUST 27, 1946. Class 6.

425,667. AQUEOUS SOLUTIONS OF HEMATOPORPHYRIN, CONGO RED, CAPSULES OF NITROGLYCERINE, PREPARATIONS FOR THE TREATMENT OF MENTAL DEPRESSION, ETC. COSMOS INTERNATIONAL CORPORATION, New York, N. Y.
Filed March 29, 1946. Serial No. 499,207. PUBLISHED AUGUST 20, 1946. Class 6.

425,668. WATCHES AND PARTS THEREOF. PARKER WATCH COMPANY, New York, N. Y.
Filed March 29, 1946. Serial No. 499,266. PUBLISHED SEPTEMBER 3, 1946. Class 27.

425,669. PHARMACEUTICAL PREPARATION— NAMELY, INJECTABLE EXTRACT OF LIVER AND STOMACH. BIOCHEMICAL PRODUCTS CORPORATION, New York, N. Y.
Filed March 30, 1946. Serial No. 499,310. PUBLISHED AUGUST 27, 1946. Class 6.

425,670. PHARMACEUTICAL PREPARATION—NAMELY, INJECTABLE SOLUTION OF HISTIDINE MONOHYDROCHLORIDE, VITAMINS C AND B. BIOCHEMICAL PRODUCTS CORPORATION, New York, N. Y.
Filed March 30, 1946. Serial No. 499,311. PUBLISHED AUGUST 27, 1946. Class 6.

425,671. PHARMACEUTICAL PREPARATION—NAMELY, A MIXTURE OF TESTICULAR EXTRACT AND TESTOSTERONE PREPARED FOR ORAL APPLICATION AND INJECTION. BIOCHEMICAL PRODUCTS CORPORATION, New York, N. Y.
Filed March 30, 1946. Serial No. 499,312. PUBLISHED AUGUST 27, 1946. Class 6.

425,672. PREFABRICATED BUILDINGS MADE PRIMARILY OF WOOD. M. B. M. COMPANY, Everett, Wash.
Filed April 3, 1946. Serial No. 499,561. PUBLISHED SEPTEMBER 3, 1946. Class 12.

425,673. BROMINATED THYROID PRODUCTS. VAN PATTEN PHARMACEUTICAL CO., Chicago, Ill.
Filed April 3, 1946. Serial No. 499,584. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,674. INSECTICIDES AND FUNGICIDES. VELSICOL CORPORATION, Chicago, Ill.
Filed April 3, 1946. Serial No. 499,586. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,675. INSECTICIDES AND FUNGICIDES. VELSICOL CORPORATION, Chicago, Ill.
Filed April 3, 1946. Serial No. 499,588. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,676. INSECTICIDES AND FUNGICIDES. VELSICOL CORPORATION, Chicago, Ill.
Filed April 3, 1946. Serial No. 499,591. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,677. MEN'S, WOMEN'S, AND CHILDREN'S TOOTH BRUSHES. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed April 4, 1946. Serial No. 499,595. PUBLISHED SEPTEMBER 3, 1946. Class 29.

425,678. COUNTER-IRRITANT MEDICINE. THE DESRON COMPANY, Balboa Island, Calif.
Filed April 4, 1946. Serial No. 499,612. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,679. COLOGNE, TALCUM POWDER, AFTER-SHAVE LOTION, SKIN LOTION, HAIR DRESSING, HAIR SHAMPOO, AND BUBBLE BATH PREPARATION. PARFAIT, INCORPORATED, Chicago, Ill.
Filed April 4, 1946. Serial No. 499,648. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,680. TOILET PREPARATIONS, PERFUMERY, AND COSMETICS—NAMELY, PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDER, TOILET CREAMS, AND ROUGE. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed April 5, 1946. Serial No. 499,720. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,681. BRONCHODILATOR PREPARATION. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed April 5, 1946. Serial No. 499,746. PUBLISHED SEPTEMBER 3, 1946. Class 6.

425,682. PUZZLES CONSISTING OF CUBES CARRYING PLAYING CARD CHARACTERS. MARY P. PADGETT, Bloomingdale, N. J.
Filed April 11, 1946. Serial No. 500,015. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,683. UPHOLSTERED LIVING ROOM CHAIRS. WESTERN CAROLINA FURNITURE COMPANY, Hickory, N. C.
Filed April 15, 1946. Serial No. 500,265. PUBLISHED SEPTEMBER 3, 1946. Class 32.

425,684. GOLF CLUBS. KNIGHT SCREW PRODUCTS COMPANY, Detroit, Mich.
Filed April 17, 1946. Serial No. 500,396. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,685. METAL DISPLAY SHELVES. AIRWAY FINISHING CORPORATION, Chicago, Ill.
Filed April 18, 1946. Serial No. 500,453. PUBLISHED SEPTEMBER 3, 1946. Class 32.

425,686. PERFUMES, COLOGNES, TOILET WATERS, SKIN DRESSINGS, LIPSTICKS, ROUGES, FACE CREAMS, COSMETIC AND BATH OILS, AND FACE AND BODY DUSTING POWDERS. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed May 15, 1946. Serial No. 502,153. PUBLISHED AUGUST 27, 1946. Class 6.

425,687. FISH LURES. SHUREBITE INC., Bronson, Mich.
Filed May 31, 1946. Serial No. 503,136. PUBLISHED SEPTEMBER 3, 1946. Class 22.

425,688. FISH LURES. SHUREBITE INC., Bronson, Mich.
Filed May 31, 1946. Serial No. 503,137. PUBLISHED SEPTEMBER 3, 1946. Class 22.

TRADE-MARK REGISTRATIONS RENEWED

28,277. **"BEETHAM'S" ETC. AND REPRESENTATION OF A GIRL ETC.** TOILET PREPARATION FOR THE SKIN. Registered May 19, 1896. M. BEETHAM & SON. Re-renewed May 19, 1946, to Frank Surr Whittard, Rodney Lewis Walkerley and Charles Ewart Jeens, trustees, doing business as M. Beetham & Son, Cheltenham, England. Class 6.

46,418. **WISE KING.** WHEAT-FLOUR. Registered Sept. 19, 1905. BILL, BELL & Co., Ogdensburg, N. Y. Re-renewed Sept. 19, 1945, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Class 46.

50,216. **"COLUMBIA" AND DRAWING.** YARNS OF ALL DESCRIPTIONS. Registered Mar. 6, 1906. WM. H. HORSTMANN COMPANY, Philadelphia, Pa., New York, N. Y., Boston, Mass., Baltimore, Md., Detroit, Mich., etc. Re-renewed Mar. 6, 1946, to James Lees & Sons Company, Bridgeport, Pa., a corporation of Pennsylvania. Class 43.

50,986. **"PERRY" AND DESIGN.** STEEL, FOUNTAIN, AND STYLOGRAPHIC PENS AND PENHOLDERS. Registered Apr. 3, 1906. PERRY & COMPANY LIMITED. Re-renewed Apr. 3, 1946, to Perry & Co. (Pens) Limited, Birmingham, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 37.

51,448. **MOUNTAIN VALLEY.** MINERAL-SPRING WATER. Registered Apr. 17, 1906. THE MOUNTAIN VALLEY SPRINGS COMPANY, Mountain Valley Springs, Ark. Re-renewed April 17, 1946, to Mountain Valley Spring Company, St. Louis, Mo., a corporation of Arkansas. Class 45.

52,208. **REPRESENTATION OF AN ARM HOLDING A BRANCH AND RESTING ON A BAR.** COGNAC BRANDY. Registered May 1, 1906. A. C. MEUKOW & Co. Re-renewed May 1, 1946, to T. D. Shepherd & Co., Cognac, France, a societe en nom Collectif en Commandite Simple. Class 49.

52,438. **BROWNLEY'S.** CANDY. Registered May 8, 1906. WALTER BROWNLEY. Re-renewed May 8, 1946, to Brownley's, Washington, D. C., a trust estate. Class 46.

52,703. **HARPOON.** SHIP-LOGS AND SOUNDING-MACHINES. Registered May 15, 1906. THOMAS WALKER & SON LIMITED, Birmingham, England, an organized company of Great Britain. Re-renewed May 15, 1946. Class 26.

52,705. **CHERUB.** SHIP-LOGS AND SOUNDING-MACHINES. Registered May 15, 1906. THOMAS WALKER & SON LIMITED, Birmingham, England, an organized company of Great Britain. Re-renewed May 15, 1946. Class 26.

53,247. **"HESS" ETC. AND DRAWING.** COMPOUND USED AS A FOOD AND MEDICINE FOR CATTLE AND OTHER LIVE STOCK. Registered May 29, 1906. DR. HESS & CLARK. Re-renewed May 29, 1946, to Dr. Hess & Clark, Inc., Ashland, Ohio, a corporation of Ohio. Classes 6 and 46.

53,736. **REPRESENTATION OF A CROSS OR LETTER X INTERSECTED VERTICALLY BY A BAR.** NAILS. Registered June 12, 1906. UNITED SHOE MACHINERY COMPANY, Boston, Mass. Re-renewed June 12, 1946, to United Shoe Machinery Corporation, Flemington, N. J. and Boston, Mass., a corporation of New Jersey. Class 13.

54,001. **NONPAREIL.** VARNISHES, STAINS, JAPANS, AND SURFACERS. Registered June 19, 1906. CHICAGO VARNISH CO., Chicago, Ill. Re-renewed June 19, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 16.

54,030. **"APPELLS" ETC. AND DRAWING.** WATER-BAGS. Registered June 19, 1906. THE ADAM APPELL COMPANY. Re-renewed June 19, 1946, to Hirsch-Weis Canvas Products Company, Portland, Oreg., a firm. Class 2.

54,486. **DECO-MURA.** CALCIMINE. Registered June 26, 1906. THE TRIPOD PAINT CO. Re-renewed June 26, 1946, to Tripod Paints, Inc., Atlanta, Ga., a corporation of Georgia. Class 16.

54,687. **TRIDENT.** SHIP-LOGS AND SOUNDING-MACHINES. Registered June 26, 1906. THOMAS WALKER & SON LIMITED, Birmingham, England, an organized company of Great Britain. Re-renewed June 26, 1946. Class 26.

54,731. **EXTRA PLATE COIN SILVER.** SILVER-PLATED FLAT WARE, HOLLOW WARE, AND TABLEWARE. Registered June 26, 1906. WM. A. ROGERS LIMITED, New York, N. Y. Re-renewed June 26, 1946, to Oneida Ltd., Oneida, N. Y., a corporation of New York. Class 28.

55,371. **"FABRICAS FLOR DE LA ISABELA" ETC. AND DESIGN.** CIGARS. Registered Aug. 14, 1906. COMPAÑIA GENERAL DE TABACOS DE FILIPINAS, Barcelona, Spain, an organized company of Spain. Re-renewed Aug. 14, 1946. Class 17.

55,447. **"LA FLOR DE LA ISABELA" ETC. AND DESIGN.** CIGARS. Registered Aug. 14, 1906. COMPAÑIA GENERAL DE TABACOS DE FILIPINAS, Barcelona, Spain, an organized company of Spain. Re-renewed Aug. 14, 1946. Class 17.

55,532. **BRISTOL'S.** PRESSURE-RECORDERS. Registered Aug. 14, 1906. THE BRISTOL COMPANY, Waterbury, Conn., a corporation of Connecticut. Re-renewed Aug. 14, 1946. Class 26.

55,533. **BRISTOL'S.** THERMOMETERS AND TELETHERMOMETERS. Registered Aug. 14, 1906. THE BRISTOL COMPANY, Waterbury, Conn., a corporation of Connecticut. Re-renewed Aug. 14, 1946. Class 26.

55,534. **BRISTOL'S.** ELECTRIC METERS. Registered Aug. 14, 1906. THE BRISTOL COMPANY, Waterbury, Conn., a corporation of Connecticut. Re-renewed Aug. 14, 1946. Class 26.

55,560. **"COMPAÑIA GENERAL DE TABACOS DE FILIPINAS" AND DESIGN.** CIGARS. Registered Aug. 14, 1906. COMPAÑIA GENERAL DE TABACOS DE FILIPINAS, Barcelona, Spain, an organized company of Spain. Re-renewed Aug. 14, 1946. Class 17.

55,801. **PICTURE OF UNCLE SAM.** POPCORN. Registered Aug. 21, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Aug. 21, 1946. Class 46.

56,100. **THE AMERICAN GIRL.** LADIES' LEATHER SHOES. Registered Aug. 21, 1906. THE WOLF BROTHERS AND COMPANY, Cincinnati, Ohio. Re-renewed Aug. 21, 1946, to American Girl Shoe Co., Boston, Mass., a corporation of Massachusetts. Class 39.

56,599. **BENGER'S FOOD.** SELF-DIGESTIVE FARINACEOUS FOOD. Registered Oct. 9, 1906. BENGER'S FOOD, LIMITED, Manchester, England. Re-renewed Oct. 9, 1946, to Benger's Limited, Cheshire, England, a corporation of England. Class 46.

56,803. **REPRESENTATION OF AN OPEN HAND.** READY-MIXED ANTICORROSIVE PAINTS FOR ALL PURPOSES. Registered Oct. 16, 1906. SUTER HARTMANN & RAHTJENS COMPOSITION COMPANY, LIMITED, London, England. Re-renewed Oct. 16, 1946, to Red Hand Compositions Company, Inc., New York, N. Y., a corporation of New York. Class 16.

57,056. **DAILY RACING FORM.** DAILY NEWSPAPERS. Registered Oct. 30, 1906. DAILY RACING FORM PUBLISHING COMPANY, Chicago, Ill. Re-renewed Oct. 30, 1946, to Triangle Publications, Inc., Philadelphia, Pa., a corporation of Delaware. Class 38.

57,131. **REPRESENTATION OF A STAR.** VALVES. Registered Nov. 6, 1906. THE WILLIAM POWELL COMPANY, Cincinnati, Ohio, a corporation of Ohio. Re-renewed Nov. 6, 1946. Class 13.

57,566. **TANGLEFOOT.** STICKY PREPARATION SUPPLIED IN THE FORM OF STICKY FLY-PAPER AND IN BULK FOR APPLICATION TO TREES, VINES, AND SHRUBS ADAPTED TO CATCH AND HOLD INSECTS OR TO REPEL THEM. Registered Nov. 13, 1906. THE O. & W. THUM COMPANY. Re-renewed Nov. 13, 1946, to The Tanglefoot Company, Grand Rapids, Mich., a corporation of Michigan. Classes 6 and 50.

57,567. **REPRESENTATION OF A SERIES OF OVAL DESIGNS.** STICKY FLY-PAPER. Registered Nov. 13, 1906. THE O. & W. THUM COMPANY. Re-renewed Nov. 13, 1946, to The Tanglefoot Company, Grand Rapids, Mich., a corporation of Michigan. Class 50.

57,737. **"M. V." AND DRAWING.** VARNISH, JAPAN, AND VARNISH-STAINS. Registered Nov. 27, 1906. MURPHY VARNISH COMPANY, Newark, N. J. Re-renewed Nov. 27, 1946, to Interchemical Corporation, New York, N. Y., a corporation of Ohio. Class 16.

57,820. **RAYO.** OIL-LAMPS. Registered Nov. 27, 1906. STANDARD OIL COMPANY, Bayonne, N. J. Re-renewed Nov. 27, 1946, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware. Class 34.

57,931. **ORGANDIE.** FINE WRITING-PAPER. Registered Dec. 4, 1906. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Dec. 4, 1946. Class 37.

57,932. **DIMITY.** FINE WRITING-PAPER. Registered Dec. 4, 1906. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Dec. 4, 1946. Class 37.

58,003. **ACME.** OIL-BURNING LAMPS AND LANTERNS. Registered Dec. 4, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Dec. 4, 1946. Class 34.

58,037. **VICTOR.** OIL-BURNING LANTERNS. Registered Dec. 4, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Dec. 4, 1946. Class 34.

58,038. **VICTOR.** BURNERS FOR OIL-BURNING LAMPS AND LANTERNS. Registered Dec. 4, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Dec. 4, 1946. Class 34.

58,179. **"OVAL BRAND" AND DESIGN.** CANNED FRUITS AND VEGETABLES. Registered Dec. 11, 1906. BOOTH PACKING COMPANY. Re-renewed Dec. 11, 1946, to Gibbs & Company, Incorporated, Baltimore, Md., a corporation of Maryland. Class 46.

58,232. **NIAGARA.** CERTAIN NAMED SHEET-METAL-WORKING MACHINES. Registered Dec. 11, 1906. NIAGARA MACHINE & TOOL WORKS, Buffalo, N. Y., a corporation of New York. Re-renewed Dec. 11, 1946. Class 23.

58,263. **ARMY AND NAVY.** HOSIERY. Registered Dec. 11, 1906. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Dec. 11, 1946. Class 39.

58,293. **"KNIGHT BRAND" AND DRAWING.** GRASS AND FIELD SEEDS. Registered Dec. 11, 1906. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed Dec. 11, 1946. Class 1.

58,318. **VESTA.** GLOBES FOR LAMPS AND LANTERNS. Registered Dec. 11, 1906. R. E. DIETZ COMPANY, New York, N. Y., a corporation of New York. Re-renewed Dec. 11, 1946. Class 34.

204,491. **PHOTOPHORE.** THERAPEUTIC LAMPS. Registered Oct. 20, 1925. SANITARIUM AND HOSPITAL EQUIPMENT COMPANY. Renewed Oct. 20, 1945, to Battle Creek Equipment Company, Battle Creek, Mich., a partnership. Class 44.

205,632. **"THE FINANCIAL WORLD" AND DRAWING.** WEEKLY MAGAZINE. Registered Nov. 10, 1925. GUENTHER PUBLISHING COMPANY. Renewed Nov. 10, 1945, to Guenther Publishing Corporation, New York, N. Y., a corporation of New York. Class 38.

208,290. **REPRESENTATION OF A SHARK.** TONGS, RAZORS, AND CERTAIN NAMED EDGE TOOLS AND KNIVES. Registered Jan. 26, 1926. E. A. BERGS FABRIKS AKTIEBOLAG, Eskilstuna, Sweden, a corporation of Sweden. Renewed Jan. 26, 1946. Class 23.

209,189. **"WESTBEST" AND DESIGN.** COMPOSITION ROOFING, LUMBER, AND SHINGLES. Registered Feb. 16, 1926. WEST LUMBER COMPANY. Renewed Feb. 16, 1946, to West Lumber Company, Atlanta, Ga., a corporation of Georgia. Class 12.

209,331. **LAVOSKIN.** GLOVES MADE OF LEATHER. Registered Feb. 23, 1926. D. POWER & SONS LIMITED, Walsall, England, an organized company of Great Britain. Renewed Feb. 23, 1946. Class 39.

209,350. **"WESTBEST" AND DESIGN.** RAW LINSEED OIL, BOILED LINSEED OIL, TURPENTINE, BLACK ROOF AND METAL PAINT, AND ASPHALTUM PAINT. Registered Feb. 23, 1926. WEST LUMBER COMPANY. Renewed Feb. 23, 1946, to West Lumber Company, Atlanta, Ga., a corporation of Georgia. Class 16.

211,238. **ANTISEPTOL.** ANTISEPTIC SOLUTION FOR THE TREATMENT OF AFFECTIONS OF THE NOSE AND THROAT AND FOR DEFECTIVE HEARING. Registered Apr. 6, 1926. HANCE BROTHERS & WHITE, INC. Renewed Apr. 6, 1946, to Hance Bros. & White Co., Philadelphia, Pa., a partnership. Class 6.

211,413. **GOLD SEAL.** CRACKERS, CAKES, BISCUITS, AND SUGAR WAFERS. Registered Apr. 13, 1926. THE LAKESIDE BISCUIT CO., Toledo, Ohio. Renewed Apr. 13, 1946, to American Stores Company, Philadelphia, Pa., a corporation of Delaware. Class 46.

211,466. **WHIP-MIX.** DENTAL INVESTMENT, DENTAL STONE, AND DENTAL PLASTER. Registered Apr. 13, 1926. FALLS CITY DENTAL SPECIALTY CO., INC. Renewed Apr. 13, 1946, to Whip-Mix Corporation, Louisville, Ky., a corporation of Kentucky. Class 44.

211,475. **SPARKLE SATIN.** TEXTILE FABRICS COMPOSED OF COTTON AND RAYON. Registered Apr. 13, 1926. S. SLATER & SONS, INC., Webster, Mass. Renewed Apr. 13, 1946, to Slater Manufacturing Co., Inc., Slater, S. C., and Greensboro, N. C., a corporation of Delaware. Class 42.

212,213. **"OLD GERMAN LAGER" AND DESIGN.** OLD GERMAN LAGER BEER. Registered Apr. 27, 1926. HARRY D. STRATTON. Renewed Apr. 27, 1946, to Ranier Brewing Company, San Francisco, Calif., a corporation of California. Class 48.

212,593. **"UHB" AND DESIGN.** IRON AND STEEL. Registered May 11, 1926. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden, a corporation of Sweden. Renewed May 11, 1946. Class 14.

212,897. **TUNGSTONE.** ELECTRIC ACCUMULATORS AND ACCUMULATOR BOXES. Registered May 18, 1926. WALTER HADDON. Renewed May 18, 1946, to Tungstone Products Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 21.

214,094. **SUPERFLEX.** DREDGING SLEEVES. Registered June 15, 1926. THE B. F. GOODRICH COMPANY, New York, N. Y. Renewed June 15, 1946, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. Class 35.

214,256. **BARONET.** CERTAIN NAMED CULINARY FLAVORING EXTRACTS FOR TABLE USE. Registered June 15, 1926. ALBERT M. GUGENHEIM, doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co. Renewed June 15, 1946, to Robert E. Gugenheim, Cincinnati, Ohio. Class 46.

214,266. **"NOIRGRAVE" AND DESIGN.** CERTAIN NAMED PRINTED PRODUCTS. Registered June 15, 1926. BUSHNELL-DAHLQUIST PRESS, INC. Renewed June 15, 1946, to J. Bryan Bushnell, doing business as Bushnell-Printer-Stationer-Engraver, Minneapolis, Minn. Class 38.

214,333. **LARK.** AEROPLANES. Registered June 22, 1926. CURTISS AEROPLANE AND MOTOR COMPANY, INC., Buffalo and Garden City, N. Y. Renewed June 22, 1946, to Curtiss-Wright Corporation, New York, N. Y., a corporation of Delaware. Class 19.

214,335. **STREAMLINE.** METAL GRATING FOR FLOORINGS, STAIRCASES, AND ROADWAYS. Registered June 22, 1926. IRVING IRON WORKS COMPANY. Renewed June 22, 1946, to Irving Subway Grating Co. Inc., Long Island City, N. Y., a corporation of New York. Class 12.

214,384. **LA VAQUITA.** BUTTER. Registered June 22, 1926. A/S L. E. BRUUN, Copenhagen, Denmark, a corporation of Denmark. Renewed June 22, 1946. Class 46.

214,558. **BURT.** OIL-WELL SWABS. Registered June 29, 1926. L. G. BURT, Tulsa, Okla. Renewed June 29, 1946. Class 23.

214,665. **COMMUNITY.** CHESTS, DINING ROOM TABLES, SERVING TABLES, BUFFET TABLES, DISPLAY TABLES, BUFFETS, AND SIDEBOARDS. Registered June 29, 1926. ONEIDA COMMUNITY LIMITED. Renewed June 29, 1946, to Oneida Ltd., Oneida, N. Y., a corporation of New York. Class 32.

214,873. **PRESTIGE.** MAYONNAISE, THOUSAND ISLAND DRESSING, AND SANDWICH SPREAD HAVING A MAYONNAISE BASE. Registered July 6, 1926. THE C. VON ALLMEN PRESERVING CO., Louisville, Ky., a corporation of Kentucky. Renewed July 6, 1946. Class 46.

214,930. **REPRESENTATION OF A HEAD OF A WARRIOR.** COMPLETELY PRINTED BOOKS. Registered July 6, 1926. HIJOS DE J. ESPASA, Barcelona, Spain. Renewed July 6, 1946, to Espasa-Calpe, S. A., Bilboa and Madrid, Spain, a corporation of Spain. Class 38.

215,005. **PICTURE OF A GYPSY GIRL.** DYES AND COLORINGS. Registered July 6, 1926. GYPSY DYES, INC., Chicago, Ill., a corporation of Illinois. Renewed July 6, 1946. Class 6.

215,166. **REPRESENTATION OF TREFOILED RING ETC.** CUT GLASS AND ENGRAVED GLASS. Registered July 13, 1926. T. G. HAWKES & CO., Corning, N. Y., a corporation of New York. Renewed July 13, 1946. Class 33.

215,188. **WONDER.** BREAD AND CAKE. Registered July 13, 1926. TAGGART BAKING COMPANY, Indianapolis, Ind. Renewed July 13, 1946, to Continental Baking Company, New York, N. Y., a corporation of Delaware. Class 46.

215,250. **B-LINE.** ELECTRICAL MOTORS. Registered July 13, 1926. THE BROWN-BROCKMEYER COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed July 13, 1946. Class 21.

215,799. **DRY ICE.** REFRIGERATORS. Registered July 27, 1926. DRYICE CORPORATION OF AMERICA, New York and Long Island City, N. Y. Renewed July 27, 1946, to Pure Carbonic, Incorporated, New York, N. Y., a corporation of Delaware. Class 31.

215,979. **"SPOT LAC" AND DESIGN.** PAINT ENAMELS, DRIED, PASTE, AND READY-MIXED PAINTS AND FINISHING MATERIALS—NAMELY, PAINTS, ENAMELS, AND VARNISHES FOR ALL KINDS OF FINISHING PURPOSES. Registered Aug. 3, 1926. RED SPOT PAINT & VARNISH COMPANY, INCORPORATED, Evansville, Ind., a corporation of Indiana. Renewed Aug. 3, 1946. Class 16.

216,340. **DURBAR.** COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. Registered Aug. 10, 1926. J. SCHOENEMAN, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed Aug. 10, 1946. Class 39.

216,393. **"CHAMPION" ETC.** AIR-COMPRESSOR TANKS. Registered Aug. 10, 1926. CHAMPION PNEUMATIC MACHINERY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 10, 1946. Class 2.

216,576. **ARTESIA.** COMPLEXION CREAM AND ASTRINGENT LOTION. Registered Aug. 17, 1926. THE ARTESIA CREAM COMPANY. Renewed Aug. 17, 1946, to Martha Lee, Inc., Waco, Tex., a corporation of Texas. Class 6.

216,672. **PARK SPRAY.** HUMIDIFYING APPARATUS FOR DISCHARGING WATER VAPOR INTO THE ATMOSPHERE AND REGULATORS THEREFOR. Registered Aug. 17, 1926. PARKS-CRAMER COMPANY, Fitchburg, Mass., a corporation of Massachusetts. Renewed Aug. 17, 1946. Class 23.

216,831. **KENDALL PENZBEST.** REFINED OILS, LUBRICATING OIL, GASOLINE AND PETROLEUM GREASES. Registered Aug. 24, 1926. THE KENDALL REFINING COMPANY, Bradford, Pa., a corporation of Pennsylvania. Renewed Aug. 24, 1946. Class 15.

217,156. **KASHMIRELLA.** WOOLEN PIECE GOODS. Registered Aug. 24, 1926. FORSTMANN & HUFFMANN COMPANY. Renewed Aug. 24, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

217,176. **CHARMINA.** WOOLEN PIECE GOODS. Registered Aug. 24, 1926. FORSTMANN & HUFFMANN COMPANY. Renewed Aug. 24, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

217,311. **"BLUHILL" AND DRAWING.** COFFEE. Registered Aug. 31, 1926. MARTIN BROS. CO. Renewed Aug. 31, 1946, to Bluhill Foods, Incorporated, Denver, Colo., a corporation of Colorado. Class 46.

217,355. **KASHMIR ROYAL.** WOOLEN PIECE GOODS. Registered Aug. 31, 1926. FORSTMANN & HUFFMANN COMPANY. Renewed Aug. 31, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

217,401. **KASHMIR IMPERIAL.** WOOLEN PIECE GOODS. Registered Aug. 31, 1926. FORSTMANN & HUFFMANN COMPANY. Renewed Aug. 31, 1946, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Class 42.

217,660. **NATIONAL.** FOLDING IRONING TABLES. Registered Sept. 7, 1926. NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich. Renewed Sept. 7, 1946, to National Washboard Company, Chicago, Ill., a corporation of West Virginia. Class 24.

217,667. **"TWO HARDY CHIEFS" AND DRAWING.** LIVE POULTRY INCLUDING CHICKENS, DUCKS, GEESE, TURKEYS, AND BREEDING FOWLS, AND EGGS. Registered Sept. 7, 1926. WILLIAM A. WEBER, doing business as Mankato Hatchery. Renewed Sept. 7, 1946, to Charlotte Weight, doing business as Mankato Hatchery, Mankato, Minn. Class 46.

217,759. **"PETER PAN" AND DRAWING.** NUTS IN THEIR NATURAL STATE AND NUT MEATS. Registered Sept. 7, 1926. J. B. INDERRIEDEN CO. Renewed Sept. 7, 1946, to The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois. Class 46.

217,864. **HIGH HAND.** FRESH CITROUS FRUITS—NAMELY, CHERRIES, PLUMS, PEACHES, PEARS, PERSIMMONS, QUINCES, NECTARINES, APRICOTS, FRESH GRAPES. Registered Sept. 14, 1926. LOOMIS FRUIT GROWERS ASSOCIATION, Loomis, Calif., a corporation of California. Renewed Sept. 14, 1946. Class 46.

218,038. **"GOLDEN KETTLE" AND DESIGN.** TABLE SIRUP. Registered Sept. 21, 1926. JOSEPHINE E. SEFFEL, doing business as Golden Kettle Syrup Co. Renewed Sept. 21, 1946, to F. A. Bueche, San Antonio, Tex. Class 46.

218,186. **BUMPER.** WORK SHIRTS. Registered Sept. 21, 1926. SALANT & SALANT, INC., New York, N. Y. Renewed Sept. 21, 1946, to Rice-Stix Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Class 39.

218,432. **PIONEER.** GARDEN AND STEAM HOSE, AND PISTON PACKING. Registered Sept. 28, 1926. PIONEER RUBBER MILLS, San Francisco, Calif., a corporation of California. Renewed Sept. 28, 1946. Class 35.

218,580. **"THE BELL" AND DESIGN.** PYJAMAS, BOYS' SHIRTS, BOYS' SPORT SHIRTS, BOYS' WASHABLE SUITS, NIGHTSHIRTS, AND ROMPERS. Registered Sept. 28, 1926. LUBELL BROTHERS. Renewed Sept. 28, 1946, to Lubell Bros., Inc., New York, N. Y., a corporation of New York. Class 39.

218,829. **HALL'S WINE.** MEDICATED AND TONIC WINE. Registered Oct. 5, 1926. STEPHEN SMITH & COMPANY LIMITED, Bow, London, England, a limited liability company of Great Britain. Renewed Oct. 5, 1946. Class 6.

219,095. **WARNER'S HYPO-ZONE.** SOLUTION HAVING ANTISEPTIC, DEODORANT, DISINFECTANT, AND STERILIZING PROPERTIES. Registered Oct. 12, 1926. MILTON M. WARNER, Brodbecks, Pa. Renewed Oct. 12, 1946. Class 6.

219,435. **S.** PENS, PENCILS, AND DESK STANDS. Registered Oct. 19, 1926. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa, a corporation of Delaware. Renewed Oct. 19, 1946. Class 37.

219,636. **"GRIMES" AND DESIGN.** BEST PATENT WHEAT FLOUR. Registered Oct. 19, 1926. JOHN PERCY GRIMES, doing business as Grimes Milling Company, Salisbury, N. C. Renewed Oct. 19, 1946. Class 46.

219,659. **"GRIMES" AND DESIGN.** SELF-RISING WHEAT FLOUR. Registered Oct. 19, 1926. JOHN PERCY GRIMES, doing business as Grimes Milling Company, Salisbury, N. C. Renewed Oct. 19, 1946. Class 46.

219,974. **AMERICAN FAMILY.** CHEESE. Registered Oct. 26, 1926. MARTIN BROS. CO. Renewed Oct. 26, 1946, to Bluhill Foods, Incorporated, Denver, Colo., a corporation of Colorado. Class 46.

220,041. **"DE LUXE TINT—GOLD SEAL" ETC. AND DESIGN.** WINDOW-SHADES. Registered Nov. 2, 1926. ILLINOIS SHADE CLOTH CORPORATION, Chicago Heights, Ill., a corporation of Illinois. Renewed Nov. 2, 1946. Class 32.

220,082. **"PUCCINI" AND PORTRAIT.** MACARONI. Registered Nov. 2, 1926. B. FILIPPONE & CO. Renewed Nov. 2, 1946, to B. Filippone & Co. Inc., Passaic, N. J., a corporation of New Jersey. Class 46.

220,294. **ESSO.** REFINED, SEMIREFINED, AND UNREFINED OILS, MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND GREASES. Registered Nov. 9, 1926. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed Nov. 9, 1946, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware. Class 15.

220,367. **RED HOT DOLLARS.** CANDIES. Registered Nov. 9, 1926. HENRY HEIDE, INCORPORATED. Renewed Nov. 9, 1946, to Henry Heide, Incorporated, New York, N. Y., a corporation of New York. Class 46.

220,402. **"S" AND DESIGN.** INTERNAL-COMBUSTION ENGINES AND STRUCTURAL PARTS THEREOF, INCLUDING PISTONS. Registered Nov. 9, 1926. THE STUDEBAKER CORPORATION. Renewed Nov. 9, 1946, to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware. Class 23.

220,492. **"PALMER" ETC. AND DRAWING.** BED COMFORTABLES. Registered Nov. 9, 1926. THE PALMER BROTHERS CO., New London, Conn. Renewed Nov. 9, 1946, to The Palmer Brothers Company, Fitchville, Conn., a corporation of Connecticut. Class 42.

220,654. **COMFORLET.** TEXTILE BED COMFORTABLES AND QUILTS. Registered Nov. 16, 1926. THE PALMER BROTHERS COMPANY, New London, Conn. Renewed Nov. 16, 1946, to The Palmer Brothers Company, Fitchville, Conn., a corporation of Connecticut. Class 42.

220,934. **"COLONEL" AND DESIGN.** PINS FOR FINE TEXTILES. Registered Nov. 16, 1926. A. MEYERS & SONS. Renewed Nov. 16, 1946, to A. Meyers & Sons Corp., New York, N. Y., a corporation of New York. Class 40.

220,935. **"MAJOR" AND DRAWING.** DRESSMAKERS' PINS. Registered Nov. 16, 1926. A. MEYERS & SONS. Renewed Nov. 16, 1946, to A. Meyers & Sons Corp., New York, N. Y., a corporation of New York. Class 40.

221,010. **"CELEBRATED EMERSON HAT" AND DESIGN.** MEN'S SOFT AND VELOUR FELT HATS. Registered Nov. 23, 1926. MURPHY GORMAN COMPANY. Renewed Nov. 23, 1946, to The Mallory Hat Company, Danbury, Conn., a corporation of Connecticut. Class 39.

221,072. **KILTIE.** PRESERVED FISH. Registered Nov. 23, 1926. MAC FISHERIES LIMITED, London, England, a corporation of England. Renewed Nov. 23, 1946. Class 46.

221,135. **STEERHEAD.** SOLE LEATHER. Registered Nov. 23, 1926. THE UNITED STATES LEATHER COMPANY. Renewed Nov. 23, 1946, to The United States Leather Company, New York, N. Y., a corporation of New Jersey. Class 1.

221,177. **"DURELASTO" AND DESIGN.** IMPERVIOUS FILM COATINGS OBTAINED FROM CELLULOSE DERIVATIVES. Registered Nov. 23, 1926. WAUKEGAN CHEMICAL COMPANY, North Chicago, Ill. Renewed Nov. 23, 1946, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware. Class 16.

221,208. **BREVOKRAK.** FILM COATING MATERIALS OBTAINED FROM CELLULOSE DERIVATIVES. Registered Nov. 23, 1926. WAUKEGAN CHEMICAL COMPANY, North Chicago, Ill. Renewed Nov. 23, 1946, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware. Class 16.

221,209. **"NIGRODULL" AND DESIGN.** IMPERVIOUS FILM COATINGS MADE FROM CELLULOSE DERIVATIVES. Registered Nov. 23, 1926. WAUKEGAN CHEMICAL COMPANY, North Chicago, Ill. Renewed Nov. 23, 1946, to Atlas Powder Company, Wilmington, Del., a corporation of Delaware. Class 16.

221,330. **CREPE CHENOMA.** WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE COMPRISED IN WHOLE OR IN PART OF SILK. Registered Nov. 30, 1926. CHENEY BROTHERS, South Manchester, Conn., a corporation of Connecticut. Renewed Nov. 30, 1946. Class 42.

221,371. **"UNIVERSAL" ETC. AND DESIGN.** PLASTER BOARD AND PLASTER LATH. Registered Nov. 30, 1926. UNIVERSAL GYPSUM COMPANY, now, Universal Gypsum & Lime Co., Chicago, Ill. Renewed Nov. 30, 1946, to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware. Class 12.

221,412. **PROTEX.** MALT CEREAL CONCENTRATE USED IN THE MANUFACTURE OF BEVERAGES. Registered Nov. 30, 1926. AMERICAN BURTONIZING COMPANY AND WALLERSTEIN LABORATORIES. Renewed Nov. 30, 1946, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York. Class 46.

221,423. **GIANTOL.** CORE OILS. Registered Nov. 30, 1926. TIONA PETROLEUM COMPANY, Philadelphia, Pa., a corporation of Delaware. Renewed Nov. 30, 1946. Class 5.

221,450. **NECTARS.** DRIED RAISINS. Registered Nov. 30, 1926. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif., a cooperative association of California. Renewed Nov. 30, 1946. Class 46.

221,466. **TURNBERRY.** WOOL WORSTED CLOTH BOTH IN THE PIECE AND IN THE BOLT. Registered Nov. 30, 1926. KAHN TAILORING CO., Indianapolis, Ind., a corporation of Indiana. Renewed Nov. 30, 1946. Class 42.

221,528. **"DURALBA" ETC. AND DRAWING.** ARTISTS' COLORS, STUDENTS' AND SHOW-CARD COLORS IN ALL MEDIUMS IN TUBES, PANS, BOTTLES, JARS, CANS, CAKES, STICKS, AND BOXES. Registered Dec. 7, 1926. F. WEBER CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 7, 1946. Class 16.

221,539. **EMERALD.** SURGICAL AND DENTAL SYRINGES. Registered Dec. 7, 1926. MACGREAGOR INSTRUMENT COMPANY, Needham, Mass., a corporation of Massachusetts. Renewed Dec. 7, 1946. Class 44.

221,561. **LIMBER LASTIC.** SURGICAL ELASTIC FABRIC GOODS, INCLUDING STOCKINGS, HEAD BANDS, ARM BANDS, BREAST SUPPORTERS, ABDOMINAL BINDERS, ANKLETS, LEG BANDS, ELASTIC ARCH SUPPORTERS, WRISTLETS, ATHLETIC SUPPORTERS, SUSPENSORIES, AND JOCKEY STRAPS. Registered Dec. 7, 1926. BREWER & COMPANY, INC., Worcester, Mass., a corporation of Massachusetts. Renewed Dec. 7, 1946. Class 44.

221,621. **"WHIP-MIX" AND DRAWING.** DENTAL INVESTMENT, DENTAL STONE, AND DENTAL PLASTER. Registered Dec. 7, 1926. FALLS CITY DENTAL SPECIALTY CO. INC. Renewed Dec. 7, 1946, to Whip-Mix Corporation, Louisville, Ky., a corporation of Kentucky. Class 44.

221,685. **HONEY FLUFF.** BREAD. Registered Dec. 7, 1926. GROCERS BAKING COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed Dec. 7, 1946. Class 46.

221,700. **FLASHTRIC.** OUTDOOR AND INDOOR ELECTRIC SIGNS. Registered Dec. 7, 1926. FLASHTRIC SIGN WORKS. Renewed Dec. 7, 1946, to Flashtric-Neon Signs and Maintenance, Chicago, Ill., a partnership. Class 21.

221,739. **PEACOCK.** HAND-BRAKE MECHANISM FOR RAILWAY CARS. Registered Dec. 7, 1926. NATIONAL BRAKE COMPANY INCORPORATED, Buffalo, N. Y. Renewed Dec. 7, 1946, to National Brake Company Incorporated, New York, N. Y., a corporation of New York. Class 19.

221,741. **"FRUIT SEAL" AND DRAWING.** FRUIT JUICES, CERTAIN SIRUPS, EXTRACTS, AND CONCENTRATES OF FLAVORS USED IN THE MANUFACTURE OF SOFT DRINKS. Registered Dec. 7, 1926. GUSTAV GUTFREUND, doing business as Fruit Seal Products Co. and Lamona Extract & Mfg. Co. Renewed Dec. 7, 1946, to Clarence Marco, Des Moines, Iowa. Class 45.

221,747. **"MONUMENT MILLS" AND DRAWING.** BEDSPREADS AND COUNTERPANES COMPOSED USUALLY OF COTTON, SILK, ARTIFICIAL SILK, OR A DESIRED COMBINATION OF MATERIALS. Registered Dec. 7, 1926. MONUMENT MILLS, Housatonic, Mass., and New York, N. Y. Renewed Dec. 7, 1946, to Monument Mills, Housatonic, Mass., a corporation of Massachusetts. Class 42.

221,752. **"AG BRAND" AND DESIGN.** MALT SIRUP. Registered Dec. 7, 1926. ASSOCIATED GROCERS COMPANY, INC., St. Louis, Mo., a corporation of Missouri. Renewed Dec. 7, 1946. Class 46.

221,766. **"DU PONT" WITHIN OVAL.** RAW ARTIFICIAL SILK. Registered Dec. 7, 1926. DU PONT RAYON COMPANY, Buffalo, N. Y. Renewed Dec. 7, 1946, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Class 1.

221,833. **"WOODWIN"** SINGLE FLUSH RECEPTACLES, DUPLEX FLUSH RECEPTACLES, SIGN RECEPTACLES, PORCELAIN RECEPTACLES WITH OUTLET BOXES, PORCELAIN RECEPTACLES FOR METAL SIGNS, WEATHERPROOF SOCKETS, ROUND CONVENIENCE OUTLETS, CANOPY SWITCHES, ELECTROLIER CANOPY SWITCHES, AND CHRISTMAS-TREE-LIGHTING OUTFITS. Registered Dec. 14, 1926. C. D. WOOD ELECTRIC COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Dec. 14, 1946. Class 21.

221,877. **EL PRIMO.** CIGARS. Registered Dec. 14, 1926. E. GOSS & COMPANY. Renewed Dec. 14, 1946, to El Primo Cigar Company, San Francisco, Calif., a firm. Class 17.

221,882. **"TRIANGLE" ETC. AND DESIGN.** CUE BALLS. Registered Dec. 14, 1926. ALBANY BILLIARD BALL CO., Albany, N. Y., a corporation of New York. Renewed Dec. 14, 1946. Class 22.

221,886. **LE PARFUM IDEAL.** PERFUME, TOILET WATER, LOTION, EAU VEGETALE, FACE POWDER, SACHETS, DUSTING POWDER, TALCUM POWDER, COMPACT POWDER, COMPACT ROUGE, BATH SALTS, AND BRILLIANTINE. Registered Dec. 14, 1926. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed Dec. 14, 1946. Class 6.

221,897. **"SALICON" AND DESIGN.** TABLETS FOR COLDS, INFLUENZA, GRIPPE, RHEUMATISM, HEADACHE. Registered Dec. 14, 1926. K. A. HUGHES COMPANY, Boston, Mass., a corporation of Maine. Renewed Dec. 14, 1946. Class 6.

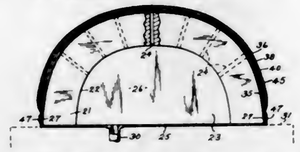
221,909. **"MORNING STAR" ETC. AND DESIGN.** RAYON, FIBER SIDING, AND COTTON AND RAYON PIECE GOODS. Registered Dec. 14, 1926. JOSEPH MORNINGSTAR & CO. INC. Renewed Dec. 14, 1946, to Morningstar, Nicol, Inc., New York, N. Y., a corporation of Delaware. Class 42.

221,922. **NU-ROY.** MEN'S SHOES MADE WHOLLY OR IN PART OF LEATHER. Registered Dec. 14, 1926. ASSOCIATED MERCHANDISING CORPORATION. Renewed Dec. 14, 1946, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York. Class 39.

PATENTS

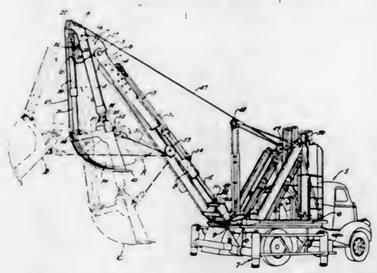
GRANTED NOVEMBER 26, 1946

2,411,497
MAKING LAMINATED ARTICLES
John S. Barnes, Skaneateles, N. Y., assignor to Skaneateles Boats, Inc., Skaneateles, N. Y., a corporation of New York
Application October 3, 1940, Serial No. 359,559
3 Claims. (Cl. 18—56)



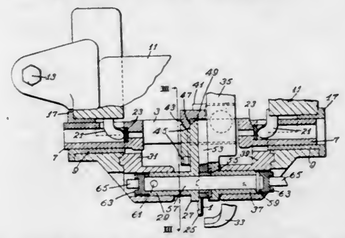
1. The method of making articles by molding moldable material on a removable form by differential fluid pressure, which comprises providing a rigid form having a working surface of the desired shape of the article, applying moldable material to said working surface, covering said moldable material with a substantially air-tight pressure membrane of transparent, flexible sheet material in such manner as to form an entirely enclosed space, said pressure membrane being constructed by joining together pieces of said sheet material in situ on the form, connecting said space to a source of suction to draw said transparent membrane against said moldable material to permit inspection thereof, and thereafter subjecting said moldable material to a molding operation in which fluid pressure is applied to the outside of said membrane while said space is connected to a zone of lower pressure, and separating the molded article.

2,411,498
PULL SHOVEL
Roy O. Billings, Milwaukee, Wis.
Application March 14, 1945, Serial No. 582,653
12 Claims. (Cl. 214—138)



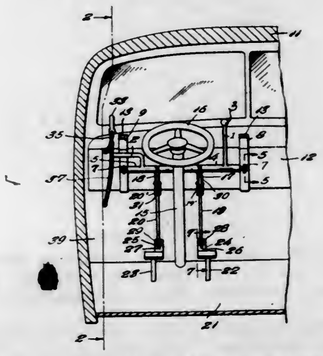
1. In a pull shovel having a boom, a bucket stick pivotally connected to an outer end portion of said boom for jack-knife swinging movement with respect thereto, a bucket pivotally connected to a lower portion of said bucket stick, means including an hydraulic ram forming a longitudinally extendible back brace for the bucket, the lower end of said back brace being pivotally connected to the bucket at a point spaced rearwardly of the bucket from the pivotal connection for the bucket stick and an upper portion of said back brace being pivotally connected to the bucket stick, means controlled from a remote point for causing hydraulically actuated extension of said ram, and means including cable and sheave mechanism controlled from a remote point for causing retraction of said ram.

2,411,499
SEWING MACHINE
Hubert Boothroyd, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 29, 1945, Serial No. 602,197
In Great Britain July 19, 1944
6 Claims. (Cl. 112—35)



1. A chain stitch inseam shoe sewing machine having a frame member, stitch forming devices in the frame member including a curved hook needle, an awl, a channel guide, and a carrier on which the needle and a second one of the stitch forming devices are mounted, and a separate carrier on which the third one of the stitch forming devices is mounted, in combination with readily removable bearing members for said carriers secured in the frame member with a fastening common to more than one of the bearing members.

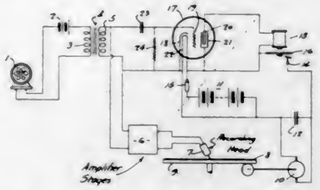
2,411,500
CONTROL FOR AUTOMOBILES
George T. Bradley, Kerens, Tex.; Louise N. Bradley administratrix of said George T. Bradley, deceased
Application February 1, 1945, Serial No. 575,701
3 Claims. (Cl. 74—481)



1. The combination with an automobile body instrument panel, and brake and clutch pedals,

respectively, of hand-operated means for depressing said pedals selectively comprising a horizontal shaft mounted in said body in front of said panel, a pair of hand levers mounted on said shaft in upstanding position and to rock thereon from a normal position, a pair of crank arms extending rearwardly from said levers, a pair of upstanding push rods slidably extended at the lower ends thereof through the floor of said body in front of said pedals, respectively, operating connections between said crank arms and the upper ends of said push rods, and pick-up connections between said push rods and said pedals respectively.

2,411,501
SOUND RECORDING SYSTEM
George P. Brubaker, Los Angeles, Calif., assignor to Memovox, Incorporated, Beverly Hills, Calif., a corporation of Ohio
Application May 16, 1944, Serial No. 535,778
6 Claims. (Cl. 179—100.4)



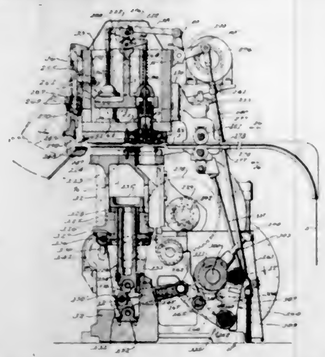
1. In a recording system utilizing a moving record blank: a recording head; means for imparting motion to the blank; means for transmitting impulses to be recorded to the head; and means for causing said motion imparting means to be active during periods when impulses are being transmitted, comprising an electronic emission device; an output circuit for said device and controlling said means for imparting motion; and an input circuit for the device, said input circuit being subjected to the impulses and so proportioned that existence of said impulses causes reduction of the current in the output circuit.

2,411,502
TREATMENT OF MINERAL OILS
Lawton A. Burrows, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 15, 1945, Serial No. 599,745
6 Claims. (Cl. 196—13)

1. The process of treating mineral oils and separating various constituents therein contained, which comprises mixing the mineral oil with nitrocyclohexane and effecting substantial solution therebetween, cooling the solution to a temperature at which segregation into more than one portion results, and separating said segregated portions.

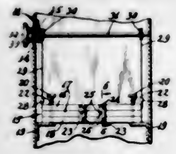
2,411,503
CUPPING PRESS
Amos Calleson and Edgar A. Calleson, Merrick, N. Y., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application January 3, 1941, Serial No. 373,028
32 Claims. (Cl. 113—38)

1. A press comprising a punch, means for guiding said punch substantially rectilinearly, a rectilinearly reciprocable slide, thrust means between said slide and punch comprising a link having a ball head at each end and bearings for said heads in connection with said slide and punch respectively, said link having an axial bore and said bearings having perforations registering with said bore, a knock-out member movable in said punch, and an operating rod for said member extending with clearance through said perforations and bore.



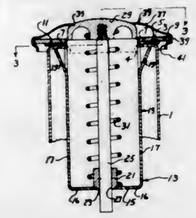
8. A press comprising a draw ring member, a drawing punch reciprocable in said ring member between upper and lower limits, a hollow drawing die member cooperative with said ring member and punch, a knock-out device reciprocable in said punch, a main shaft; and means driven from said shaft for approaching said members, for driving said punch, and for driving said knock-out device to move said device below the lower limit of said punch to clear a formed article from the latter.

2,411,504
FUEL SAVING DEVICE FOR OIL HEATERS
Jo[illegible]lise, New York, N. Y.
Applicati[illegible] 18, 1942, Serial No. 447,538
[illegible]ns. (Cl. 110—97)



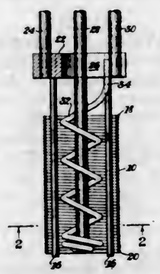
1. A fuel saving device, comprising a housing for the passage of heat and having spaced side walls, horizontal support members mounted on said side walls, a laminated heat retaining member rested on said support members, vertical headed studs extending from said support members and slidably extended through complementary openings formed in the layers of said heat retaining member limiting movement of said layers relative to each other to the vertical only, means for lifting the top layer of said heat retaining member, spaced vertically extending strips having their top ends securely attached to opposite sides of the top layer and their free ends projected downwards along opposite sides of the bottom layers of said heat retaining member and formed with spaced vertically extended elongated slots aligned with the edges of said bottom layers, and pins from said bottom layers engaging said vertical slots, said slots for said bottom layer being slightly longer than the slots for the next layer above, whereby when said top layer is lifted each of said bottom layers will be successively lifted and spaced from each other.

2,411,505
THEFTPROOF FILL PIPE CLOSURE
Earl B. Chamberlain, Fort Wayne, and Robert M. Kolter, Decatur, Ind.
Application January 11, 1945, Serial No. 572,330
5 Claims. (Cl. 220—86)



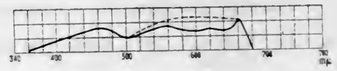
5. The combination with a fill pipe having an end flange provided with opposed notches, a support comprising an annular element and a gasket adapted to rest upon the outer side of the flange, arms fixed to and depending from said element and passing through said notches, outwardly directed spring fingers on said arms constructed and arranged to engage said flange to hold said support against withdrawal from the pipe, to hold said gasket compressed and to centralize said support, a baffle supported by said arms transversely of said pipe to prevent the insertion of liquid removing means, a cap crimped about and supported on said element, said cap having a fill opening, closure means, guide means in said baffle for said closure and yieldable means for urging said closure into closing position with respect to said opening.

2,411,506
CATHODE STRUCTURE
Paul Georges Chevigny, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application February 6, 1943, Serial No. 474,968
6 Claims. (Cl. 250—27.5)

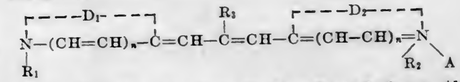


1. A cathode for electron discharge devices comprising, in combination, a supporting member, a plurality of circumferentially positioned rods mounted in said supporting member, a ring extending about and attached to all of said rods, a closely spaced helical winding of substantially uniform diameter extending about said rods and supported by said ring and unattached to the rods, and a second ring extending about and attached to all of said rods at the other end of said winding for holding the same in place on said rods between the two rings.

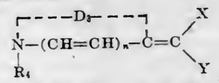
2,411,507
PHOTOGRAPHIC MATERIAL
Ronald Bernard Collins, Ilford, and John Miller, Nottingham, England, assignors to Ilford Limited, Ilford, England, a British company
Application December 6, 1944, Serial No. 566,823
In Great Britain December 20, 1943
12 Claims. (Cl. 95—7)



1. Silver halide photographic emulsions containing a sensitizing dyestuff of the general formula:

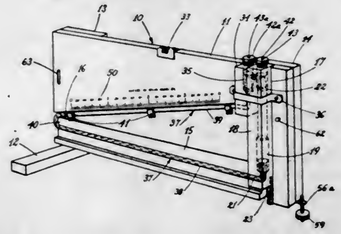


where R_1 and R_2 are each selected from the group consisting of alkyl and aralkyl groups, R_3 is selected from the group consisting of the hydrogen atom, alkyl and aralkyl groups, D_1 and D_2 are each selected from the group consisting of residues of heterocyclic nitrogen nuclei, A is an acid radicle and n is selected from the group consisting of nought and one, and a compound of the general formula:



where D_3 is selected from the same class as D_1 and D_2, R_4 is selected from the same class as R_1 and R_2, X is selected from the class consisting of the carboxyl, carboxylic ester, acyl and nitrile groups, and atoms which with Y form the residue of a 5-membered keto-methylene ring, and Y is selected from the group consisting of carboxyl, carboxylic ester, nitrile and acrylic ester groups and atoms which with X form the residue of a 5-membered keto-methylene ring, and n is selected from the group consisting of nought and one.

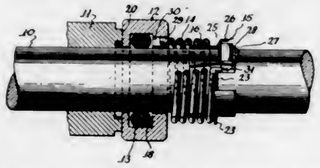
2,411,508
PRESSURE GAUGE
Frank W. Dwyer, Chicago, Ill.
Application July 3, 1943, Serial No. 493,379
12 Claims. (Cl. 73—401)



1. In a pressure gauge, an upstanding supporting member, a reservoir vertically adjustable thereon, a conduit in communication with said reservoir and in the form of an angle with one side extending diagonally upwardly and lat-

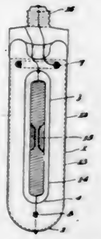
erally, and rigidly secured to said member, said conduit being of flexible material and transparent, said reservoir and conduit being adapted to contain a liquid, a scale associated with said conduit graduated to indicate the pressure on said reservoir, and means for vertically adjusting said reservoir by flexing said conduit for adjusting the meniscus of the liquid in said conduit to zero on said scale.

2,411,509
SHAFT SEAL
Peter Endebak, Chicago, Ill., assignor to Tuthill Pump Company, Chicago, Ill., a corporation of Illinois
Application August 4, 1944, Serial No. 548,067
5 Claims. (Cl. 286—7)



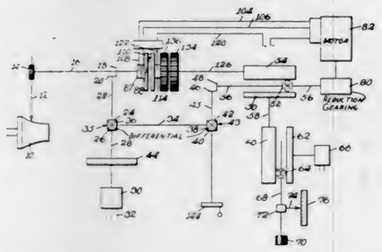
1. In a seal for a rotatable member, a relatively fixed bearing member, a thrust collar loosely mounted on said rotatable member in end-wise bearing engagement with said bearing member, a sealing member carried by said thrust collar in fluid-tight relation with said rotatable member, a second generally cylindrical collar slidably mounted on said rotatable member and provided with an integral radially off-set partially severed peripheral portion forming an outwardly opening slot, a coil spring affording endwise yieldable thrust connection between said second collar and said thrust collar, a drive pin detachably mounted in said rotatable member and normally maintained in the latter between said offset peripheral portion of said second collar by compression of said coil spring, but releasable from said peripheral portion and said rotatable member by sliding said second collar endwise against said spring.

2,411,510
LUMINESCENT LAMP WITH TURBULENT DISCHARGE
Jean Baptiste Joseph Marcel Abadie, Puteaux, France; vested in the Alien Property Custodian
Application January 22, 1940, Serial No. 315,017
1 Claim. (Cl. 176—122)



A gaseous discharge tube containing an ionizable gas and having a pair of electrodes spaced to produce an electronic discharge for ionizing the gas, magnetic means positioned relatively intermediate the electrodes for producing a magnetic field in the path of the electronic discharge and a photoluminescent body contained within the tube, the magnetic field, the electronic field and the photoluminescent body being so related that the magnetic field elongates the path of the electronic discharge and deflects it toward the photoluminescent body to increase the friction of the discharge upon the body.

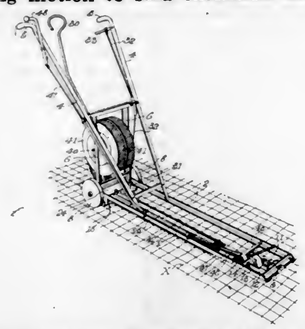
2,411,511
ORDNANCE DATA CORRECTING APPARATUS
Walter L. Abel, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 9, 1943, Serial No. 482,518
4 Claims. (Cl. 235—61.5)



1. Apparatus for correcting ordnance data for changes occurring during dead time comprising a fuse value computing and predicting device, means driven by said device in accordance with predicted fuse values, a shaft, driving connections between said means and said shaft whereby the shaft is rotated in accordance with changes in predicted fuse values, a variable speed drive having a driving element, a driven element and a movable speed varying element, means for driving said driving element at a speed proportional to the reciprocal of the dead time interval for which correction is to be made, independently driven power-operated means, having control means sensitive to differences between the speeds of said shaft and said driven element, for automatically moving said speed varying element so as to cause said driven element to move in accordance with changes in the predicted fuse value, and means for combining the movements of the speed varying element with the rotation of said shaft.

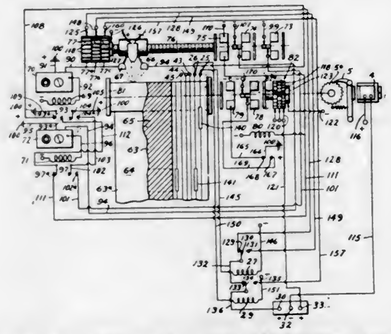
2,411,512
WEAVING APPARATUS
Joseph E. Arena, United States Army, Hammonton, N. J.
Application February 21, 1946, Serial No. 649,447
6 Claims. (Cl. 28—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Apparatus for weaving a strand into a substantially horizontally disposed open-mesh cross-strand fabric comprising a wheeled carriage adapted for movement over said fabric, an elongate strip adapted to assume a substantially horizontal position in close proximity to said fabric, a deflectible extension on one end of said elongate strip, a second elongate strip disposed above and in substantial parallelism with said first-named strip whereby the strand to be woven may be inserted between said strips, the upper strip being disposed to converge upon and engage the inserted strand at a point which is adjacent the deflectible extension on the lower strip, and means on said deflectible extension for engagement by the cross-strands of the fabric to impart a weaving motion to said extension during the



unitary longitudinal movement of the upper and lower strips with the wheeled carriage.

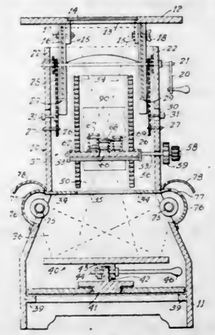
2,411,513
MEASURING DEVICE
Jacques Bergier, Alfred Eskenazi, and André Helbronner, Lyon, France; vested in the Alien Property Custodian
Application February 26, 1943, Serial No. 477,311
10 Claims. (Cl. 177—380)



1. In an automatic curve follower, a curve following device, means for producing relative movement between said device and said curve along one axis, means for producing relative movement between said device and said curve along an axis transversely of said first named axis, means for forcing said device to follow said curve during said axial movements, a plurality of series of impulse means, each series having a different number of contacts therein and being simultaneously operable at the same speed with relation to the device to emit impulses proportional in number to the unit of movement of said device along one of said axes, and means operable during the movement along said other axis for automatically selecting any one of said series for operation.

2,411,514
REPRODUCING AND PROJECTING APPARATUS
Samuel Blanc, Grantwood, N. J.
Application July 29, 1944, Serial No. 547,248
6 Claims. (Cl. 88—24)

1. In apparatus of the character described, a cabinet having an open top, a table disposed above and across said top and including a translucent panel, said table being pivotally supported on a substantially horizontal axis, means for raising and lowering the table with respect to the cabinet, an object-holder in the lower portion of the cabinet, means for tilting the object-holder, means for directing light rays onto the object-holder, and lens means positioned in the cabinet intermediate the object-holder and the table,



said lens means comprising a plate, an opening in the plate, and a plurality of lenses having different focal lengths, said lenses being independently and pivotally secured to the plate and being so constructed and arranged that only one thereof at a time may be pivoted so as to register with the opening.

2,411,515
ELECTRON DISCHARGE DEVICE
Cecil E. Brigham, East Orange, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 17, 1943, Serial No. 483,378
In Great Britain December 31, 1940
2 Claims. (Cl. 250—27.5)

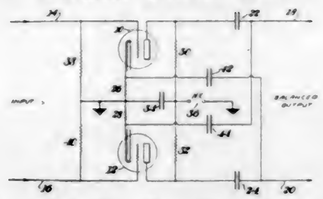


1. An electron discharge device comprising a cathode and an anode, and interposed therebetween an accelerating electrode, all of the said electrodes being of linear form and disposed in parallel relation; the said cathode having two flat intersecting sides facing the said accelerating electrode and at an angle to each other which is less than 180 degrees on the side away from the said accelerating electrode, and symmetrically disposed thereto, whereby the proportion of the electrons captured by the said accelerating electrode is reduced.

2,411,516
ETHERS OF ENDOETHYLENE-SUBSTITUTED CYCLOPENTANOLS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 24, 1944, Serial No. 537,183
8 Claims. (Cl. 260—611)

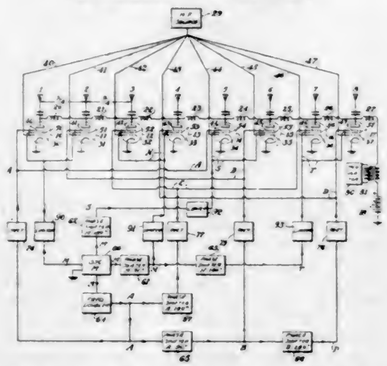
1. As a new compound, an acid-catalyzed addition-rearrangement product of an aliphatic alcohol and an adduct of cyclopentadiene with styrene, said product being an ether of endoethylene-substituted phenyl cyclopentanol.

2,411,517
COUPLING AMPLIFIER
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 16, 1943, Serial No. 472,589
3 Claims. (Cl. 179—171)



1. A coupling amplifier comprising a pair of triodes, input leads connected to the grids of said triodes, resistors individually connecting each cathode to ground, a pair of output leads, means for capacitatively coupling one output lead to the anode of one triode and the cathode of the other triode, means for capacitatively coupling the other output lead to the anode of the other triode and the cathode of the one triode, and means including individual resistors and a common condenser for connecting each anode to ground.

2,411,518
ELECTROMAGNETIC WAVE TRANSMISSION SYSTEM
Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 12, 1943, Serial No. 482,677
In France May 27, 1942
19 Claims. (Cl. 250—11)



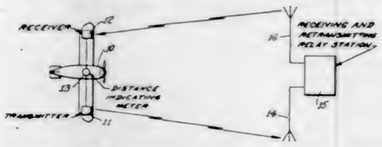
1. An antenna system comprising a plurality of antennas arranged in a predetermined array, each of said antennas having substantially the same radiation pattern, and antenna conditioning means connected to said antennas to condition the same for successive wave translation in a manner simulating the effect of a single antenna together with its radiation pattern moving through space.

2,411,519
EYELASH CURLER
Eve Byron, South Gate, Calif.
Application October 30, 1944, Serial No. 561,092
5 Claims. (Cl. 132—32)

5. In an eyelash curler, a longitudinally curved jaw member formed with a channel of arcuate cross section on an edge thereof, a flange on said jaw member having an inclined face extending in continuation of a margin of said channel, a second longitudinally curved jaw member having an edge opposing the channeled edge of the first named jaw member, said jaw members being normally slightly offset relative to each other so that the edge of said second jaw member will overlie the outer portion of the inclined face of said flange, means for moving at least one of said jaw members relative to the other to advance the inclined face up and down in overlying relation to the contiguous edge of the second jaw member, and yieldable spring means for pressing the inclined face against said contiguous edge or against eyelashes interposed between said jaw members.



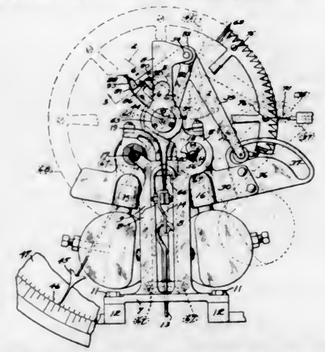
2,411,520
RADIO LOCATING SYSTEM
William H. Capen, Mountain Lakes, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 22, 1939, Serial No. 310,516
9 Claims. (Cl. 250—1)



1. A distance determining system, comprising means for transmitting radio frequency waves of cyclically varying frequency from a first station, means at a second station comprising a repeater for receiving said radio frequency waves and transmitting therefrom under control of said received waves corresponding radio frequency waves cyclically varying in frequency, means at said first station for receiving the waves transmitted from said second station and other waves varying in frequency corresponding to the frequency variations of waves from said first named transmitting means, and means at said first station responsive to said received waves and said other waves for comparing the frequency of said received waves and said energy for determining the distance between said first and second stations.

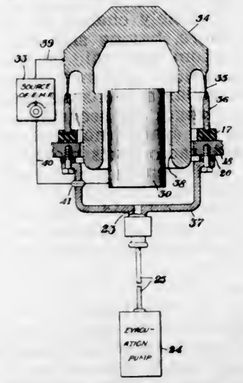
2,411,521
DIAL HEAD UNIT FOR WEIGHING AND RECORDING SCALES
Oswald S. Carliss, Fairfield, Conn., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application November 24, 1941, Serial No. 420,208
10 Claims. (Cl. 265—62)

1. In a weighing scale a light duty movement multiplying transmission for translating the relatively small displacements of a weighable load counterbalancing mechanism into respectively greater corresponding displacements of a weight indicator embodying the combination with said load counterbalancing mechanism of, pinion teeth connected to actuate the weight indicator, main gear teeth connected to be actuated by the load counterbalancing mechanism meshing with and so cooperatively related in shape and size to said pinion teeth that bind preventing play is present between all intermeshed teeth despite dimensional diversity thereof, auxiliary gear teeth in mesh with said pinion gear teeth, means



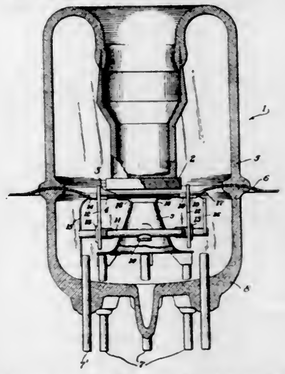
independent of said pinion teeth restricting said auxiliary gear teeth to limited play in their pinion driving path of movement between predetermined spaced positions relative to said main gear teeth, and resilient means connected to derive thrust from said main gear teeth and transmit said thrust to said auxiliary gear teeth in a manner to urge the latter constantly toward one of said predetermined positions relative to said main gear teeth thereby to cause at least one of said auxiliary gear teeth to urge one of said pinion teeth constantly against one of said main gear teeth.

2,411,522
PREPARATION OF ELECTRODES
Paul Georges Chevigny, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 16, 1944, Serial No. 568,460
12 Claims. (Cl. 316—1)



1. The process of preparing an electrode comprising arranging said electrode adjacent a metallic member in a vacuum and applying a voltage between said electrode and said member of such value as to produce sparking therebetween and to burn off minute projections on the surface of said electrode.

2,411,523
ELECTRON DISCHARGE DEVICE
Paul Georges Chevigny, New York, N. Y., and John J. Glauber, West Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 4, 1944, Serial No. 543,446
9 Claims. (Cl. 250—27.5)

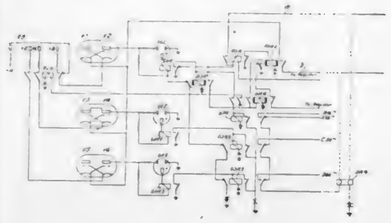


1. An electron discharge device comprising, an insulating envelope, a cathode, a grid, an anode, means mounting said anode within one end of said envelope, a plurality of leads extending through the other end of said envelope, and means mounting said grid and cathode in said envelope in spaced relation with said anode, said means including a hollow metal support having a flanged base attached to the inner ends of certain of said leads, and insulating spacers attached to said hollow support, said cathode and grid being carried as a unit by said spacers, and one or more conductors interconnecting the top of said hollow support with said cathode.

2,411,524
PROCESS FOR THE PRODUCTION OF ZIRCONIUM HYDRIDE
Lewis W. Davis, Peabody, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts
No Drawing. Application October 4, 1943, Serial No. 504,908
6 Claims. (Cl. 23—204)

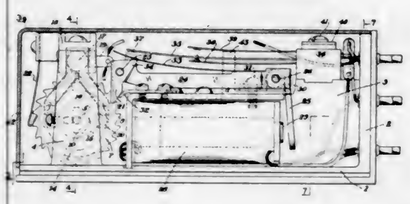
1. A method of production of zirconium hydride consisting of the following steps; mixing zirconium oxide with magnesium chips or powder in molal proportions with only a limited excess of magnesium, placing the charge in a closed retort, evacuating all the air from the retort and the charge and replacing it with hydrogen, increasing the pressure of hydrogen appreciably above the atmospheric pressure, gradually heating the charge to a temperature of 660° C., continuing the heating until the temperature of the charge has reached at least 900° C., withdrawing all the hydrogen from the retort and establishing a vacuum, continuing the heating until all traces of free magnesium are evaporated from the charge, readmitting hydrogen in the retort and cooling the charge in a hydrogen atmosphere which is continually supplied to it until the charge is at room temperature.

2,411,525
PARTY LINE RINGING SYSTEM
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 2, 1944, Serial No. 524,735
25 Claims. (Cl. 179—17)



1. In a telephone exchange system, a party line comprising a plurality of stations, a final selector including a set of wipers and a plurality of cooperating sets of terminals one for each station on said party line, a magnet for controlling the movement of said wipers over said terminals, a register controller, means under the control of said register controller for controlling said magnet to cause said wipers to engage a set of terminals corresponding to a wanted station on said party line, a source of direct current potentials, means for applying to one of the terminals of each set of terminals a direct current potential characteristic of each party line station, a plurality of sources of ringing current and means in said register controller responsive to said characteristic direct current potentials for applying a selected source of ringing current to said party line.

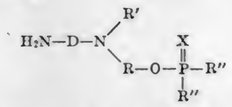
2,411,526
IMPULSE STORING AND REPEATING DEVICE
Gerald Deakin, New York, and Ernest S. McLarn, Manhasset, N. Y., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 31, 1945, Serial No. 586,005
9 Claims. (Cl. 179—16)



1. An impulse storing and repeating device comprising lead and follower driven members supported and formed for inter-engagement to establish a coacting position, a first magnet to advance the lead member responsive to received impulses, a second magnet to advance the follower member, an energizing circuit for the second magnet including a control switch adapted to be opened in the engaging position of the driven members and closed when the lead member is in advanced relation with respect to the follower member and interrupter contacts arranged to be actuated by said second magnet.

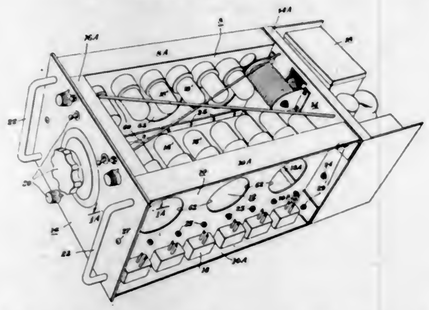
2,411,527
N-PHOSPHATOARYLENEDIAMINES
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 4, 1943, Serial No. 478,002
9 Claims. (Cl. 260—461)

1. A compound characterized by the following general formula:



wherein D represents a member selected from the group consisting of o-arylene and p-arylene groups, R represents an alkylene group having at least two carbon atoms, R′ represent a member selected from the group consisting of hydrogen and alcohol radicals, R″ represents a member selected from the group consisting of hydroxyl groups, alkoxyl groups, alkylthio groups and amino groups and X represents an atom selected from the group consisting of oxygen and sulfur.

2,411,528
RADIO ASSEMBLY
Sven H. M. Dodington, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 11, 1943, Serial No. 513,965
3 Claims. (Cl. 250—16)



1. A radio assembly chassis in the form of a box like structure, having side and other walls including a bottom wall, said bottom wall and a plurality of said side walls each comprising a flat, flanged, rectangular sub-chassis member, means including the flanges for securing said members together with the spaces included by the flanges facing outward, radio parts mounted on the inside face of said members and radio parts and wiring mounted on the outside thereof within said flange spaces, all said radio parts and wiring mounted on each said sub-chassis members constituting a substantially complete circuit unit.

2,411,529
ATTACHMENT FOR STRAIGHT EDGES
John F. Dohrwardt and Dorothy M. Dohrwardt, Detroit, Mich.
Application July 12, 1944, Serial No. 544,532
2 Claims. (Cl. 33—107)

1. An attachment for a straight edge comprising an elongated strip of material bent to provide a mid portion for underlying the straight edge and end portions projecting toward each other for overlying the straight edge, said attachment being proportioned to slide freely along the



straight edge, said strip being formed on its drawing-engaging face with at least one rib transversely rounded and extending substantially from end to end of said face to minimize contact of the attachment with a drawing.

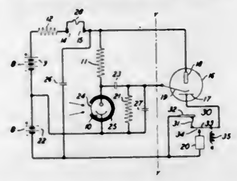
2,411,530
PARASITICIDAL COMPOSITIONS
Robert R. Dreisbach and Fred W. Fletcher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 1, 1942, Serial No. 425,334
6 Claims. (Cl. 167—24)

6. An insecticidal composition comprising as active ingredients (1) an alkylated naphthalene having the formula



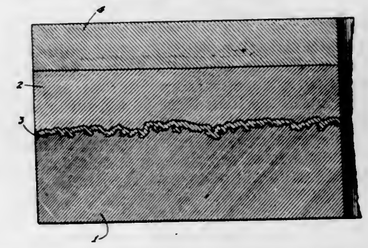
wherein R is selected from the group consisting of ethyl and propyl radicals, x is an integer from 1 to 5, inclusive, and the sum of the carbon atoms in the alkyl substituents is at least 3, and (2) a member of the class of plant toxicants consisting of pyrethrins and rotenone.

2,411,531
ELECTRO-OPTICAL CONTROL SYSTEM
George B. Engelhardt, Hartsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1944, Serial No. 559,637
11 Claims. (Cl. 250—41.5)



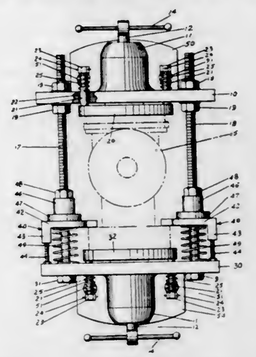
4. An electro-optical control system comprising a gaseous discharge trigger tube having a cathode, a main anode and a control anode, a light sensitive electric device, a load circuit including a load device, a resistor connected between and in series with said light sensitive electric device and said load device, said series circuit being connected between said main anode and said cathode, a source of potential connected across that portion of said series circuit including said light sensitive electric device and said resistor, a connection through a condenser from said control anode to said series circuit at the junction between said light sensitive electric device and said resistor, another connection from said control anode to said cathode including in series relationship a portion of said source of potential and a second resistor, and a second condenser in shunt of said second resistor.

2,411,532
METHOD OF ROUGHENING STEEL
Charles A. Escoffery, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 16, 1945, Serial No. 578,225
7 Claims. (Cl. 41—42)



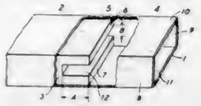
1. The method comprising roughening a surface of a low carbon steel having a carbon content no greater than 0.5% with a mixture of concentrated sulphuric acid and an aqueous solution of nitric acid, the normality of said solution being between about 0.5 and 6 and the quantity by volume of said concentrated sulphuric acid based on the volume of said solution being no greater than 0.2%.

2,411,533
CLAMP
Charles P. Feudtner, New York, N. Y.
Application October 4, 1945, Serial No. 620,382
4 Claims. (Cl. 279—110)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



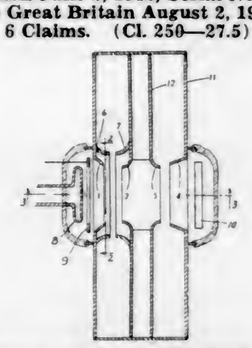
1. A clamp for holding valves comprising a first support and a second support, means to vary the spacing between said supports, work holding plates between said supports, means to provide a floating connection between said supports and said work holding plates, means between said plates to additionally hold the work, and means to force said work holding plates toward the work.

2,411,534
IMPEDANCE TRANSFORMER
Arthur Gardner Fox, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1943, Serial No. 481,102
24 Claims. (Cl. 178—44)



1. An impedance transforming section for connecting together without reflection two wave guides, said section and each of said guides comprising a metallic sheath of the same cross-section, one of said guides having a core of solid dielectric material, the other of said guides having a core of dielectric material which has a dielectric constant different from that of said core in said one guide, and said section having a length approximately equal to a quarter wave-length and a dielectric core which has an effective dielectric constant of a value to provide an impedance match at each end of said section.

2,411,535
HIGH-FREQUENCY ELECTRON DISCHARGE APPARATUS
John Heaver Fremlin, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application June 2, 1942, Serial No. 445,505
In Great Britain August 2, 1940
6 Claims. (Cl. 250—27.5)



1. An electron discharge apparatus comprising cavity resonator means having a first gap for modulating the velocity of electrons and a second gap for yielding energy to the resonator means, means for generating an electron beam and positioned for directing it through said gaps and to said gaps and screening means applied to the first gap for reducing the intensity of the oscillating field therein.

2,411,536
METHOD FOR PRODUCING ALKYL ESTERS OF HIGHER FATTY ACIDS
Frederick H. Gayer and Charles E. Fawkes, Chicago, Ill., assignors to Continental Research Corporation, Chicago Heights, Ill., a corporation of Illinois
No Drawing. Application January 21, 1942, Serial No. 427,536
14 Claims. (Cl. 260—97.5)

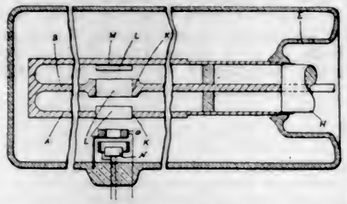
1. The process of esterifying the fatty acids contained in a tall oil mixture of fatty acids and resin acids, which comprises treating a mixture consisting of said tall oil and an excess of a low molecular weight monohydric aliphatic alcohol, in the absence of a catalyst, at a superatmospheric pressure and a temperature of from about the boiling point of the mixture to approximately 200° C. and discontinuing the reaction as soon as the fatty acids are completely esterified and before esterification of the resin acids begins.

2,411,537
SUBMARINE SIGNALING SYSTEM
Walter D. Goodale, Jr., Convent Station, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 28, 1944, Serial No. 520,003
3 Claims. (Cl. 181—0.5)



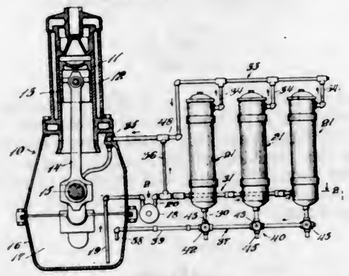
1. In a submarine transmission system, the combination with a signal projector and a pick-up device immersed in spaced relation in a body of water, of a reflecting screen of V-shaped cross-section interposed between the projector and the device to intercept signal energy from the projector which would otherwise reach the pick-up device by reflection from the bounding surfaces of the body of water, the arms of the V being at least equal in length to the wavelength of the lowest frequency of interest.

2,411,538
ELECTRON DISCHARGE APPARATUS
Frank Douglas Goodchild, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application June 25, 1941, Serial No. 399,599
In Great Britain June 21, 1940
1 Claim. (Cl. 250—27.5)



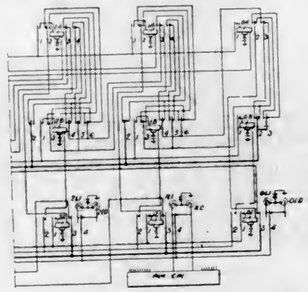
Electron discharge device comprising co-axial conductors sealed substantially within a vacuum tight envelope and having aligned apertures, part of said coaxial conductors being outside said envelope, electrodes within the envelope in line with said apertures and adapted to set up an electron beam traversing the apertures of the co-axial conductors for the velocity modulation of the electrons an annular insulating seal between the inner conductor and an intermediate portion of the outer conductor of reduced wall thickness, a coaxial seal between an end of the outer conductor and a glass tube forming part of the envelope, and adjustable means within the part of one of the co-axial conductors outside the envelope for varying the electrical length of said conductors.

2,411,539
LIQUID FILTER INSTALLATION
Earl G. Gunn, Providence, R. I., assignor to Fram Corporation, a corporation of Rhode Island
Application May 10, 1944, Serial No. 534,929
6 Claims. (Cl. 184—6)



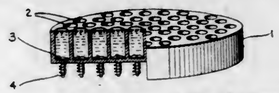
1. In combination with an internal combustion engine, having a circulating lubricating system, including a reservoir for lubricant which may be contaminated, a pump to withdraw lubricant therefrom and circulate the same to a point of use, eventually returning the lubricant to the reservoir, a filtering unit comprising a casing in said circulating system, having continually open inlet and outlet conduits through which lubricant flows to the point of use by the action of said pump and by-passing the filtering element, a filtering element in said casing through which filtrate passes from the lubricant and a separate conduit to return said filtrate to said reservoir.

2,411,540
ELECTRICALLY OPERATED CALCULATING EQUIPMENT
Leslie Baines Haigh, West Orange, N. J., assignor to Standard Telephones and Cables Limited, London, England, a British company
Application July 12, 1943, Serial No. 494,281
In Great Britain June 6, 1941
6 Claims. (Cl. 235—61)



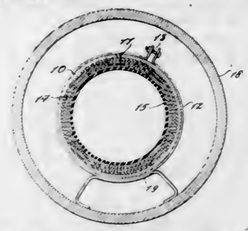
1. Calculating equipment comprising means for entering thereinto by successive digits an integral number expressed in a first radix, electrically operated means for transforming each of a succession of digits of said number in turn, as it is entered, commencing with the digit of highest denomination, into the equivalent number in a second radix as if said digit were of lowest denomination, and means including said electrically operated means, effective upon entry of each digit of lower denomination, for computing a number in said second radix equivalent to the value of preceding digit or digits raised to the next higher denomination in said first radix and for adding to the result of said computation the number expressed in said second radix which is equivalent to the value of the lower denomination of said number expressed in said first radix.

2,411,541
ACOUSTIC WAVE GENERATING OR RECEIVING APPARATUS
Harvey C. Hayes, Washington, D. C.
Application August 8, 1936, Serial No. 94,987
19 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vibratory body comprising in combination a plate having a plurality of recesses and a substantially homogeneous material filling each of said recesses whereby to provide a plurality of vibratory, substantially homogeneous elements, said material having an acoustical impedance substantially equal to that of the medium of propagation with which the vibratory body is to be used, and individual means for driving each of said vibratory elements.

2,411,542
METHOD OF MAKING PLYWOOD TUBING
Theodore Edward Ilch, Hempstead, N. Y., assignor to United States Plywood Corporation, a corporation of New York
Application September 10, 1942, Serial No. 457,894
6 Claims. (Cl. 154—117)

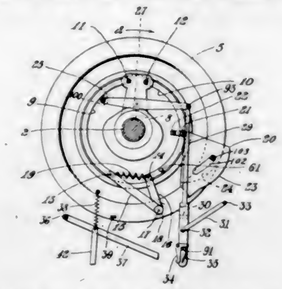


1. The method of forming an integral molded seamless tubing from fibrous sheet material which comprises introducing a plurality of layers of thermo-sensitive adhesive coated sheets of fibrous material into a relatively rigid cylindrical casing until the layers are built up in tubular form against the interior surface of such casing, the layers being coiled individually and introduced endwise in succession into the casing, and being allowed to expand in the casing and assume approximately the contour of the casing, applying a tubular membrane interiorly of the assembled sheets, and distending the membrane by a heat and pressure medium sufficient to press the sheets against the interior of the casing to bond the sheets to each other and to mold such sheets to the configuration of the casing.

2,411,543
POWER PRESS
Eduard Kann, Summit, N. J., now by judicial change of name to Edward Cann
Application March 14, 1942, Serial No. 434,708
11 Claims. (Cl. 192—33)

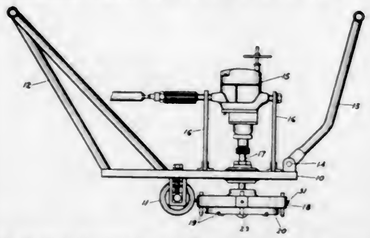
1. In a power press having a driving member and a driven member, a clutch mechanism for connecting the driven member to the driving

member and comprising a friction shoe having an engaged position in which it engages said driving member and a disengaged position, a resilient member acting upon said shoe to force the same into its engaged position, and means to hold said friction shoe in its disengaged position against the action of said resilient member, said latter means including a toggle mechanism connected to said



friction shoe and rotatable therewith and being in a substantially-locked position when the shoe is in the disengaged position, and means to direct said toggle from its engaged position into its substantially-locked position during rotation of the clutch mechanism, said latter means including a member adapted to be placed in the path of said toggle during the rotation of the friction shoe and toggle with the driving member.

2,411,544
ROTARY SCRAPER
William J. Kehl, New York, N. Y.
Application February 26, 1945, Serial No. 579,818
3 Claims. (Cl. 144—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



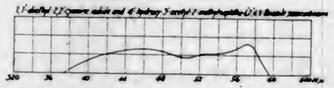
1. A rotary scraping machine comprising a platform, a motor rigidly mounted on said paltform, two cutting head assemblies mounted below said platform, means for causing said cutting head assemblies to be rotated in opposite directions by said motor, a plurality of high speed cutting tools mounted peripherally of said cutting head and projecting downward, a ring affixed to the lower surface of each of said cutting heads and centered about its axis, each ring having a plurality of high speed cutting tools set peripherally therein and projecting downward, the cutting edges of all the tools in the said cutting head assemblies, including the rings, lying in a common plane, a spring-mounted steel ball projecting below each of the said cutting head assemblies at its center and projecting beyond the plane of the cutting edges of said tools, a collar retaining each of said balls in its respective cutting head assembly, and a pair of co-axial wheels mounted below said platform and supporting it, the lower edge of said wheels being tangent to the plane of the cutting edges of the tools.

2,411,545
HONING TOOL
John E. Kline, Grosse Pointe Farms, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application January 18, 1943, Serial No. 472,701
18 Claims. (Cl. 51—184.4)

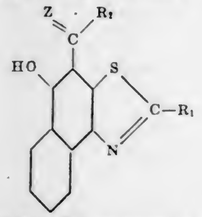


3. In a honing tool, a body, a honing stone supported in said body, a rotatable cam within said body fixed against axial movement for adjusting the position of said stone, and an axially movable element within the interior of said body fixed against rotation relative thereto for rotating said cam.

2,411,546
PHOTOGRAPHIC EMULSION
Edward B. Knott, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 12, 1945, Serial No. 587,916
In Great Britain May 18, 1944
17 Claims. (Cl. 95—7)



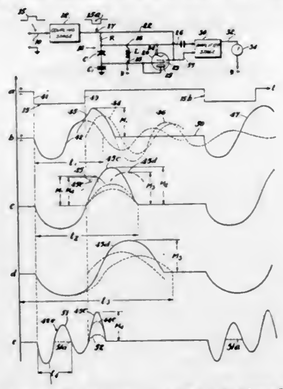
1. A photographic silver halide emulsion spectrally sensitized with at least one sensitizing dye selected from the group consisting of 2'-cyanine dyes and oxacarbocyanine dyes, said emulsion containing, as a supersensitizer, at least one heterocyclic base selected from those represented by the following general formula:



wherein R_1 and R_2 each represents an alkyl group and Z represents a hydrazono group, an alkylhydrazono group, a dialkylhydrazono group, an aralkylhydrazono grounp, a diaralkylhydrazono group, an arylhydrazono group, a diarylhydrazono group, a carbamylhydrazono group, a thiocarbamylhydrazono group and a guanylhydrazono group.

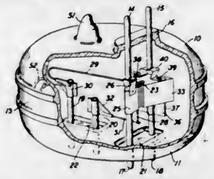
2,411,547
PULSE WIDTH MEASURING SYSTEM
Emile Labin, New York, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application March 26, 1943, Serial No. 480,624
13 Claims. (Cl. 1—95)

1. A method of measuring the duration of pulses of a given shape having abrupt changes at the leading and trailing edges thereof, comprising shock exciting a resonant circuit by the leading and trailing edges of a train of such pulses, the oscillations initiated by the edges of each pulse combining to form an undulation following the trailing edge of the pulse, damping out the oscillations which normally follow said undulation so that the oscillations produced by one pulse will not affect the oscillations produced by the next succeeding pulse, and tuning the cir-



cuit until the undulation reaches a size limit such as its greatest maximum, whereby one-half the period of the frequency to which the circuit is tuned represents a timing at a given multiple of the duration of the pulse.

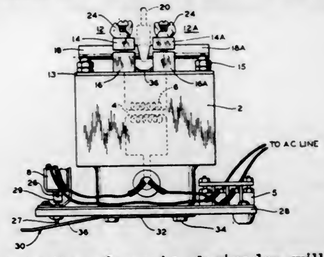
2,411,548
ELECTRON DISCHARGE DEVICE
Joseph P. Laico, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 31, 1941, Serial No. 396,001
14 Claims. (Cl. 250—27.5)



3. An electron discharge device comprising a container enclosing a plurality of electrodes including a grid and an anode, conductors sealed in said vessel and connected to said electrodes, other conductors sealed in said vessel in linear alignment with certain of said first conductors, and flexible means rigidly secured to said control electrode and said anode and said other conductors for relieving strains on the seals of said conductors and compensating for difference of expansion and contraction to prevent changes in the space relation of said electrodes.

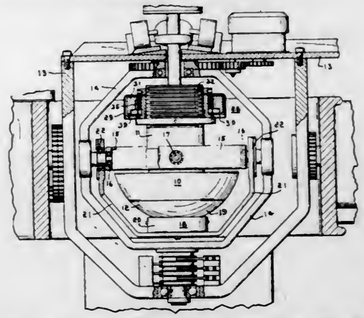
2,411,549
ELECTRIC HEATING DEVICE FOR SOLDERING IRONS
Le Roy John Lindberg, Wanamassa, N. J.
Application March 3, 1945, Serial No. 580,788
2 Claims. (Cl. 219—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The combination, with a transformer mounted on an apertured baseboard and having in its secondary circuit a pair of electrodes complementary to the tip portion of a soldering iron, of a normally-open swtch forming a part of the primary circuit of said transformer and mounted on said baseboard about the apertured area thereof, a leaf spring fixed to the lower side of said baseboard and having a downwardly converging portion disposed under said apertured area, and a plunger slidably positioned through said apertured area, whereby insertion of solder-



ing iron into the aforesaid electrodes will cause relative movement of said baseboard and spring, thereby moving said plunger upwardly against said normally-open switch, whereby said switch will be closed and the primary circuit of the aforesaid transformer will be completed.

2,411,550
STABILIZING APPARATUS
Lawrence B. Lynn, Wilkinsburg, and Clinton R. Hanna, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 25, 1945, Serial No. 606,960
8 Claims. (Cl. 74—5)

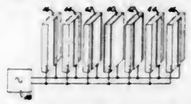


1. In a gyro apparatus wherein a gyro rotor is journaled in a housing supported by gimbal means, apparatus for damping nutational oscillations of the housing and rotor comprising a casing connected to the housing, an inertia member within the casing and arranged for movement therein radially with respect to the rotor spin axis, said casing and inertia member having friction bearing surfaces which cooperate to dissipate energy of nutational oscillations incident to radial movement of the inertia member relative to the casing, and spring means connected to the casing and acting on the inertia member to oppose radial movement thereof relative to the casing.

2,411,551
RADIATING SYSTEM
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1941, Serial No. 407,457
4 Claims. (Cl. 177—386)

1. A piezoelectric radiator comprising a plurality of substantially identical piezoelectric

crystals arranged in line, corresponding radiating ends of the crystals lying in a common plane, a pair of electrodes on each crystal, the electrodes extending in every case the full length of the crystals, the width of the electrodes on the end crystals of the line being small with respect



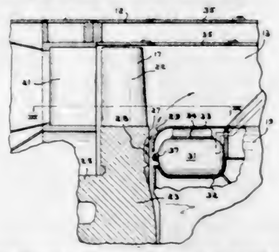
to the width of the crystals, the width of electrodes for intermediate crystals being progressively greater as the center of the line is approached, the central crystal or crystals having electrodes of greatest width whereby minor lobe radiation from said array of crystals is substantially reduced.

2,411,552

TURBINE APPARATUS

Winston R. New, Springfield, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 20, 1943, Serial No. 472,955
2 Claims. (Cl. 60—49)



1. In combination with a gas turbine power plant comprising a stator and a rotor with the rotor including a disc carrying the last row of blades of axial-flow blading and the stator including inner and outer structures providing an axial-flow annular passage for gases exhausting from said blades, starting means for the plant comprising an annular row of lateral buckets formed in said disc at the exhaust side thereof and directed so as to be effective, when supplied with motive fluid, to turn the rotor in the same direction as it is turned by said blading, a nozzle for supplying motive fluid to said buckets, a motive fluid generator for said nozzle including a cartridge adapted to contain an explosive charge and means for firing the charge, and a holder providing a pocket within the confines of said structures for retaining a cartridge in position for supplying motive fluid to the buckets, said holder including part or parts which are movable to open the pocket to the exterior of said outer structure to provide for insertion and removal of a cartridge and means accessible from the exterior of the outer structure for detachably connecting the part or parts to said structure or structures.

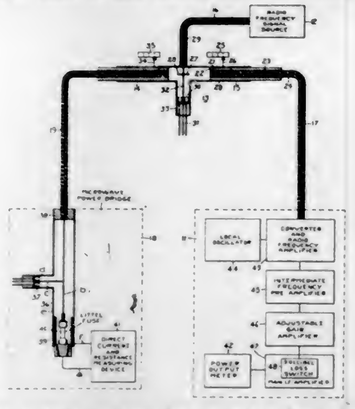
2,411,553

RADIO-FREQUENCY POWER MEASUREMENT

Simon Ramo, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application January 1, 1943, Serial No. 470,976
2 Claims. (Cl. 171—95)

1. Apparatus for measuring low level power which comprises a pair of attenuators of like construction such that the ratio of attenuation is determined by the differences in adjustment although the absolute attenuations in each may be unknown, means for simultaneously supplying power to both of said attenuators, means for con-



veying power output from one attenuator to a device in which low level power is to be measured, a high level power measuring device, and means for conveying power output from the other attenuator to said high level power measuring device.

2,411,554

LIQUID COATING COMPOSITIONS

Michael Riccitiello, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application May 20, 1943, Serial No. 487,819
2 Claims. (Cl. 260—38)

1. A liquid coating composition comprising, in combination, a paint consisting of about 45% pigment and 55% of a vehicle composed of 82% unsaturated fatty acid modified alkyd resin and a solvent therefor, and a texturing material composed of finely divided material consisting of fibrous material combined with thermoset phenol formaldehyde resin, the finely divided material being present as particles in an amount ranging from 4% to 10% by weight of the weight of the paint, the particles of the finely divided material being present in the proportions of 20% to 30% of particles having a mesh size between 70 and 100 mesh and 80% to 70% of particles having a mesh size between 100 and 250 mesh.

2,411,555

ELECTRIC WAVE FILTER

Douglas Cecil Rogers, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company

Application October 14, 1942, Serial No. 462,026
In Great Britain October 15, 1941
7 Claims. (Cl. 178—44)



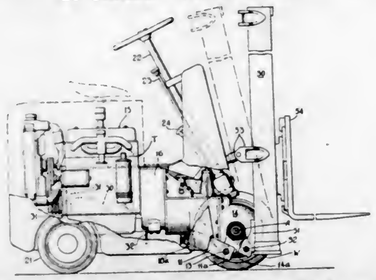
1. An electric wave filter for ultra high frequencies comprising a first conductor in the form of an elongated thin metallic sheet divided into alternate wide and narrow portions all of substantially the same physical length, a second conductor in the form of a sheet, and means for insulatingly spacing the said first and second conductors from one another.

2,411,556

TRUCK

Charles S. Schroeder, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application February 1, 1945, Serial No. 575,622
15 Claims. (Cl. 214—65)



1. In a truck of the class described, a main frame, a traction unit comprising a motor and a transmission and an axle drive unit having axles for driving traction wheels at each side of said axle drive unit, a pair of opposed pivot shafts mounting said axle drive unit and therefore said entire traction unit for pivotal movement on opposed parts of said main frame and with said pivot shafts displaced linearly from the axis of the axles of said drive unit, and means securing said traction unit to said main frame at a point displaced from said pivot shafts for accepting the drive torque of said traction unit.

2,411,557

SYNTHETIC PHENOLIC RESINS

Charles H. Schuh, St. Petersburg, Fla., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application February 11, 1943, Serial No. 475,513
8 Claims. (Cl. 260—57)

1. A process for making liquid phenol-formaldehyde resin condensation product which comprises reacting from two to three mols of formaldehyde with each mol of phenol in the presence of an acid catalyst selected from the group consisting of salicylic acid, ethyl salicylic acid and butyl salicylic acid in a concentration of from 3¼ to 5% of the water present in the reaction mixture, heating the reaction mixture so as to conduct the reaction at a temperature just short of boiling without substantial reflux, arresting the heating within a short time after the initial appearance of water-insoluble resin, allowing the mixture to separate into layers and separating the resin layer from the remainder of the mixture.

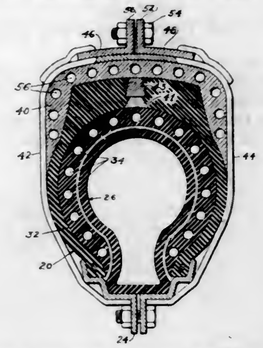
2,411,558

VULCANIZATION APPARATUS

Clyde M. Semler, Cuyahoga Falls, Ohio

Application August 12, 1944, Serial No. 549,176
6 Claims. (Cl. 18—18)

2. Apparatus for repairing a tire or like casing by vulcanization comprising an annular, toroidal, inflatable bag of resilient material dimensioned to closely fit within said casing interior when inflated, means providing a circumferentially localized heater region extending over a sector portion only of the annular extent of said bag for underlying a corresponding sector portion of said casing containing the area to be repaired by vulcanization, said bag including said heater region having substantially uniform diameter throughout when inflated within said casing, a support shaped similarly to the usual pneumatic tired wheel rim for mounting said casing with said inflated bag therewithin, said casing and bag being relatively shiftable on said support to locate



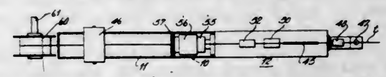
said sector portions in superposition, and an external sector block adapted to be secured to said support in overlying relation to the exterior of the sector portion of the casing under repair, so that said casing is vulcanized in its normal operative shape.

2,411,559

METHOD FOR FORMING FUR FILLED YARN

Frances Sonin and Morris H. Siegel, New York, N. Y.

Application October 11, 1943, Serial No. 505,716
18 Claims. (Cl. 57—164)



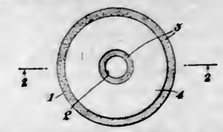
1. In the art of forming a fur covered yarn, the method which consists in drawing from an indefinite matted mass of fur waste hairs a thin layer of the same in measured amounts per unit of time, discharging the layer into a confined space, progressively disintegrating the material so discharged to separate the same into a fine floating fluff, causing the fluff at the end of the disintegrating step to move gently upwardly and thus against the action of gravity and into a narrow, long path and causing an adhesively coated thread to traverse along the length of said path and closely above the same to pick up the fur fluff as it rises on to the thread, the travel of the thread and the amount of fur waste advanced in the layer per unit of time being synchronized to provide the requisite degree of fur coating on the thread per unit of length.

2,411,560

SELENIUM ELEMENT

Richard B. Speed, Newark, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware

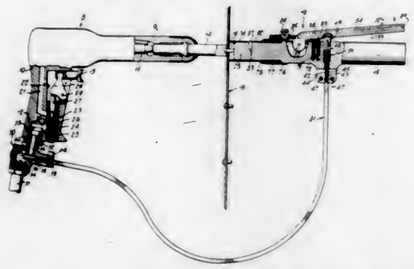
Application June 25, 1943, Serial No. 492,292
3 Claims. (Cl. 175—366)



1. A selenium element having a counter elec-

trode coating of an alloy of bismuth, lead and tin, the bismuth being approximately one half of the composition by weight and the remaining half being composed of the lead and tin.

2,411,561
BUCKING BAR CONTROL FOR RIVETING HAMMERS
Edward W. Stevens, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application February 4, 1944, Serial No. 521,028
11 Claims. (Cl. 78—48)

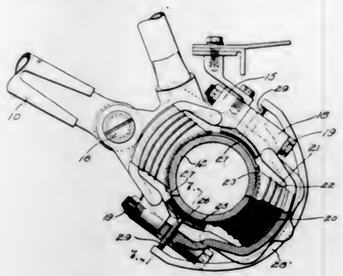


1. A riveting assembly, comprising a fluid pressure operated hammer, a bucking bar, said hammer and said bar being carried by separate operators and adapted to engage a rivet on opposite sides of the work, and means causing the operation of said hammer to be under the control of the hammer operator in dependence upon independently operable remote control from the bucking bar in order to prevent damaging the rivet or the work by premature hammer operation, said means comprising a first fluid pressure control valve and local means associated with the hammer for opening said valve at will, a second fluid pressure control valve in series with said first valve and capable of being opened independently of the operation of the first valve, and mechanical operating means on said bucking bar capable of becoming automatically effective during operation to close said second valve upon production of a predetermined amount of set upon said rivet, said mechanical operating means on said bucking bar acting through a flexible cable comprising a sheath attached at one end to said hammer and at the other end to said bucking bar and containing a movable core extending into cooperative relation at one end with said auxiliary valve and at the other end extending to said hammer.

2,411,562
SEGMENT TYPE RESILIENT ENGINE MOUNT
Ransom S. Thompson, East Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 23, 1944, Serial No. 523,543
14 Claims. (Cl. 248—5)

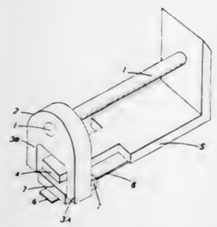
1. Resilient means for mounting a vibratory body on a supporting structure, said mounting means comprising a plurality of heads each enclosing a portion of the supporting structure and having opposed segmental resilient pads compressed within them and bearing against said supporting structure, and means for connecting said heads rigidly to said body including a plurality of struts connecting said heads rigidly to axially and circularly spaced portions of said body.

2. Resilient means for mounting an aircraft engine on a fuselage mounting member, said mounting means comprising a plurality of angularly spaced two-part heads, one part of each of which is connected to the engine, the parts of each head being secured together and having



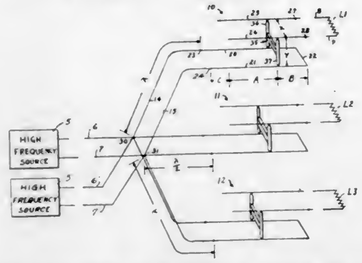
opposed segmental resilient pads therein compressed against said mounting member, and means for connecting said heads rigidly to said engine including a plurality of struts connecting the engine connected part of each of said heads to the engine at axially spaced points on said engine.

2,411,563
ELECTROMAGNETIC RELAY
Stanley Herbert Towner and Percy Arthur Childs, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 6, 1943, Serial No. 509,216
In Great Britain December 23, 1942
8 Claims. (Cl. 175—338)



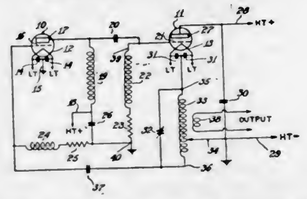
1. In an electromagnetic device in which a variable flux is produced, means forming a magnetic circuit comprising, a substantially rigid core assembly having a double gap at which the flux divides into two substantially parallel paths, said double gap being formed by a fixed central pole piece positioned between two rigidly connected spaced pole pieces with the gaps being formed on the opposite sides of the central pole piece, and a vibrating armature formed by an iron piece positioned with one face substantially parallel to one face of said central pole piece and with two opposite edge faces parallel to and spaced from the respective faces of said spaced pole pieces, said iron piece being mounted to vibrate in the planes of said edge faces transversely of the adjacent face of said central pole piece and parallel to the adjacent faces of said spaced pole pieces.

2,411,564
COUPLING CIRCUIT
Chester B. Watts, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application July 4, 1942, Serial No. 449,828
9 Claims. (Cl. 178—44)



4. An impedance matching transformer for connecting together two networks of dissimilar impedance to selectively control the amount of energy transferred between said networks while maintaining the impedance matching, comprising a two-conductor section having one end thereof short circuited and the other end connectable to one of said networks, a second two-conductor section having one end open circuited and the other end thereof connectable to the other of said networks, the sections being in spaced apart, parallel relation for at least a portion of their lengths with the conductors being disposed to define a rectangle in a plane perpendicular to the axis of the conductors and with the conductors of each section lying in adjacent corners of the rectangle so formed, means including a pair of conductors conductively connecting the corresponding conductors of said sections, and said means being movable lengthwise of said sections to vary the impedance matching characteristics thereof while maintaining substantially constant the combined overall effective lengths of the sections.

2,411,565
LOW IMPEDANCE OSCILLATOR
Thomas Lamont Wilson, Scotch Plains, N. J., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California
Application July 20, 1942, Serial No. 451,596
3 Claims. (Cl. 250—36)



1. A low impedance oscillator including two electronic tubes, having cathodes, control grids, and anodes, means for supplying suitable energy to the respective cathodes and anodes, means for keeping the respective control grids at a suitable mean potential, means for coupling the output anode-cathode circuit of the first tube to the input grid-anode circuit of the second tube, circuit means connecting the oscillatory energy of the anode of the second tube to ground, output circuit means connected in the common grid-cathode and anode-cathode return circuit of the second tube, means for withdrawing oscillatory energy from said output circuit means, and means for feeding back to the control grid of the first tube, in regenerative phase relationship, a portion of the energy present in said output circuit means.

2,411,566
TOXIC COMPOSITION
Theodore W. Evans, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 24, 1943, Serial No. 499,857
15 Claims. (Cl. 167—22)

6. A process of eradicating nematodes from the soil and minimizing attack thereby on plants, comprising introducing below the soil surface in the vicinity of said nematodes an agent selected from the group consisting of 1,1-dihalopropene-2 and the 2-alkyl homologues thereof, wherein the alkyl substituent has one to three carbon atoms.

2,411,567
MANUFACTURE OF CARBOXYLIC ACID ANHYDRIDES
James Wotherspoon Fisher, Spondon, near Derby, England, assignor to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application July 13, 1944, Serial No. 544,823. In Great Britain August 23, 1943
9 Claims. (Cl. 260—413)

1. Process for the manufacture of the anhydride of a carboxylic acid, which comprises heating a carboxylic acid with liquid acetic anhydride in the presence of an organic liquid which does not enter chemically into reaction with the carboxylic acid or its anhydride or the acetic anhydride and which forms with acetic acid a constant boiling mixture of minimum boiling point, and removing the acetic acid produced by the reaction from the reaction zone as the reaction proceeds by distilling it off as a constant boiling mixture.

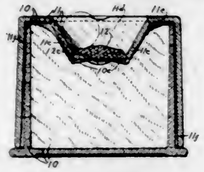
2,411,568
LAMP UNIT
Alton G. Foote, Wickliffe, Ohio, assignor to General Electric Company, a corporation of New York
Application April 23, 1943, Serial No. 484,211
9 Claims. (Cl. 176—32)



1. A lamp unit comprising a plurality of lamp elements, a common holder for said lamp ele-

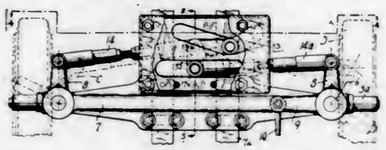
ments comprising a pair of complementary sections, terminal contact members on said holder shaped to engage a current supply connector, and conductor means connecting said lamp elements to said terminal contact members, said terminal contact members also being constructed and arranged to hold said sections in assembled relation with said lamp elements clamped therebetween so as to be firmly held in place in said holder.

2,411,569
SMOKER'S ASH AND STUMP RECEIVER AND ISOLATOR
John R. Furman, Kerrville, Tex.
Application February 16, 1943, Serial No. 476,053
3 Claims. (Cl. 220—20.5)



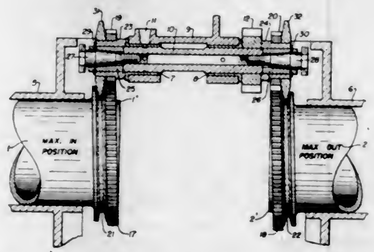
1. In a smoker's receiver for ash, stumps, etc., the combination of a vessel having an inlet-opening at its top and having opposite wall-portions, an elongated closure normally extending from one to the other of said wall-portions and normally located on and supported by the latter at a considerable distance above the bottom of said vessel and in a proper position to provide a clear space thereunder and to close only a portion of said inlet-opening, and a housing-unit that comprises outer wall-portions and inner wall-portions and a roof which latter is united with these inner and outer wall-portions, the lower ends of these inner wall-portions of the housing having an opening between them and being normally seated on said elongated closure and thus combining with said closure to constitute a primary receptacle for ash and stumps, said outer wall-portions of the housing unit normally surrounding the middle and upper parts of said vessel and being continually in position to be grasped by a hand of a person and raised sufficiently to permit ash and stumps to fall from said closure to the bottom-portion of said vessel, said housing unit being free to gravitate from its raised position to its normal lowermost position on said closure when released from restraint of the hand that raised it.

2,411,570
STEERING GEAR FOR VEHICLES
Paul E. Hawkins, Lakewood, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application November 27, 1943, Serial No. 511,997
12 Claims. (Cl. 280—87)



1. In a vehicle, comprising a frame and front and rear supporting wheels for the frame, the wheels at one end of said frame being mounted thereon to swing on substantially vertical axes to effect steering of the vehicle, means operatively connected to one of said swingable wheels for swinging it from normal position in either direction, and connections between the wheel connected to said swingable means and the other wheel for swinging the other wheel from normal position in either direction, whereby both wheels swing in the same direction when operated for steering the vehicle on curvilinear lines of travel, said connections including an intermediate connecting element operable to permit overlapping relative movement between other elements of said connections, and guides for the elements of said connections, said connections being thereby operable to automatically position said swingable wheels in angular relation in any operated position to effect vehicle travel on arcs about a common center.

2,411,571
ENGINE
Ralph M. Heintz, Cleveland, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application January 22, 1945, Serial No. 573,825
13 Claims. (Cl. 123—56)

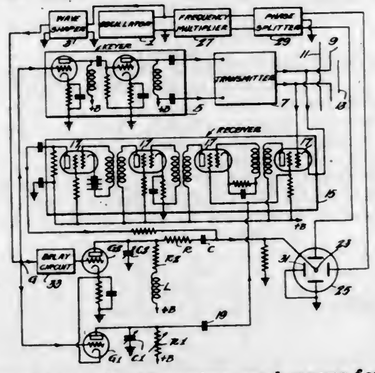


5. In a sleeve valve engine, a pair of opposed cylinders each having a sleeve valve, each valve having a helical gear and a helical groove guideway of a pitch equal to that of the helical gear, said gear and guideway being coaxial and rigid with its sleeve, a common drive shaft carrying two spaced circular driving gears each to engage one of said helical driven gears and two spaced discs each to engage one of said helical guideways of said sleeve valves to rotate said sleeve valves in the same direction and to simultaneously reciprocate said valves in the same linear direction in their opposed cylinders as said circular driving gears remain in mesh with said helical driven gears, due to the reciprocation of said sleeve valves by said discs in their engagement with their respective guideways.

2,411,572
PULSE ECHO SYSTEM
William D. Hershberger, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1941, Serial No. 399,607
8 Claims. (Cl. 250—1)

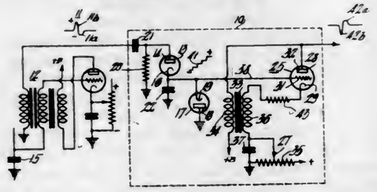
1. A pulse echo system including a transmitter, a receiver, a cathode ray tube having deflecting electrodes and a radial deflecting electrode, means for applying to said transmitter a current of predetermined frequency to produce pulse signals, means for multiplying the frequency of said current, means for applying said current of multiplied frequency to said deflecting electrodes to produce circular rotation of said ray, a pair of

electrical networks respectively having different charging voltage characteristics, means for applying said pulse producing current to discharge said electrical networks, means for applying the charging voltage of one of said networks to vary



the sensitivity of said receiver, and means for applying the charging voltage of the other of said networks and the echo signal output voltage of said receiver to said radial deflecting electrode to produce respectively spiral deflections of said ray and echo signal indications.

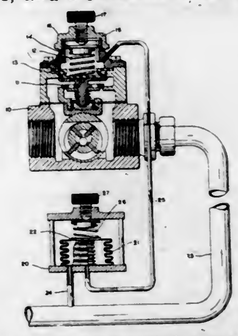
2,411,573
FREQUENCY COUNTER CIRCUIT
Paul F. G. Holst and Loren R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application November 30, 1944, Serial No. 565,973
8 Claims. (Cl. 320—1)



1. In combination, a charging capacitor of comparatively small capacity, a unidirectional conducting device and a storage capacitor of comparatively large capacity connected in series in the order named, means for impressing a pulsating voltage across said series circuit, thereby causing said pulses to place charges on both capacitors, and a leakage resistor connected between the junction of the charging capacitor and said conducting device and the free plate of said storage capacitor, thereby substantially discharging the charging capacitor during the period between successive applied pulses.

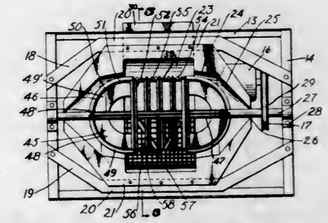
2,411,574
PUMP CONTROL WITH LINE LOSS COMPENSATION
Scott F. Hunt, Meriden, Conn., assignor to Chandler-Evans Corporation, South Meriden, Conn., a corporation of Delaware
Application March 6, 1944, Serial No. 525,160
6 Claims. (Cl. 103—42)

1. A pressure maintaining device for pump discharge conduits comprising, a pump having a pressure controlled by-pass valve, means to adjust the pressure acting on said valve, pneumatic means to supplement the pressure acting on said valve, and a pressure amplifier connect-



ed to said conduit at a point remote from said pump to vary the pressure of said pneumatic means with variations of pressure within said discharge conduit.

2,411,575
COTTON PICKER
Arthur J. Kay, Los Angeles, Calif.
Application November 28, 1944, Serial No. 565,544
3 Claims. (Cl. 19—80)

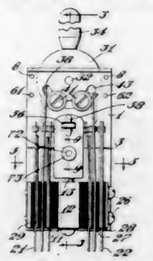


1. A cotton picker including a housing having a well therein, a rotor cage in said housing well, said cage including a shaft, a pair of spaced end members, each end member comprising a plurality of strips arranged about the shaft and extending outwardly therefrom, each strip having its outer end secured to the shaft, the strips on the two end members being arranged in opposed pairs, a circumferentially extending ring member on the inner ends of the strips of each of the end members and secured thereto, longitudinally extending parallel bars connecting said ring members, and a plurality of circumferentially extending quadrantal members secured to said bars and arranged to form parallel spaced circles, said ring members, bars and circumferentially extending members having outwardly directed ribs, said ribs being serrated to form teeth.

2,411,576
ELECTRIC SWITCH
Waldo J. Kelleigh, Wayland, Mass., assignor to General Control Company, Cambridge, Mass., a corporation of Massachusetts
Application August 4, 1943, Serial No. 497,314
8 Claims. (Cl. 200—1)

1. An electric switch comprising contacts, a contact actuator movable from a normal position to an advanced position, detents engaging opposite sides of the actuator for holding it in advanced position, a spring reactor extending transversely of the actuator adjacent thereto, the re-

actor having an abutment outside each detent, and a compression spring outside each detent, each spring being interposed between one of said



abutments and one of said detents, said reactor being free to move transversely of the actuator, whereby the thrusts of said springs against said detents are automatically equalized.

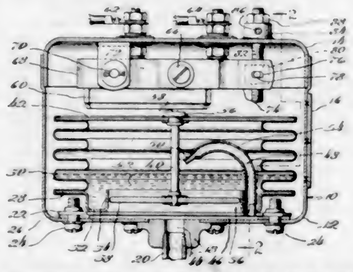
2,411,577

PRESSURE RESPONSIVE MICROSWITCH

John H. Leslie, II, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application December 3, 1943, Serial No. 512,792

8 Claims. (Cl. 200—83)



1. A pressure responsive switch of the class described, comprising a housing, a Sylphon in said housing exposed to variable differences in pressure, a micro-switch mounted in said housing and controlled by said Sylphon, said Sylphon having a part forming a dashpot cylinder and constituting a container for hydraulic fluid for said dashpot cylinder, and a dashpot piston mounted in said cylinder attached to the switch control part of said Sylphon.

2,411,578

CONDENSATION PRODUCTS AND METHODS OF PREPARING SAME

Eugene Lieber, West New Brighton, Staten Island, and Marvin E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 15, 1941, Serial No. 419,314

16 Claims. (Cl. 260—671)

1. The process which comprises condensing about ⅕ to 5 mols of an ether having the general formula R—O—R', in which R and R' are alkyl groups having a total of less than 10 carbon atoms, with about 1 mol of an aromatic compound, in the presence of about ½ to 4 mols of a Friedel-Crafts catalyst and in the presence of about ½ to 10 volumes of inert solvent per volume of total reactants and catalyst, at a temperature between the approximate limits of room temperature and about 300° F., hydrolyzing and removing the catalyst and distilling the condensation products under reduced pressure to a temperature of at least 500° F. to obtain as distillation residue a high molecular weight condensation product soluble in mineral oil.

2,411,579

CONDENSATION PRODUCT AND METHOD OF PREPARING AND USING SAME

Eugene Lieber, New York, N. Y., and Marvin E. Thorner, Corpus Christi, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application November 15, 1941, Serial No. 419,314. Divided and this application September 15, 1944, Serial No. 554,344

7 Claims. (Cl. 252—52)

1. A lubricating composition comprising a major proportion of a waxy mineral lubricating oil and a wax-modifying amount of a Friedel-Crafts condensation product of a lower saturated aliphatic ether having the general formula R—O—R', where R and R' are alkyl groups having a total of less than 10 carbon atoms with an aromatic compound selected from the group consisting of aromatic hydrocarbons and alkyl, hydroxy, amino, and partially hydrogenated derivatives thereof, said condensation product being nonvolatile up to 500° F. under reduced pressure, soluble in mineral oil and having wax-modifying properties.

2,411,580

CONTAINER WALL

Willard O. Manor, Monroe, Mich., assignor to Consolidated Paper Company, Monroe, Mich., a corporation of Michigan

No Drawing. Application September 30, 1943, Serial No. 504,383

1 Claim. (Cl. 117—82)

A container wall comprising an outer layer of fibrous material and an inner dual coating layer impermeable to asphaltum, bonded to but severable from said fibrous layer, said inner dual coating layer comprising a first major body undercoating of water-dispersed clay and sufficient adhesive that this first undercoating may isolate the second coating from the wall, and said second continuous lesser-body-carrying coating agent thereon of organic resin-like material of methyl cellulose and starch, possessing a characteristic for thin film spreading in direct water solution when applied over the less thin first undercoating.

2,411,581

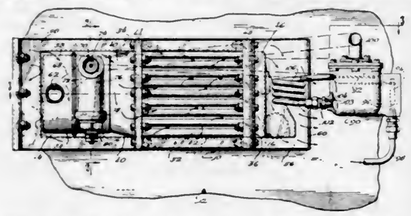
FUEL SUPPLY SYSTEM

Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application May 17, 1944, Serial No. 535,902

8 Claims. (Cl. 126—116)

1. An aircraft heater comprising walls forming a combustion chamber, a heat exchanger receiving hot products of combustion from said combustion chamber, means including a ram for circulating ventilating air over said heat exchanger, a Venturi tube for supplying a combustible mixture to said combustion chamber, means including a ram for supplying combustion air to said Venturi tube, a float bowl for liquid fuel, a fuel jet in said Venturi tube, a pipe connecting said float bowl with said jet, said pipe having a part exposed to ventilating air leaving said heat exchanger whereby fuel in said pipe is vaporized



before it reaches said jet, and a second pipe connecting the inlet end of said Venturi tube with the top of said float bowl.

2,411,582

AVIATION FUEL

Thomas B. McCulloch, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 10, 1944, Serial No. 539,783

10 Claims. (Cl. 44—69)

1. An aviation fuel comprising a minor portion of spiropentane and a major portion of hydrocarbons boiling in the gasoline boiling range.

2,411,583

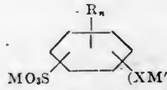
COMPOUNDED LUBRICATING OIL

John G. McNab, Cranford, and Carl Winning, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 3, 1943, Serial No. 477,842

8 Claims. (Cl. 252—33)

1. A composition of matter comprising a hydrocarbon oil subject to deterioration at elevated temperatures and a small proportion, sufficient to substantially stabilize said oil at such elevated temperatures of a compound having the formula—



where M and M' are metals selected from groups II, III, VIII and the right-hand column of group IV of the periodic table, X is a member of the class consisting of oxygen, sulfur, selenium, and tellurium, R is a branched chain alkyl radical, and m and n are small whole numbers whose sum is not greater than 5, the total number of carbon atoms in all of the R groups being at least 8.

2,411,584

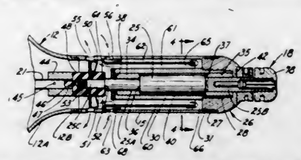
PORTABLE MOTOR-DRIVEN TOOL

Robert L. Miller and Melvin Bartz, Valparaiso, Ind., assignors to Chicago Wheel & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 17, 1944, Serial No. 563,937

18 Claims. (Cl. 51—170)

1. In a portable tool, a drive motor having a shaft, a generally cylindrical casing of a size adapted to be grasped by one hand of a user, means securing one end of said casing rigidly to said motor so as to project therefrom substantially coaxially with respect to said shaft to thereby afford a handpiece whereby the tool may be grasped and manipulated, a unitary spindle and bearing unit comprising a tool spindle, a bearing member in which said spindle is rotatably supported, means on said unit for securing said unit in position within said handpiece, and cooperating



means on the adjacent ends of said shaft and said spindle and affording a drive transmitting connection therebetween adapted to be disengaged by endwise withdrawal of said spindle from said handpiece.

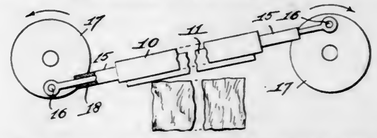
2,411,585

APPARATUS FOR SAWING STONE

Everett Minkler and Floyd E. Minkler, Los Angeles, Calif.

Application April 10, 1944, Serial No. 530,239

2 Claims. (Cl. 125—16)



1. In a stone saw, a pair of cranks arranged for rotation so that when one crank is at high center and the other crank at low center, said cranks are disposed 180° apart circumferentially, a saw blade carrying sash positioned between said cranks and telescope connections between said sash and cranks.

2,411,586

PREPARATION OF BARIUM SALTS OF CYCLIC - ALIPHATIC ETHER ALCOHOLS

John R. Morris, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application February 9, 1943, Serial No. 475,298

5 Claims. (Cl. 260—613)

1. A method of preparing barium salts of carbocyclic-aliphatic ether alcohols, which comprises reacting a compound of the following general formula

$$R_y—A(XR_1Y)_z$$

in which A is a carbocyclic nucleus, R is a member of the class consisting of hydrogen and alkyl radicals, R_1 is an aliphatic radical, X is oxygen, Y is a hydroxyl radical, and y and z are small whole numbers, with a mixture of a barium salt of a weakly acidic compound and barium hydroxide.

2,411,587

ANTIFRICTION BEARING LUBRICANT

Arnold J. Morway, Clark Township, Union County, and Alan Beerbower, Kenilworth, N. J. assignors to Standard Oil Development Company, a corporation of Delaware

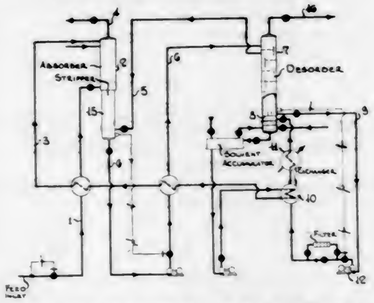
No Drawing. Application July 5, 1941, Serial No. 401,265

1 Claim. (Cl. 252—41)

An unctuous, transparent anhydrous greas containing from .03–.06% free alkalinity as NaOl

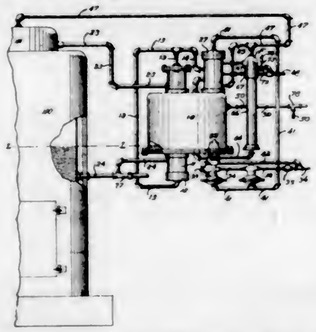
and composed of mineral lubricating oil thickened to smooth grease consistency with a mixture of soda and zinc soaps in which the ratio of soda soap to zinc soap is between 14:1 and 28:1.

2,411,588
CONCENTRATION OF DIOLEFINS
John W. Packie, Green Village, and William S. Craft, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 16, 1944, Serial No. 568,498
10 Claims. (Cl. 260—681.5)



10. A process for separating a diolefin from gas mixtures comprising the diolefin, olefins, and acetylenes, comprising the steps of absorbing the diolefin, acetylenes, and olefins in a selective solvent, stripping the absorbed olefins from said selective solvent by contacting it with a mixture of the diolefin and acetylenes, heating the stripped solvent under conditions to release a portion of the diolefin in substantially pure form, then heating said solvent under conditions to release the remainder of the diolefin and appreciable acetylenes and using the mixture of diolefin and acetylenes thus obtained as the stripping medium in said stripping step.

2,411,589
BOILER WATER FEED DEVICE
Thomas N. Pinion, Denver, Colo.
Application April 11, 1944, Serial No. 530,512
17 Claims. (Cl. 122—456)

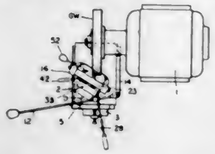


1. A boiler water feed device comprising, a feed water reservoir disposed for coplanar relation of its minimum contents level with the desired boiler water level, steam and water flow lines communicating between said reservoir and the boiler to be served, means for inflowing feed water to said reservoir, pressure-actuatable means and controls alternatively positionable to maintain the water-charged reservoir in pressure-balanced, gravity-flow relation with said boiler and to recharge said reservoir with feed water, a compound slide valve shiftable to direct and regulate flow of fluid under pressure to said pressure-actuatable means, a temperature-responsive element in positioning relation with said slide valve, and means reactive to minimum reservoir contents level for exposing said element directly to the elevated temperature steam charge of said reservoir.

2,411,590
VINYL RESIN COATING COMPOSITION
George M. Powell, 3rd, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 3, 1943, Serial No. 493,427
8 Claims. (Cl. 148—6.5)

1. A vinyl resin coating composition of a limited heat-reactive type comprising an acid-reacting vinyl resin of the group consisting of a copolymer of vinyl chloride, a vinyl ester of a lower saturated fatty acid, and an aliphatic, alpha, beta-olefinic carboxylic acid, in which from 3.2% to 40% of said ester and from 0.5% to 20% of acid, by weight of the copolymer, are combined therein, and a copolymer of vinyl chloride and an aliphatic, alpha, beta-olefinic carboxylic acid, in which from 0.5% to 20% of acid by weight of the copolymer is combined therein, and from 5% to 30% by weight of said acid-reacting vinyl resin of a heat-reactive, alcohol-soluble resin of the group consisting of urea-formaldehyde and melamine-formaldehyde resins, the composition being dispersed in an organic solvent.

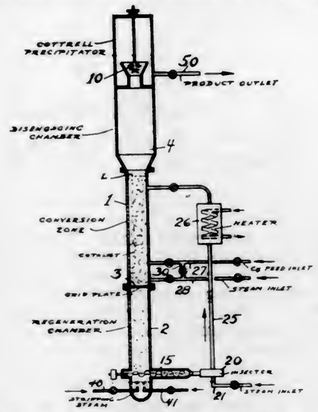
2,411,591
DRILL GRINDER
William E. Raney, Shaker Heights, Ohio
Application May 6, 1944, Serial No. 534,450
14 Claims. (Cl. 51—219)



2. A drill grinder comprising a rotatable member mounted between fixed center points, a drill chuck carried by said rotatable member with the axis of said chuck being perpendicular to and offset from the axis of said rotatable member, said chuck including a removable bushing adjacent its forward end and adapted to hold the drill close to the drill point, and chuck jaws adjacent its rear end adapted to grip the drill shank.

2,411,592
FLUID CATALYST REACTOR
Edward D. Reeves, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 31, 1942, Serial No. 464,985
7 Claims. (Cl. 260—680)

7. In the catalytic dehydrogenation of olefins, the improvement which comprises discharging preheated olefins into a vertically disposed conversion chamber of restricted cross-sectional area, simultaneously discharging into said chamber a fluidized powdered catalyst material, causing the powdered material to gravitate through a foraminous member into a regeneration chamber contiguously disposed immediately below said conversion chamber by regulating the velocity of the gas in the conversion chamber to permit said



gravitation, contacting the catalyst in the regeneration chamber with steam whereby contaminants thereon are consumed and catalyst is revivified, withdrawing revivified catalyst from the bottom of said regeneration zone, and recycling it substantially uncooled to a point near the top of said conversion zone.

2,411,593
CORROSION PROTECTION OF METALS
Willis G. Routson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 11, 1943, Serial No. 498,434
11 Claims. (Cl. 252—51)

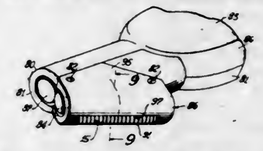
1. A corrosion-preventive composition comprising a predominant amount of a hydrocarbon fraction containing finely dispersed a corrosion retardant amount of an organic monobasic acid of between about 10 and about 60 carbon atoms and containing a radical selected from the group consisting of nitrile, nitro, and nitroso radicals which is not more than four carbon atoms removed from the acid radical.

10. A corrosion-preventive composition comprising a predominant amount of a substantially neutral vehicle containing finely dispersed therein a corrosion retarding amount of an organic monobasic acid having between about 10 and about 60 carbons atoms and containing a radical selected from the group consisting of nitrile, nitro and nitroso radicals which is not more than 4 carbon atoms removed from the acid radical, and a small amount of a dicarboxylic acid containing at least 16 carbon atoms.

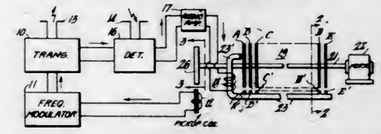
2,411,594
DRY SHAVER AND ELEMENT THEREOF
Henry Ruskin, Chicago, Ill., assignor of one-half to George E. Hale, Chicago, Ill.
Original application December 8, 1938, Serial No. 244,593, now Patent No. 2,281,250, dated April 28, 1942. Divided and this application March 23, 1942, Serial No. 435,854
1 Claim. (Cl. 30—42)

In a dry-shaving device, a spiral cutter in which the turns of the spiral are placed in such close

proximity as to prevent the entry therebetween of skin, but are spaced adequately to permit the entry therebetween of hairs to be shorn, the edge portions of the turns adjoining the outer peripheral surface thereof being sharpened, said helix being mountable for rotation and manipulation relative to the surface being shaved, and outer peripheral surface portions of said helix directly contacting the surface being shaved.

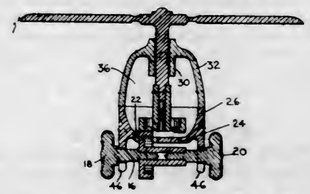


2,411,595
INDICATOR FOR FREQUENCY MODULATED RADIO LOCATOR SYSTEMS
Royden C. Sanders, Jr., Chestnut Hill, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Original application July 26, 1943, Serial No. 496,246. Divided and this application December 4, 1944, Serial No. 566,536
7 Claims. (Cl. 172—245)



1. A frequency meter comprising a plurality of indicating elements each of which is tuned to respond to the same narrow band of frequencies, means for applying to all of said indicating elements an electrical force that varies in accordance with an applied signal containing the frequency components to be indicated, and means for varying said electrical force periodically at each of said indicating elements and at a different rate at each element for producing force beats which occur at a repetition rate that, at at least one of the indicating elements, is within the said narrow response range of the indicating elements.

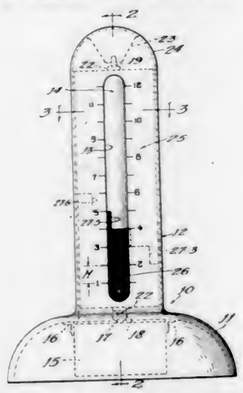
2,411,596
TOY
Benjamin H. Shapiro, New York, N. Y., and Islyn Thomas, Livingston, and John Hohl, Newark, N. J., assignors, by mesne assignments, to Plastic Parts Development Corporation, Newark, N. J., a corporation of New Jersey
Application June 11, 1945, Serial No. 598,798
4 Claims. (Cl. 46—205)



1. In a pull toy in the form of a helicopter, the parts of which are each molded from a plastic material, a blade member, an upper fuselage section, a boss in the upper fuselage section, said

blade member having a shaft journaled in the boss and extending into the interior of the upper fuselage member, a driven means having a sleeve for receiving and securing therein the said shaft on the blade member extending in the interior of the upper fuselage section, a lower fuselage section having carrying means extending downward therefrom and having an opening in the floor thereof, a wheel on each side of the fuselage and having a shaft journaled in the carrying means and a driving means having a sleeve, said driving means being open to receive and secure therein at each side thereof each shaft on the wheels, said driving means extending through the opening in the floor of the lower fuselage section in engagement with the driven means, the upper and lower sections of the fuselage being secured together.

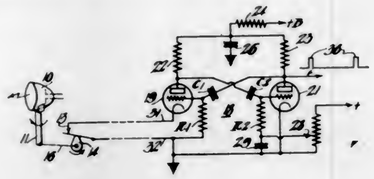
2,411,597
CLOCK
Joseph L. Smith, Chicago, Ill.
Application February 5, 1944, Serial No. 521,190
8 Claims. (Cl. 58—126)



3. In a clock, a housing having an elongated upstanding hollow portion with an elongated vertical slot of predetermined uniform width formed therein longitudinally thereof, a drum mounted in said housing for rotation on a vertical axis parallel to said slot and with the cylindrical face of the drum closely adjacent to said slot, means on the outer surface of said drum providing an area of contrasting color terminating in an upper step-like edge having twelve steps the width of each of which is such as to subtend an angle of thirty degrees with respect to the axis of the drum and the height of all of such steps being equal, means along the sides of said slot forming a scale graduated in hours from one to twelve in succession and having the hourly divisions each equal to the height of one step, a clock movement connected to said drum to rotate the same through one revolution in twelve hours, said predetermined width of said slot being such as to subtend an angle of thirty degrees with respect to the rotative axis of said drum.

2,411,598
KEYING CIRCUIT
John P. Smith, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 22, 1943, Serial No. 473,259
3 Claims. (Cl. 250—27)

1. In combination, an asymmetrical multivibrator comprising a pair of tubes each having a cathode circuit, an anode and a control grid and further comprising a grid capacitor and a grid leak resistor connected to the control grids of said tubes, respectively, one of said tubes having a grid capacitor and a grid leak resistor that have a substantially longer time constant than the grid capacitor and grid leak resistor of the other

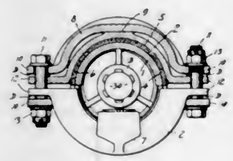


tube, a switch connected in the circuit of said one tube to break the flow of plate current therethrough when the switch is open, and means for periodically closing said switch for a length of time that exceeds the duration of the shorter duration voltage pulses produced at the plate of said other tube.

2,411,599
POLYMERIZATION PROCESS
William J. Sparks, Elizabeth, and Anthony H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 9, 1940, Serial No. 365,014
5 Claims. (Cl. 204—162)

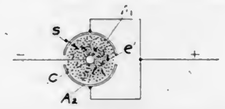
1. The polymerization process comprising the steps in combination of mixing a methylacrylate and an alpha olefin in liquid form at room temperature and interpolymerizing the mixture by the application thereto of ultra violet light to yield a high molecular weight, solid interpolymer of a methyl acrylate and an alpha olefin.

2,411,600
OVERLOAD CLUTCH
Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application July 5, 1945, Serial No. 603,330
2 Claims. (Cl. 64—30)



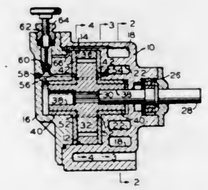
1. An overload clutch including outer and inner driving and driven members having coacting friction faces concentric with the axis of the clutch, the outer member being formed of opposing sections, and means for clamping the sections toward each other onto the inner member, the clamping means including arcuate springs embracing the sections respectively, one spring for each section, the springs bearing intermediate of their ends on the sections respectively and means for clamping the ends of the springs toward each other.

2,411,601
ELECTRONIC DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application September 30, 1941, Serial No. 412,993
5 Claims. (Cl. 250—27.5)



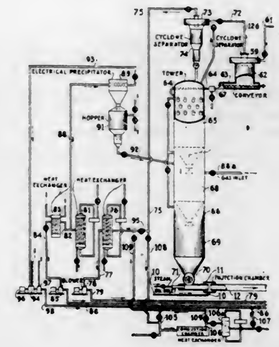
1. The method of operating an electron discharge device of the type for supplying a predetermined peak current, comprising a thermionic and secondary emissive cathode, an anode, and means for deflecting electrons emitted from said cathode back to said cathode, said method comprising starting said discharge device with said cathode at a temperature producing substantial thermionic emission, and then maintaining said cathode at a temperature producing thermionic emission substantially less than that required to carry said peak current, so that electrons emitted from said cathode return to said cathode under the influence of said means and liberate secondary electrons in sufficient numbers to produce a total electron emission constituting said peak current.

2,411,602
PUMP FOR POWER TRANSMISSIONS
Ralph L. Tweedale, Birmingham, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application September 3, 1942, Serial No. 457,161
4 Claims. (Cl. 103—120)



1. A rotary vane type pump having a pump stator having a fluid working chamber having inlet and outlet ports, a rotor member mounted in the fluid working chamber, one of said members having recesses therein, alternately retractable and extendable vanes mounted in said recesses for sealing the passage of fluid between the pump outlet and inlet, means forming a pressure chamber communicating with the recesses, the pressure in which is effective to urge the vanes outwardly, a permanently open, restricted passage connecting the pressure chamber with the pump outlet, and a pressure responsive relief valve connected between the chambers and an exhaust point responsive to and limiting the maximum pressure in the chamber to vary the amount of extension of the vanes when a predetermined pressure is reached at the pump outlet to thereby vary the amount of slippage past the vanes in a manner to maintain pump outlet pressure constant.

2,411,603
CRACKING OF HYDROCARBON OILS
Charles W. Tyson, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Original application July 26, 1939, Serial No. 286,498. Divided and this application December 10, 1943, Serial No. 513,664
7 Claims. (Cl. 196—52)



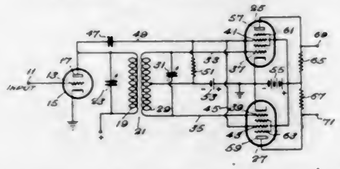
1. In a process for the catalytic conversion of hydrocarbon oils wherein a catalyst in subdivided form is continuously circulated in admixture with oil vapors through a conversion zone and in admixture with oxidizing gas through a regeneration zone, the method of maintaining a seal between said conversion and regeneration zones which comprises accumulating a body of catalyst from one of said zones in a storage zone, periodically transferring catalyst so accumulated into a sealing zone separate and independent from said storage zone, increasing the pressure on the catalyst within said sealing zone, periodically transferring catalyst from said sealing zone to a feeding zone separate and independent from said storage and sealing zones, continuously discharging catalyst from said feeding zone into a stream of gaseous material passing through the other of said first-named zones, and maintaining a mechanical seal between said storage and feeding zones throughout the operation of said process.

5. An apparatus for the catalytic conversion of hydrocarbon oils which comprises a conversion chamber, means for passing a mixture of hydrocarbon oil vapors and finely divided catalyst through said conversion chamber, means for separating finely divided catalyst from the vaporous conversion products, a storage hopper, means for transferring catalyst separated from said vaporous conversion products into said hopper, a closed sealing hopper, a valved connection between said storage hopper and said sealing hopper, means for increasing the pressure on catalyst within said sealing hopper, a closed feeding hopper, a valved connection between said sealing hopper and said feeding hopper, a regenerating chamber, means for passing a regenerating gas through said regenerating chamber, means for continuously feeding catalyst from said feeding hopper into said regenerating gas, means for separating regenerated catalyst from said regenerating gas and means for returning said catalyst so separated to said conversion zone.

2,411,604
STABILIZED CYCLONITE
Milton Heins Wahl, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1942, Serial No. 455,215
1 Claim. (Cl. 52—5)

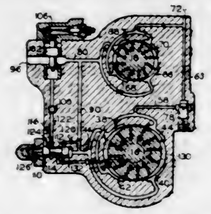
An explosive composition comprising cyclotrimethylenetrinitramine and between 0.1% and 4.0% of an organic base having a dissociation constant lower than 1×10^{-5}.

2,411,605
ELECTRICAL CIRCUITS
Richard C. Webb, Lafayette, Ind., assignor to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
Application February 25, 1943, Serial No. 477,073
6 Claims. (Cl. 250—27)



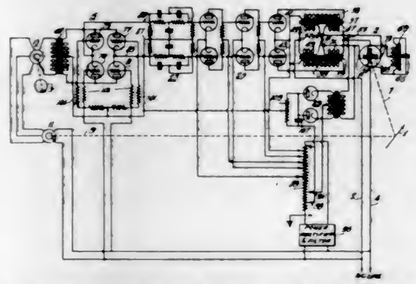
1. A circuit for detecting frequency modulated signal energy comprising a pair of thermionic tubes each having an output electrode element connected to a common load circuit and at least two signal actuated control electrodes, means for supplying frequency modulated signal energy in 180° out-of-phase relationship to one control electrode element of each tube, means for supplying the frequency modulated signal energy cophasally upon a second control electrode element of each tube with the supplied signal energy normally shifted 90° in phase relative to the signal energy supplied to the first control electrode element of each tube, and phase shifting means comprising a serially connected capacity and resistance element operative upon a shift in the frequency of the supplied signal energy for altering the relative phase differences of the signal energy applied to the first and second control electrode elements of each tube to produce thereby output energy of varying magnitudes from each tube.

2,411,606
POWER TRANSMISSION PUMP
Burton J. Wilson, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application September 3, 1942, Serial No. 457,163
6 Claims. (Cl. 103—135)



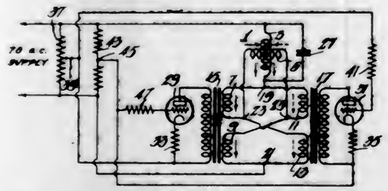
5. A multiple delivery rate pumping unit comprising a plurality of pumps driven from a common drive shaft, one of said pumps being of the rotary type and having working elements adapted to be selectively rendered inoperative during rotation of the pump or placed into operation, fluid pressure applying means for selectively effecting such inoperativeness or operation, another of said pumps remaining in operation and being connected to said pressure applying means during inoperativeness of the first pump whereby pressure is maintained available for said pressure applying means, and a check valve connected with the first-mentioned pump for preventing backflow therethrough while the pump is inoperative.

2,411,607
REMOTE CONTROL SYSTEM
William F. Wolfner, II, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1942, Serial No. 452,984
8 Claims. (Cl. 172—239)



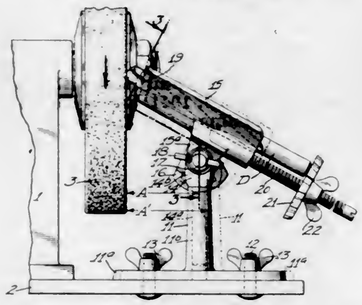
2. In an electrical follow-up system including an electric motor and amplifier means for energizing said motor in response to control signals applied thereto, rectifier means with an input circuit connected to a power input winding of said motor, a source of bias potential connected to said rectifier means to establish a threshold of operation thereof, and means for applying the output of said rectifier means to the input circuit of said amplifier means in opposition to said control signals.

2,411,608
SPLIT-PHASE MOTOR FOLLOW-UP SYSTEM
Robert Lesnick, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 1, 1943, Serial No. 485,301
3 Claims. (Cl. 172—239)



1. A control system including a motor including two phase windings, a pair of electron discharge tubes, two transformers each provided with a primary winding connected between the anode and cathode of one of said electron discharge tubes and each provided with two secondary windings, all of said secondary windings being interconnected to form a Wheatstone bridge circuit, means for applying A.-C. voltage to one of the phase windings of said motor through one pair of conjugate terminals of said bridge circuit and applying said voltage to the other of the phase windings of said motor through another pair of conjugate terminals of said bridge circuit whereby A.-C. voltages are presented between the anode and cathode of each of said electron discharge tubes, and means for applying oppositely variable A.-C. voltages between the control grids and cathodes of said electron discharge tubes.

2,411,609
DRILL GRINDING ATTACHMENT
Raymond G. Zenick, Burbank, Calif.
Application January 19, 1943, Serial No. 472,806
2 Claims. (Cl. 51—219)



1. A drill grinding attachment for a grinding machine having a plane grinding surface, comprising a pedestal adapted to be mounted with respect to the grinding machine at a spaced distance from the grinding surface, a drill holder having a downwardly extending portion swivelly mounted on said pedestal, said drill holder having a drill positioning groove inclined upwardly toward the grinding surface, a stationary screw member secured to and extending from the lower end of the drill holder and positioned below and parallel to the groove therein, a drill stop screwably and rotatably mounted on the screw member, and a thumb nut on the screw member for fixing the position of the stop on the screw member.

2,411,610
TOOTHBRUSH
Emanuel Aaron, New York, N. Y.
Application December 15, 1944, Serial No. 568,283
5 Claims. (Cl. 15—172)

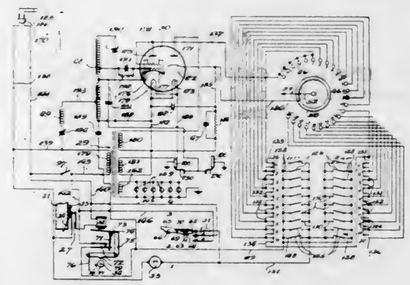


1. A toothbrush comprising a head having bristles on one side thereof, a handle consisting of two parts connected side by side so that the parts may be slid longitudinally relatively to each other, said handle parts having bearings on adjacent ends thereof respectively, said head having spaced pintles which are loosely received in said bearings respectively, the provision and arrangement being such that the head may be disposed in different angular positions with respect to the handle upon relative movement of the handle parts, and said head being retained in the desired angular position by gripping the handle parts together.

2,411,611
MANUFACTURE OF N-(POLYHYDROXYALKYL)-ARYLAMINES
Franz Bergel, Aaron Cohen, and John Wynne Haworth, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application March 4, 1942, Serial No. 433,341. In Great Britain May 20, 1941
5 Claims. (Cl. 260—211)

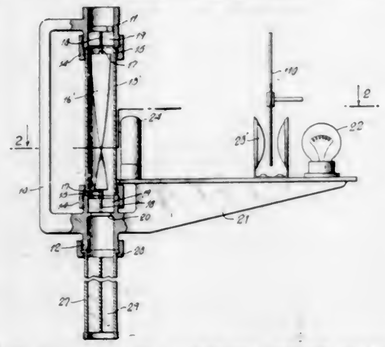
5. 3,4-dimethyl-N-tetraacylribonyl-aniline.

2,411,612
AUTOMATIC PHONOGRAPH
James A. Boyajian, Chicago, Ill., assignor to J. P. Seeburg Corporation, a corporation of Illinois
Application June 20, 1940, Serial No. 341,433
2 Claims. (Cl. 177—353)



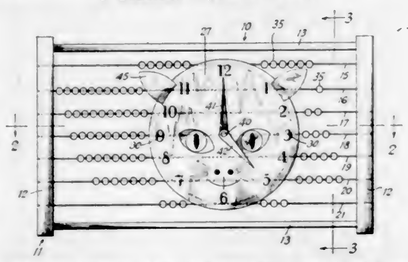
1. A control mechanism for selective phonographs comprising individual means adapted to be actuated to effect the playing of a corresponding recording, a control circuit comprising one of a series of contacts, switches connecting said contacts in series and a conductive member adapted to move over said contacts, a plurality of selector members adapted to open any of said switches whereby to cut any desired number of contacts out of said circuit, motor means for causing said member to move over all of said contacts, a switch associated with each of said selector members for controlling the operation of said motor means, a coin-controlled switch in series with last said switch, a switch in parallel with the coin-controlled switch, means actuated by the motor to open the coin-controlled switch and to open and close the parallel switch, and means responsive to the closing of said circuit for a definite number of times to actuate a corresponding individual means.

2,411,613
METERING DEVICE
Forrest Le Grand Bryant, New York, N. Y., assignor to Jensen Machinery Company, Inc., Bloomfield, N. J., a corporation of New York
Application May 25, 1942, Serial No. 444,357
6 Claims. (Cl. 73—231)



1. In combination, a conduit, means controlled by flow of material through said conduit for producing electrical impulses, a step by step switch having a plurality of contacts and a movable wiper, means for imposing said electrical impulses on said wiper, counting means actuatable by electrical impulses, means electrically connecting certain switch contacts to said counting means, and means responsive to the temperature of the material in the conduit for selectively connecting the remaining switch contacts to said counting means.

2,411,614
TOY
Charles C. Cohen, New York, N. Y.
Application March 3, 1945, Serial No. 580,876
6 Claims. (Cl. 35—39)



2. A device of the character described, comprising a frame having end portions and top and bottom portions, the end portions being interconnected by parallel wires, a clock face simulating member mounted on the wires and between said end portions, and beads slidably mounted on the wires, the number of beads on the wires corresponding to the hour numeral on the clock face adjacent the wires, respectively.

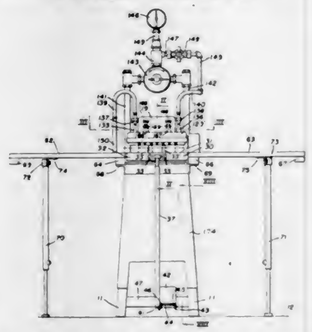
2,411,615
ABRADING DEVICE
Emil A. Dodelin, Moorestown, N. J.
Application March 7, 1945, Serial No. 581,416
5 Claims. (Cl. 51—185)

1. An abrading device comprising a supporting member having a groove at one end extending transversely thereacross, said member being adapted to have a sheet of abrasive material placed thereon with at least one end of said sheet in said groove, a pair of coil springs secured to said member on the sides thereof adjacent to



said grooved end thereof, and a roller rotatably carried by said springs for cooperation with said groove to releasably lock said sheet in said groove under the influence of said springs.

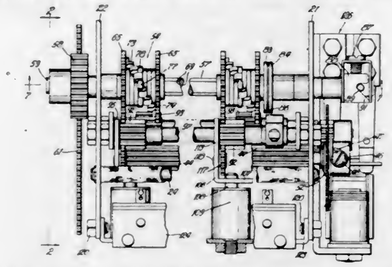
2,411,616
APPARATUS FOR FEEDING, CUTTING, AND MOLDING INDIVIDUAL EDIBLE SPREADS
Charles Doering, Henry H. Doering, Eric W. Anderson, and Bert J. Skoglund, Chicago, Ill.; said Anderson and said Skoglund assignors to said Charles Doering and Henry H. Doering
Application April 7, 1941, Serial No. 387,256
2 Claims. (Cl. 31—7)



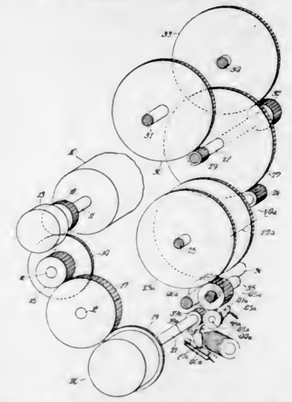
1. In a device of the character described, the combination with a supporting member, of die supporting plate means associated with said supporting member, a plurality of uniformly spaced dies detachably secured to said supporting plate, cutting blades interposed between said spaced dies, said cutting blades and die supporting plate means being mounted for movement relative to each other on said supporting member, a platen movably mounted relative to said supporting member, means for displacing said platen relative to said supporting member, a feeding plate mounted for movement relative to said platen, said feeding plate having a depressed area to compensate for variations in the resulting thicknesses of the material segmented responsive to the operation of said cutting blades and impressing dies thereon, and means for displacing said feeding plate into vertical alignment with said platen for reciprocation therewith.

2,411,617
ELECTRIC CONTROL APPARATUS
Harold F. Elliott, Chicago, Ill.
Application July 16, 1940, Serial No. 345,762
4 Claims. (Cl. 192—142)

1. Electrical rotary control apparatus adapted to be operated to predetermined stop positions including in combination unidirectional rotary driving means, reversible rotary driven means, and a plurality of rotary coupling units operatively connecting said two means and aligned axially relatively to one another in said apparatus, each of said plurality of rotary coupling units having movable interconnected structure including a driving rotary gear portion, rotatable toothed reversing means operatively connected with the driving rotary gear portion, and means including adjustable means and lost motion means operatively connecting said reversing means and said reversible rotary driven means, with all of the movable structure in each coupling unit interconnected in a manner so that such structure always moves to the same relative position at each predetermined stop position for the apparatus.

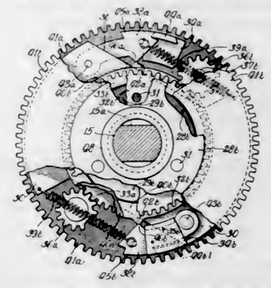


2,411,618
CONTROL APPARATUS
Harold F. Elliott, Belmont, Mass.
Application December 16, 1943, Serial No. 514,462
21 Claims. (Cl. 74—10)



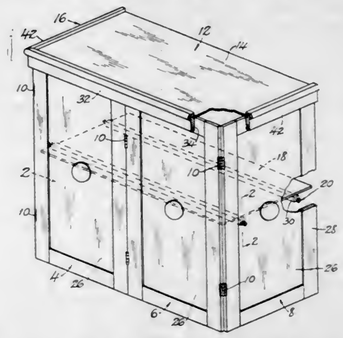
1. In a radio receiver which includes a rotary control shaft operative to drive the tuning element of the receiver in either of two directions; a pair of members rotatably supported upon said shaft, a pair of lost-motion mechanisms, one of said mechanisms including parts rotatably supported upon one of said members and disposed upon opposite sides of said one member, the other of said mechanisms including parts rotatably supported upon the other of said members and including parts disposed upon opposite sides of said other member, actuating means including one of said mechanisms for operating said shaft to a predetermined setting from one direction, actuating means including the other of said mechanisms for operating said shaft to said predetermined setting from the opposite direction, and means responsive to the conjoint operation of both of said actuating means for arresting the movement of said shaft when it is operated to said predetermined setting from either direction.

2,411,619
CONTROL APPARATUS
Harold F. Elliott, Belmont, Mass.
Application December 16, 1943, Serial No. 514,463
6 Claims. (Cl. 192—31)



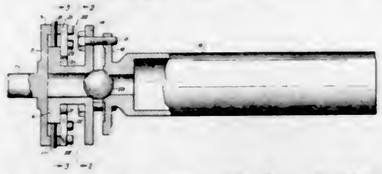
1. In combination, a rotatable actuating element, a second element movable in a path extending radially of the axis of rotation of said actuating element, lost-motion means operative to actuate said second element along said path, and a differential gear mechanism operated by said actuating element and operative to take up the free travel in said lost-motion means and to then operate said second element through said lost-motion means.

2,411,620
COLLAPSIBLE BAR OR THE LIKE
John A. English, Trenton, N. J.
Application July 26, 1944, Serial No. 546,695
3 Claims. (Cl. 312—140.2)



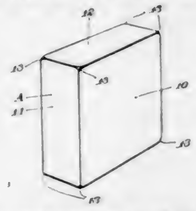
1. A collapsible structure comprising a plurality of rectangular panels having means thereon for holding the panels together and in a vertical position, a top for said structure having a flange thereon formed to fit about the exterior of the panels and serving to prevent the panels from being displaced outwardly from said vertical position, a shelf located on the interior of said panels and engaging the same to prevent the panels from being displaced inwardly from said vertical position, said top, panels and shelf being separable so as to collapse the structure and said panels and shelf each having smaller exterior dimensions than said flange and being movable to superimposed positions in which they will fit within the flange on the top when the structure is collapsed, said flange having a groove on the inner face thereof for receiving said shelf to hold it in place over the panels when the panels are fitted into the flange on collapsing the structure.

2,411,621
ALIGNING BAR
David S. Grubbs, Cleveland, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application June 28, 1945, Serial No. 602,107
4 Claims. (Cl. 82—45)



1. An aligning bar assembly for aligning the tool carriage with the rotatable work-holding chuck of a metal working machine, said assembly including a shank to be engaged and driven by said chuck, a flange rigid with said shank for receiving in loose flatwise engagement a smaller flange and means for releasably securing said flanges together and for adjusting the same radially with respect to each other, a third flange rigid with said smaller flange, an elongated hollow spindle having an end flange and means for releasably securing said third flange and said spindle flange and for adjusting the same universally with respect to each other.

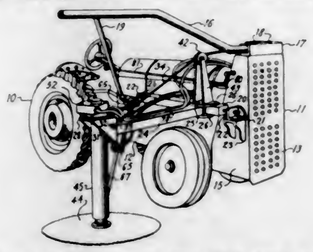
2,411,622
MOLDED CARTON CONSTRUCTION
Reynolds Guyer and Robert M. Dunning, St. Paul, Minn., assignors to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application October 4, 1943, Serial No. 504,820
7 Claims. (Cl. 229—3.5)



1. A sealed package comprising a series of panels connected together to completely enclose the package contents, the material composing the panels including at least in the area of the trihedral corners at one end of the carton a thermoplastic material, each said trihedral corner having its apex compressed in predetermined beveled or rounded form, said thermoplastic material operating to hold said corners permanently in said predetermined form.

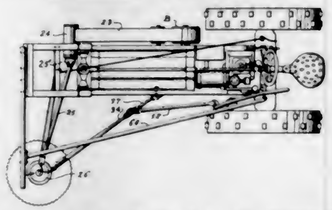
2,411,623
PORTABLE SAW
John C. Jaques, Denison, Tex.
Application July 15, 1944, Serial No. 545,048
4 Claims. (Cl. 143—43)

1. A mobile power saw including a laterally extending arm having means for mounting it on the side of a tractor pivotally about a horizontal axis alongside the tractor and swingably about an axis in a plane normal to the pivotal axis, an upright support depending from the outer end of said arm, an upright rotatable shaft mounted in said support, a circular saw mounted on the lower end of said shaft below said support, a hydraulic cylinder having means for pivotally mounting it on the side of a tractor laterally remote from the arm, a piston in the cylinder and having a rod extending from the cylinder and pivoted to the lower end of said support, said cylinder and piston and rod constituting means



for bracing the support and saw and for swinging the same in a substantially horizontal plane into and out of the work, a hydraulic motor mounted on the outer end of the arm connected to the upper end of the shaft, and means for supporting said arm against downward movement.

2,411,624
MOBILE SAW
John C. Jaques, Denison, Tex.
Application March 9, 1945, Serial No. 581,728
7 Claims. (Cl. 143—43)

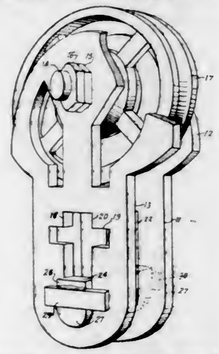


1. A mobile saw adapted to be mounted on a tractor including, an upright support adapted to be mounted on the forward end of the tractor frame, a saw unit including a saw head having saw rotating means and a circular saw connected to said means, a substantially V-shaped brace connected at its apex to the saw unit and swingably connected at the opposite ends to the tractor frame and including means for driving the saw rotating means, one leg of said brace being adjustable lengthwise, means carried by the upright support and connected to the saw unit for adjustably supporting the latter, and manually operable means adapted to be mounted on the tractor and connected with the adjustable leg of the brace for adjusting said leg and thereby the saw unit to positions forward and rearward of the upright support.

2,411,625
SNATCH BLOCK
John C. Jaques, Denison, Tex.
Application April 21, 1945, Serial No. 589,539
3 Claims. (Cl. 254—194)

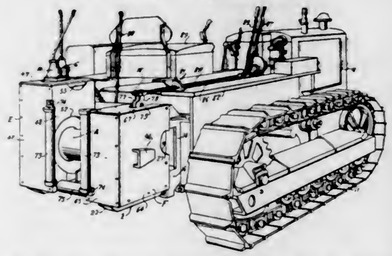
1. A snatch block including, a pair of side plates having a pulley journaled therebetween, each of said plates having a slot spaced from the pulley, a one-piece latch block disposed in said slots between the plates and having a boss intermediate the ends of the block engaging when in an operative position between the side plates for

preventing the plates from being forced together, bearing portions on the latch block engaging the plates, and lugs on the latch block outward of the bearing portions engaging the outer sides of the plates for preventing spreading of the plates, said lugs and boss forming a portion of the one-



piece latch block, and bars secured to the ends of the latch block and spaced from the side plates, one of said plates having an additional slot for the passage of one of the bars to allow lateral shifting of the latch block to open the snatch block, said bars permanently confining the block within the slot of one plate.

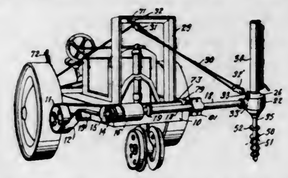
2,411,626
MOBILE WINCH UNIT
John C. Jaques, Denison, Tex.
Application June 1, 1945, Serial No. 597,014
5 Claims. (Cl. 254—166)



1. A mobile winch unit adapted to be mounted on a tractor having a power take-off including, a carrier having means for mounting it on the rear end of a tractor, a pair of spaced upright housings mounted on each side of the carrier and having unbroken outer side walls, a winch drum between the housings having bearing supports entirely within said housings, transmission means in the upper portion of one of said housings, driving means connected to the winch drum and mounted in said housing below said transmission means, an endless sprocket chain in said housing connecting the driving means and transmission means therein, and a driving connection extending from the transmission means having means for attaching it to the power take-off of a tractor.

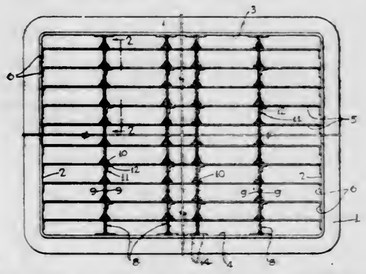
2,411,627
EARTH AUGER
John C. Jaques, Denison, Tex.
Application March 21, 1946, Serial No. 655,950
7 Claims. (Cl. 255—19)

1. An earth auger for a tractor having a frame including, a torque tube member having one end pivotally connected to the tractor frame and its opposite end extending horizontally thereof, a brace member having its inner end pivotally connected to the tractor frame and its outer end pivotally connected to the torque tube member, one of said members extending transversely of the tractor frame and the other member extending longitudinally of the tractor frame, a gear housing having gearing therein mounted on the outer end of the torque tube member, a gearing shaft connected with the gearing of the housing and extending through the torque tube member,



means for driving the gearing shaft adapted to be connected with the driving mechanism of a tractor, an upright boring shaft slideable through the gearing of the housing and rotated thereby, means carried by the housing for vertically adjusting the boring shaft, a bit mounted on the lower end of the boring shaft, and means connected to the tractor for vertically adjusting the gear housing, the pivotal connection of the torque tube member and brace member to the tractor frame allowing vertical movement of the housing and bit and rigidly holding the housing and bit against lateral movement.

2,411,628
GRID MEMBER
Benjamin Labaree, Philadelphia, Pa., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 11, 1944, Serial No. 549,110
2 Claims. (Cl. 189—82)



2. In a sheet metal grid element, having a four-sided sheet metal frame and a plurality of spaced thin gauge sheet metal slats extending between and secured to two opposed sides of said frame, means for maintaining the intermediate portions of said slats against transverse deflection, comprising at least one pair of thin gauge sheet metal strips extending between the other opposed sides of said frame, each of said strips having a plurality of slots along one longitudinal edge thereof corresponding in number and spacing to said slats, the slotted edges of said strips overlapping each other in abutting relation with said slots receiving said slats in embracing relation, at least certain of the slotted edges of each pair of strips being flanged at one side of the embraced slats outwardly away from the plane of the strips to

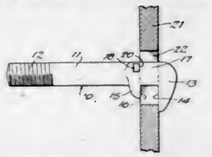
engage the slats at spaced regions while the slotted edges at the other side of the embraced slats engage the slats at regions intermediate said spaced regions, means securing the ends of said strips to said other spaced frame sides and means securing the strips of each pair together between at least some of said slats.

2,411,629

BOLT AND MOUNTING THEREFOR

Thomas D. Lane, Winnetka, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois

Application July 17, 1943, Serial No. 495,169
4 Claims. (Cl. 189—35)



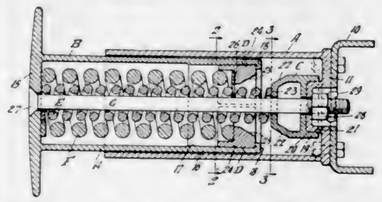
1. A bolt to be mounted at its head end in a rectangular slot in a mounting plate or the like firmly to outstand therefrom even in the absence of other structure and comprising, in combination, a shank inwardly threaded from its outer end, a head at the other end of the shank consisting of a jaw-like extension on only one side of the shank presenting a forwardly facing shoulder substantially perpendicular to the axis of the bolt, said head having a width substantially equal to that of the shank, the end of said head being rounded at the corner opposite said jaw-like extension so that the head may be passed through said slot from an angular position and then swung to a position in which said shank is normal to the plate and said shoulder embraces the rear surface of the plate, a jaw extending from the same side of the shank as the head and presenting a rearwardly facing shoulder opposed and parallel to said forwardly facing shoulder, said shoulders being spaced apart to receive and grip said plate, said jaw being sufficiently shorter than the head that said forwardly facing shoulder engages the rear surface of the plate independently of the jaw during placement to serve as a guide and that said jaw does not prevent said swinging of the bolt to said position normal to the plate, and a neck of rectangular section between the head and the jaw adapted to fit into said slot and prevent rotation of the bolt relative to the plate.

2,411,630

SHOCK ABSORBER

Edward H. Lehman, Chicago, and George E. Dath, Mokena, Ill., assignors to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application December 26, 1944, Serial No. 569,817
5 Claims. (Cl. 213—221)



1. In a shock absorber, the combination with a friction casing; of friction shoes slidingly telescoped within the casing; spring means within the casing yieldingly opposing movement of the shoes inwardly of the casing; means on said casing engageable by said shoes for restricting outward movement of the shoes; a wedge block normally spaced from said shoes to provide lost motion between the shoes and wedge block, said block and shoes having cooperating wedge faces; and spring means yieldingly opposing movement of said casing and wedge toward each other, said spring means in expanded condition holding the wedge block in said normally spaced relation with respect to the shoes with the wedge faces of said wedge and shoes separated.

2,411,631

STABLE, SUPERSATURATED SOLUTIONS OF SACCHARIDE DERIVATIVES OF THE SUPRARENAL CORTICAL HORMONE SERIES AND PROCESS OF MAKING SAME

Karl Miescher, Riehen, and Charles Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application June 11, 1943, Serial No. 490,536. In Switzerland December 24, 1942
9 Claims. (Cl. 167—77)

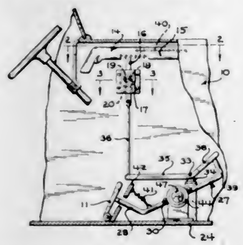
4. A stable, supersaturated aqueous solution of a saccharide derivative of the suprarenal cortical hormone series containing, as hydrotropic agent, a physiologically inert proportion of a saccharide, said hydrotropic agent being present in a concentration sufficient to effect stabilization of the solution but not exceeding about 20–25%.

2,411,632

AUTOMATIC EMERGENCY BRAKE RELEASE FOR MOTOR VEHICLES

Harold Moran, Lincoln Park, N. J.

Application June 16, 1945, Serial No. 599,874
8 Claims. (Cl. 192—3)



1. In combination with a vehicle having a depressible accelerator pedal, an emergency brake having a member with ratchet teeth for engagement by a bolt for holding said brake set, and an ignition switch, means for releasing said brake when said pedal is depressed, means for latching said pedal in a raised position, solenoid controlled means for releasing said latching means, and a circuit including said ignition switch of said vehicle for operating said solenoid controlled means.

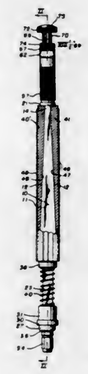
2,411,633

ABRASIVE REAMER

Anthony Oberholtz, Jr., Los Angeles, Calif.

Application December 21, 1942, Serial No. 469,590
12 Claims. (Cl. 51—184.3)

1. In an adjustable abrasive hole-finishing cutting tool, the combination with a body, of a plurality of abrasive sheet supporting shoes adjustably associated with said body, actuator means interposed between said body and said shoes for expanding and contracting said shoes relative to each other, means on the end of said body for operating said actuator means, an unconnected end bearing removably and rotatively associated with said body for unobstructed operative attachment and inoperative detachment therewith to serve as a manual handle sleeve and calibrated means on said end bearing said calibrated means cooperating with said actuator means to control the expansion of said shoes to a predetermined limit from an initially set relative position.

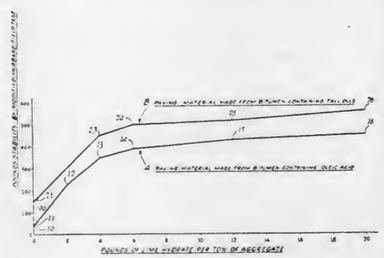


2,411,634

BITUMINOUS PAVED SURFACE AND METHOD OF MAKING THE SAME

Herbert P. Pearson, New York, N. Y., assignor to Howard B. Bishop, Summit, N. J.

Application May 19, 1945, Serial No. 594,625
11 Claims. (Cl. 106—235)



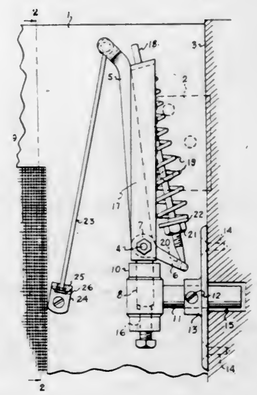
5. The cold-mix method of making a butumious water-resistant paving material which comprises treating a mineral aggregate with rosin acids in an oil solvent and agitating the mixture to thoroughly coat the aggregate with the rosin acids, and immediately thereafter treating the coated aggregate with an alkaline material selected from the group consisting of hydrated lime and quicklime and immediately thereafter adding and mixing liquid cut-back bitumen with said aggregate, said alkaline material being present in an amount equaling at least 2.8 pounds per ton of aggregate in excess of the amount theoretically necessary to react with said rosin acids.

2,411,635

SPRING DOOR CLOSER

Frank Pfent, St. Clair, Mich.

Application February 24, 1945, Serial No. 579,616
12 Claims. (Cl. 16—80)



1. In a door closer, the combination with a frame member and a door member hinged to said frame member, of a bracket fixed on one of said members, a support swivelly carried by said bracket to turn about an axis substantially parallel to the hinge axis, a lever pivoted on said support to rock about an axis substantially transverse to that of the support, said lever forming a work arm and a relatively long power arm, a swinging connection extending from the power arm to the other of said members for rocking the lever as the door member is opened, and a spring carried by said bracket and compressed against said work arm to resist swinging of the lever incident to opening of the door member.

2,411,636

STABILIZED FERROUS SULFATE

Ernst Preiswerk, Munchenstein, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application May 6, 1943, Serial No. 485,945. In Switzerland May 6, 1942
7 Claims. (Cl. 167—72)

1. A stable medicinal preparation substantially consisting of at least partially dried crystalline ferrous sulfate containing a maximum of four mŏles of combined water closely mixed with at least one-fourth of its weight of ascorbic acid.

2,411,637

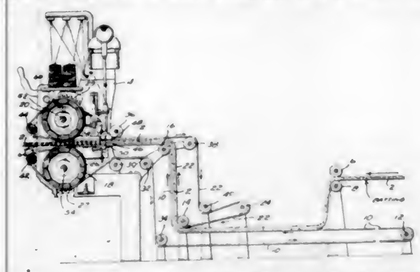
FEEDING MECHANISM FOR COTTON BATTING AND THE LIKE

Monroe W. Ramage, Jr., Lockport, N. Y., assignor to Lockport Cotton Batting Co., Lockport, N. Y., a corporation of New York

Application January 26, 1945, Serial No. 574,770
10 Claims. (Cl. 112—203)

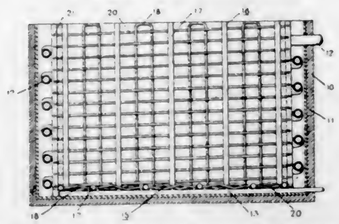
1. Batting feeding mechanism comprising cooperating feeding rolls, laterally spaced endless belts, each traveling over one of said rolls and arranged to support the batting as it is carried into the feeding bite of the rolls, a pulley on the intake side of said rolls over which each belt travels and a second pulley on the discharge side of said rolls over which each belt also travels,

said second pulley being so located in respect to the feeding bite of said rolls as to separate each



belt from the belted roll just beyond said feeding bite.

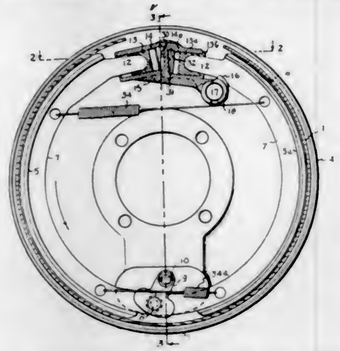
2,411,638
INSULATING SHIELD FOR ELECTROLYTIC TANKS
Selden Bradley Sanford, Yonkers, N. Y., and William George Nutzel, Nutley, N. J., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application December 27, 1943, Serial No. 515,838
2 Claims. (Cl. 204—279)



1. An insulating shield for an electrolytic processing tank having a metal lining serving as an electrode comprising; a bottom portion for shielding the bottom of the tank; and an upright portion for shielding the side and end walls of the tank; each portion comprising a plurality of spaced main members, each having a plurality of cross apertures equally spaced lengthwise thereof, a plurality of cross members extending through said apertures, and a plurality of warp members between and parallel to said main members with which the cross members are interwoven, the main members of the upright portion extending vertically and having their apertures positioned therein so that the cross members of such portion form an upwardly extending spiral, and all of said members being of bendable tubing of synthetic resin resistant to the chemical action of the electrolyte.

2,411,639
WEAR COMPENSATING BRAKE MECHANISM
Charles A. Sawtelle, Rosedale Gardens, Mich.
Application October 4, 1944, Serial No. 557,065
1 Claim. (Cl. 188—152)

In a brake mechanism, a brake drum, brake friction means supported within the drum for engagement therewith and having ends spaced circumferentially of the drum, a cylinder block disposed between said ends and formed with two separate bores opening in opposite ends of said block, a pair of pistons slidable in said bores to and from each other for respectively moving the respective spaced ends into engagement with the drum, means for delivering a fluid under pressure to the mutually adjacent ends of said bores, such means affording a free withdrawal of the fluid from one of said bores, means for trapping a volume of the pressure fluid in the other bore behind



the piston therein under non-braking conditions and for progressively increasing such volume in proportion to wear of the shoe actuable by such piston, and means for yieldably retracting the shoes.

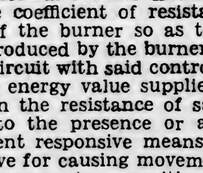
2,411,640
NECKTIE KNOT FORM
Clarence E. Saxton, San Diego, Calif.
Application April 20, 1945, Serial No. 589,334
1 Claim. (Cl. 2—153)



A neck-tie form comprising a single continuous length of wire bent to form a pair of downwardly converging side strands connected at their lower ends by an outwardly curved bight section disposed in a plane substantially perpendicular to the plane of the side strands, the upper end of one of said side strands terminating in an inturned section lying in a plane parallel to and inwardly of the plane of the side strands, and the upper end of the other of said side strands having an outwardly bowed section extending crosswise of the tie form and a continuation section extending downwardly and substantially parallel to one of the side strands, said continuation section terminating in an upwardly directed hook located below and in line with the curve of said bight section.

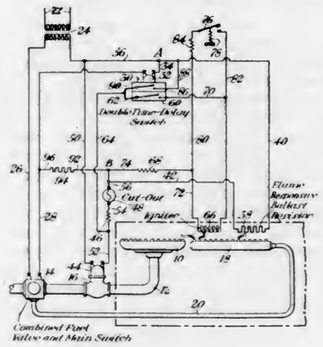
2,411,641
WORK TABLE WITH SINE BAR ADJUSTMENT
Louis Edwin Sealey, Carsham, England, assignor to Papworth Limited, Bristol, England, a British company
Application February 4, 1944, Serial No. 521,157
In Great Britain November 10, 1941
4 Claims. (Cl. 90—58)

1. In a work table, a base, a pillar rising from said base, a shaft pivotally mounted on said pillar to swing in a vertical plane, a bearing to carry a work table, said bearing comprising dependent members rockable on said shaft in a vertical plane at right angles with the aforesaid vertical plane, said work table being rotatable on said bearing to obtain a compound adjustment of said work table, an arm pivoted on said base carrying a bifurcated block, said block being movable longi-



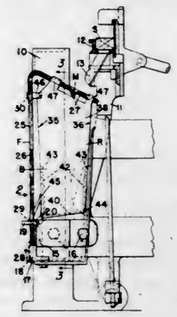
tudinally of said arm, links pivoted to said base and to said bearing respectively and having their joint meeting at said block, a pin connecting said links and passing through the split part of said block to tighten the latter to maintain the said links and bearing in the position to which they have been adjusted.

2,411,642
SAFETY CONTROL APPARATUS FOR FUEL BURNERS
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application March 23, 1945, Serial No. 584,278
5 Claims. (Cl. 158—117.1)



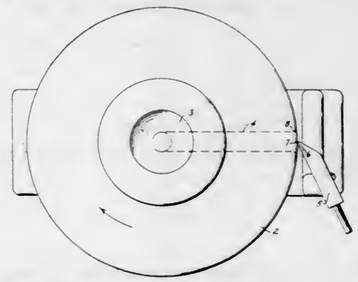
1. A safety control system for fuel burners having a source of electrical energy, comprising electrically operable means movable between positions for controlling the supply of fuel to a fuel burner, a thermal resistor having a preselected temperature coefficient of resistance located in proximity of the burner so as to be heated by the flame produced by the burner and connected in parallel circuit with said controlling means for varying the energy value supplied thereto upon variations in the resistance of said thermal resistor due to the presence or absence of said flame, current responsive means in said circuit and operative for causing movement of said con-controlling means to a position in which said fuel supply is prevented upon the occurrence of an open circuit in said thermal resistor, and means electrically connected to said current responsive means and effective for preventing operation thereof for a predetermined period during which said thermal resistor has time to become heated, said last means including a timing element operable upon expiration of said period for rendering said last means ineffective.

2,411,643
BOBBIN RECEIVER WITH MOVABLE BOTTOM
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,943
11 Claims. (Cl. 139—255)



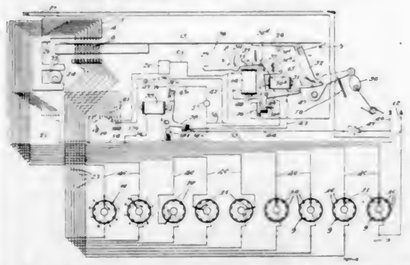
11. A bobbin receiver for a weft replenishing loom having a support for the receiver, said receiver having upper parts defining a bobbin receiving mouth and having a bottom movable to different distances from said mouth, and elastic means mounting said bottom for downward movement relatively to the mouth when the receiver is on said support to increase the capacity of the receiver when bobbins accumulate in the latter.

2,411,644
STAPLE FIBER AND PRODUCTION THEREOF
Norman S. Welton, Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 15, 1942, Serial No. 454,963
13 Claims. (Cl. 164—36)



13. In a method of producing staple fiber, the steps of cutting a bundle of continuous filamentary material in a partially plastic condition to discontinuous lengths by subjecting the material to transverse compression along a substantial portion thereof immediately adjacent the cutting position, between opposed offset surfaces extending transversely of the bundle and relatively moving toward and through the bundle of material from opposite sides thereof in adjacent tangentially related paths to effect shearing thereof while simultaneously feeding the material at high velocity to the cutting position, both of said surfaces being inclined at an acute angle from the line of shear.

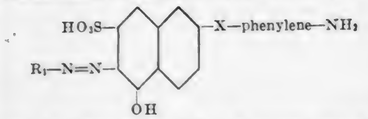
2,411,645
CARD FILING OR GROUPING APPARATUS
Irene B. Whetstone, Chicago, Ill., assignor to International Business Machines Corporation, a corporation of New York
Application September 17, 1936, Serial No. 101,207
48 Claims. (Cl. 209—110)



9. A data comparing machine for records of the character described comprising means for consecutively sensing opposed groups of records, means controlled by said sensing means for partially establishing an electric circuit corresponding to each ordinal in each opposed record being sensed, means to energize all of said partially established circuits and means controlled by at least one of said energized circuits to select a record having a value nearest a predetermined value extreme.

2,411,646
DISAZO DYESTUFFS AND PROCESS OF MAKING SAME
Walter Anderau, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss company
No Drawing. Application August 2, 1943, Serial No. 497,077. In Switzerland August 21, 1942
18 Claims. (Cl. 260—155)

1. A process for the manufacture of a disazo-dyestuff, which comprises coupling, with an 8-hydroxyquinoline capable of coupling, a diazotized aminoazo compound of the formula



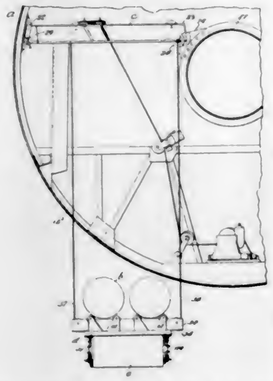
wherein X stands for a link including the arrangement



wherein Y is a member selected from the group consisting of oxygen and a member of a heterocyclic ring leading to the 1-position of the naphthalene nucleus, and wherein R_1 stands for an aryl radical.

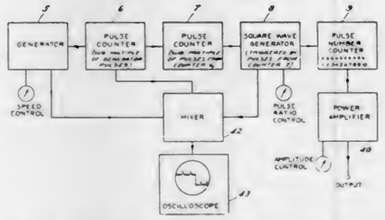
2,411,647
BOMB LOADING APPARATUS FOR AIRPLANES
Lauren W. Bonnell, Fort Worth, Tex., and Robert Gordon Sharp, San Diego, Calif., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application August 25, 1944, Serial No. 551,182
13 Claims. (Cl. 244—137)

1. The combination with a lifting carriage comprising transverse end-beams and longitudinally extending girders supported on the end-beams, and a cable-system for raising and lowering the carriage, of a bomb-carrier separable from the carriage and comprising a base adapted to pass between the girders, means adapted to be engaged by and for supporting the carrier on the girders, and chocks mounted on the base, for holding a bomb.



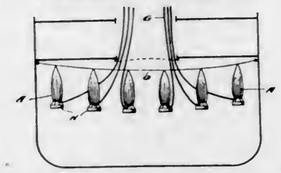
13. Bomb loading apparatus for an airplane, comprising: a lifting carriage adapted to pass through an opening into the airplane body; a rigid bomb carrier; the carriage being provided with means for supporting engagement with the bomb carrier; transverse supporting beams supported in the airplane body and above the ends of the carriage, respectively; said cable system comprising a pair of depending cable sections at each end of, and connected to, the ends of the carriage respectively, and pairs of cable sections extending longitudinally of the carriage, each pair of longitudinaly extending sections being coupled together between the supporting beams and connected to one pair of the depending sections; guide means between the depending sections and the longitudinal sections on each of the supporting beams; and operating means for the cable system connected to the coupled pairs of longitudinally extending cable sections, for operating each pair of the longitudinally extending cable sections to operate the depending sections.

2,411,648
METHOD AND APPARATUS FOR GENERATING IMPULSES
Howard H. Brauer and Robert W. Knebel, Rochester, N. Y., assignors to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,170
7 Claims. (Cl. 177—380)



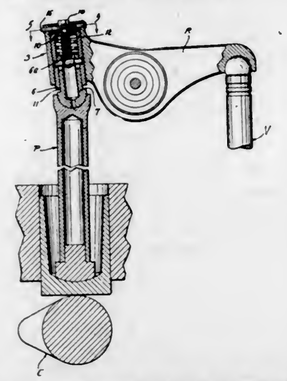
4. In an impulse generating system, a continuously operating pulse generator, a wave generator triggered by pulses from said pulse generator to deliver impulses, and an impulse number counter coupled to said wave generator and selectively operated to deliver a predetermined number of impulses.

2,411,649
APPARATUS FOR RAISING SUNKEN VESSELS
Emile Alexandre Brizay, Caulfield, Victoria, Australia, assignor of one-third to Edward Miller Grimm, Hamilton, Queensland, Australia, and one-third to Alexander Edward Hughes, Melbourne, Victoria, Australia
Application March 9, 1943, Serial No. 478,501
In Australia November 26, 1942
3 Claims. (Cl. 114—54)



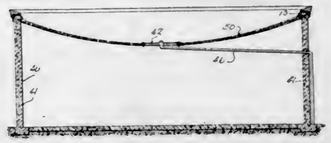
1. Apparatus for raising a sunken vessel comprising a series of inflatable bags each having an open bottom, flexible means attached to the closed tops of the bags and suspending them beneath and adjacent a deck of said vessel, and means for inflating the bags by the introduction of a gaseous medium through their bottoms.

2,411,650
VALVE LINKAGE
Otto M. Burkhardt, Euclid, Ohio
Application March 25, 1943, Serial No. 480,430
17 Claims. (Cl. 123—90)



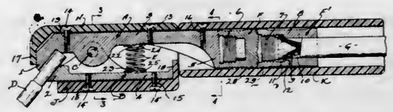
17. In an internal combustion engine in which the valve linkage is subject to alternating yield and restitution incident to pressure within said linkage during actual operation of the same, the combination of an automatically adjustable clearance regulator adapted for operation in the valve linkage, said regulator comprising interengaging companion members capable of relative longitudinal adjustment in either direction for either taking up or providing clearance, a cam for effecting actuation of the valve linkage, said cam having a dwell portion provided in the cam flank itself thereof so as to permit the energy stored up in linkage to spend itself and thereby reduce the danger of surge in the linkage operation, and spring means arranged between said members and tending normally to effect relative extension of the same so as to thereby prevent the occurrence of slackness in the linkage at any time.

2,411,651
CATENARY ROOFLIKE CONSTRUCTION AND METHOD OF FORMING IT
William D. Darby, West Allis, Wis.
Application January 24, 1942, Serial No. 428,046
9 Claims. (Cl. 108—1)



1. A catenary area construction including peripheral catenary supports, a central catenary plate, flexible catenary members extending between the plate and said peripheral support whereby to constitute an array of catenary members, and cementitious material formed upon and about said catenary members whereby to form a continuous rigid surface, said surface, plate, and members being substantially wholly suspended at the ends of said members from said supports.

2,411,652
WELDING TOOL
Joseph U. Garibay, Montebello, Calif.
Application June 11, 1945, Serial No. 598,683
2 Claims. (Cl. 219—8)

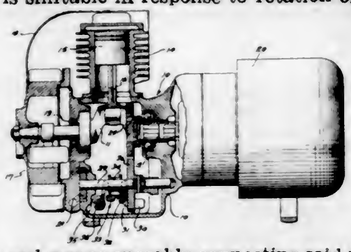


1. A welding tool comprising: a pair of hinged members having cooperating jaws and tensioned for gripping and supporting a welding rod, and so arranged that when supporting a welding rod said members will be substantially parallel, one of said members having a handle extension, and separate insulating shields attached to said members for protecting an operator against contact with the jaw members, one of said shields being of cylindrical cross section and adapted to encompass said handle extension and a cable electrically connected therewith, and a pair of said shields being of U cross section of different size and arranged in overlapping relation and attached to the jaw members forwardly of the cylindrical shield.

2,411,653
INTERNAL-COMBUSTION ENGINE
Earl Ginn, North Muskegon, Mich., assignor to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application June 28, 1945, Serial No. 601,983
6 Claims. (Cl. 123—108)

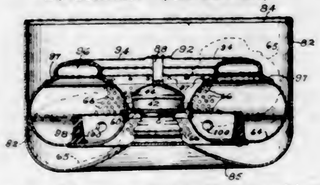
1. In an internal combustion engine of the type having a crankshaft and a pump shaft driven from the crankshaft, a throttle control member, a combined governor and counterbalancing unit structure which comprises a governor member

eccentrically mounted on said pump shaft and which is shiftable in response to rotation of said



shafts, and means operably connecting said members to provide speed control for said engine.

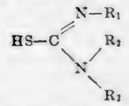
2,411,654
CLOTHES WASHING MACHINE
Lionel J. Gottschalk, New Orleans, La.
Application October 30, 1943, Serial No. 508,302
16 Claims. (Cl. 68—23)



9. In a washing machine, the combination of a tub, a foraminous anchor-ring shaped basket supported in said tub, and means for giving said basket a progressive circular undulating motion based on a point located centrally within said ring.

2,411,655
PROCESS FOR CONDENSATION PRODUCTS OF THIOUREA COMPOUNDS
Charles Graenacher, Riehen, and Richard Sallmann, Gelterkinden, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland, a Swiss company
No Drawing. Original application January 19, 1939, Serial No. 251,850. Divided and this application July 14, 1943, Serial No. 494,732. In Switzerland January 22, 1938
5 Claims. (Cl. 260—402.5)

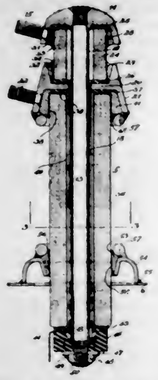
1. Process for the manufacture of condensation products, which comprises condensing a thiourea compound of the formula



wherein R_1, R_2 and R_3 are members of the group consisting of hydrogen, alkyl, aryl and aralkyl radicals, with a methylol compound of a primary amide, the said methylol compound containing at the most 13 carbon atoms at least 7 of which are connected, in the presence of acids and diluents.

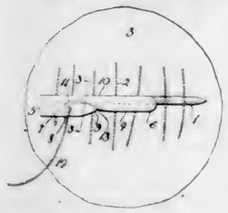
2,411,656
COAXIAL BUSHING
Kenneth L. Henderson and Edward F. De Mers, Irondequoit, N. Y., assignors to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application February 7, 1944, Serial No. 521,463
3 Claims. (Cl. 174—73)

1. A coaxial bushing for use with a fluid-filled receptacle of an electrical device, said bushing comprising a hollow conductor, a second conductor extending through said hollow conductor in insulated relation thereto, each conductor terminating in an annular terminal, a hollow ceramic insulator enclosing one of said conductors and spacing said terminals, band-like surface areas of said insulator encircling both end portions thereof being metallized, fused metal connections sealing each terminal to an adjacent metallized band, a second ceramic insulator enclosing said conductors, spaced band-like surface



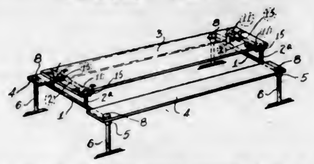
areas of said second insulator encircling the same being metallized, a fused metal connection sealing one of said metallized areas to the terminal of the hollow conductor, a metal ring encircling said last-mentioned insulator and adapted to be metal sealed to the margin of the wall of the receptacle defining an opening therein, and a fused metal connection sealing said ring to the remaining band-like metallized area of said second insulator, certain of said metal connections having relatively thick portions tapering to thin edges at the boundaries between the several metallized bands and the adjacent insulator portion.

2,411,657
WOOL CLIP
Elizabeth M. Kellas, Winnipeg, Manitoba, Canada, assignor of one-third to David W. Wilson, Winnipeg, Manitoba, Canada
Application May 14, 1945, Serial No. 593,725
3 Claims. (Cl. 66—1)



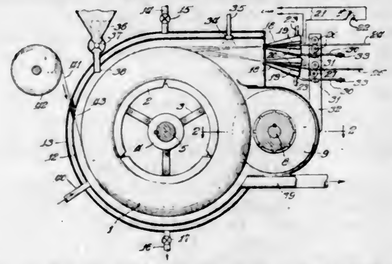
1. A wool-ball clip for permitting the suspension of a ball of knitting-wool from a length thereof while knitting, comprising a needle portion insertable tangentially into the ball and beneath a few turns of the strand forming said ball, and a slide portion overlying said needle portion, said slide portion being integrally united to one end of such needle portion and having therein a slot one end whereof is open to receive said length of wool therethrough.

2,411,658
KNOCKDOWN PICNIC TABLE
John C. La Rue, Bainbridge, Ohio
Application June 12, 1944, Serial No. 539,812
2 Claims. (Cl. 5—3)



2. An article of furniture comprising a supporting frame having spaced parallel members, duplicate inverted substantially U-shaped members extending upwardly from the middle part of said parallel members, the legs of said inverted U-shaped members being inclined inwardly and upwardly, seat members adapted to rest upon said parallel members at the two sides of said inverted U-shaped members, a table member adapted to rest upon the top of said inverted U-shaped members or to have its ends inserted between the lower ends of said legs and supported upon said parallel members, and cleats attached to the under-side of said table member, each cleat having a substantially inverted U-shaped portion adapted to snugly engage over either the top of one of said inverted U-shaped members or one of said parallel members.

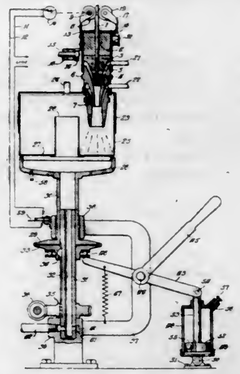
2,411,659
TIRE CONSTRUCTION
Fred W. Manning, Palo Alto, Calif.
Application August 5, 1942, Serial No. 453,630
15 Claims. (Cl. 154—9)



13. In a tire building apparatus, the combination of: a primary mold; an enclosure for the said primary mold; means connected to the said enclosure for disrupting a spinning material into plastic filaments; means for conveying the said filaments to the said primary mold; means for rotating the primary mold at a speed greater than the speed of travel of the said filaments to stretch the filaments and wind them upon the mold; a secondary mold shaped and positioned to cut treads in the said windings by pressural contact during rotation of the two said molds; and means for rotating the said secondary mold.

2,411,660
METHOD OF MAKING FILTER CARTRIDGES, ABRASIVE SHEETS, SCOURING PADS, AND THE LIKE
Fred W. Manning, Palo Alto, Calif.
Application May 22, 1943, Serial No. 488,317
12 Claims. (Cl. 154—101)

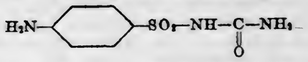
1. A method of making articles of the character described comprising: reducing a spinning material to a fluid condition; disrupting the said fluid material into a plurality of filaments; and depositing the said filaments in an adhesive and intersecting condition upon a retaining wall mov-



ing in an endless path to build up a succession of integral fabric windings in which each successive winding is deposited in a sufficiently adhesive condition to adhere to its adjacent winding.

2,411,661
4-AMINOBENZENE-SULFONE-CARBAMIC ACID DERIVATIVE
Henry Martin, Basel, Rudolf Hirt, Riehen, and Alfred Staub, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland, a corporation of Switzerland
No Drawing. Application January 25, 1945, Serial No. 574,632. In Switzerland December 23, 1939
1 Claim. (Cl. 260—397.7)

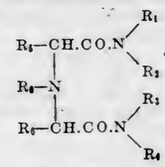
The condensation product of the formula



being a colorless compound of excellent therapeutic properties and having the melting point of 158°–160° C.

2,411,662
IMINO-DI-FATTY ACID AMIDE
Henry Martin and Hans Gysin, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application April 28, 1944, Serial No. 533,265. In Switzerland May 13, 1943
9 Claims. (Cl. 260—561)

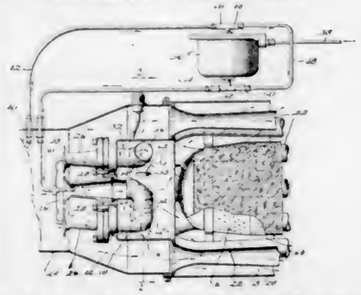
1. An imino-di-fatty acid amide of the formula



wherein R_5 and R_6 each represents a member selected from the group consisting of H and lower alkyl, R_0 represents a member selected from the group consisting of lower alkyl, allyl, benzyl, phenethyl and cyclohexyl, R_1 represents a mem-

ber selected from the group consisting of H, lower alkyl and allyl, and R_2, R_3 and R_4 each represents a member selected from the group consisting of lower alkyl and allyl.

2,411,663
HEATER
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 1, 1943, Serial No. 477,507
12 Claims. (Cl. 126—116)



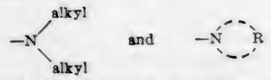
2. A heater of the class described, comprising means forming a combustion chamber having a longitudinal axis and a cylindrical wall, a plurality of induction tubes having outlet ends equally spaced in a circle about said axis, each of said outlet ends being directed at an acute angle to said cylindrical wall and arranged to discharge a combustible mixture substantially tangentially to said wall, an igniter for igniting said mixture, means cooperating with said combustion chamber to provide an igniter pocket communicating at each end with said combustion chamber whereby a combustible mixture is circulated through said pocket and over said igniter by the tangential discharge from said induction tubes, means for supplying combustible mixture to said induction tubes, a heat exchanger receiving hot products of combustion from said combustion chamber, and means supplying air to said induction tubes and said heat exchanger.

2,411,664
AMINO ALCOHOLS AND METHOD OF PREPARING THE SAME
Karl Miescher, Riehen, and Adrian Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application July 6, 1942, Serial No. 449,960. In Switzerland July 25, 1941
8 Claims. (Cl. 260—570.6)

1. A process for the manufacture of an amino compound, which comprises reacting a halogen amine of the formula

hal—X—Y

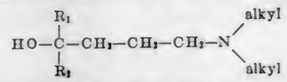
wherein hal stands for a halogen, Y stands for a substituted amino group selected from the class consisting of



and

R representing the atoms necessary to complete a six-membered heterocyclic nitrogenous ring system containing only carbon and nitrogen atoms, and X stands for a saturated non-aromatic hydrocarbon chain of 3 to 5 carbon atoms interconnecting the halogen with the amino group, with a metal selected from the group consisting of magnesium, zinc and potassium, and reacting the resultant organo-metal compound with a member of the group consisting of aldehydes and ketones.

7. An amino carbinol of the formula



wherein R_1 and R_2 each stands for a phenyl group.

2,411,665
THERMOPLASTIC LACQUER AND METHOD OF PREPARING SAME
Jean B. Monier, Galt, Ontario, Canada
No Drawing. Application October 7, 1943, Serial No. 505,385. In Canada April 30, 1943
4 Claims. (Cl. 106—217)

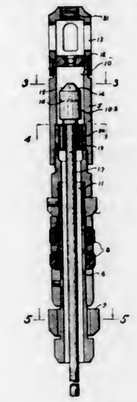
1. A lacquer base comprising an unsaturated cellulosic derivative resulting primarily from treating a cellulosic ether substantially free from hydroxyl content under pressure with hydrogen until at least about 15% hydrogenation results and then condensing the mass with alcohol and an olefin having molecular weight from approximately 84 to approximately 112 and subsequently dehydrogenating the mass by refluxing at a temperature approximately equal to the highest boiling temperature of the alcohol until it becomes unsaturated; and a plasticizer for said derivative selected from among those known in the lacquer industry, which plasticizer has been incorporated to the derivative by mixing therewith at a temperature between 110° and 200° F. and holding under vacuum at a temperature of 140° to 150° F. for 30 to 60 minutes.

2,411,666
MOLDING COMPOSITION AND THE ARTICLE PRODUCED THEREBY
Jean B. Monier, Galt, Ontario, Canada
No Drawing. Application October 7, 1943, Serial No. 505,388. In Canada April 30, 1943
4 Claims. (Cl. 106—217)

1. A molding composition comprising a cellulosic derivative resulting primarily from treating a cellulosic ether substantially free from hydroxyl content under pressure with hydrogen until at least about 15% hydrogenation results and then condensing the mass with alcohol and an olefin having molecular weight from approximately 84 to approximately 112 and subsequently dehydrogenating the mass by refluxing at a temperature approximately equal to the highest boiling temperature of the alcohol until it becomes unsaturated; a plasticizer for said derivative and a filler, said plasticizer and said filler being incorporated to the derivative by mixing the same together at a temperature between 110° and 200° F.

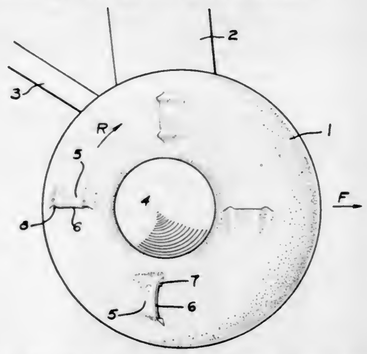
2,411,667
BOTTOM HOLE REGULATOR
Lester D. Mowrey, Wichita Falls, Tex.
Application July 29, 1942, Serial No. 452,781
3 Claims. (Cl. 166—2)

1. A bottom hole regulator adapted for mounting in a string of flow tubing, comprising a tubular body, a cage connected with the upper end of the body and having means for detachable engagement with a supporting device adapted to lower the regulator into the tubing, a ring surrounding the tubular body and projecting outwardly beyond the periphery thereof in position to seat upon a supporting shoulder in the tubing, packing means surrounding the tubular body below said ring for closing the space between



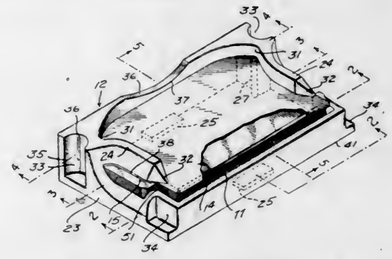
the tubular body and the tubing, a valve seat mounted in the tubular body, a guide member fixed in the tubular body at a point spaced downwardly from the seat, said guide member having circumferentially spaced openings therethrough, a valve stem slidably mounted in the guide member, and a valve mounted on said stem and positioned between the guide member and the seat in position to engage the seat.

2,411,668
AIRPLANE TIRE PREROTATING MEANS
Clarence A. Pavey, Seattle, Wash.
Application September 9, 1942, Serial No. 457,695
12 Claims. (Cl. 244—103)



2. In an airplane landing gear including a landing wheel, the combination of collapsible and extensible means carried by said landing wheel and adapted for the impingement of air thereagainst during the flight of the airplane for rotating said landing wheels in a forwardly-rolling direction when ground-borne, and means supplementary to said first means operable when said first means are collapsed to hold a portion thereof in air-receiving position, for prompt extension when again impinged by the relative wind.

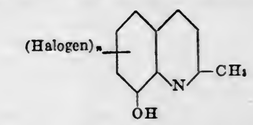
2,411,669
RAZOR BLADE PACKAGE
John G. Roberts, Dobbs Ferry, N. Y.
Application June 11, 1942, Serial No. 446,613
8 Claims. (Cl. 206—16)



1. A container for a stack of double edge safety razor blades having a generally rectangular contour, narrow end extensions and recesses in the shoulder portions adjacent such extensions, said container comprising front and rear side walls to lie adjacent the cutting edges of the blades and a top portion defining a chamber having its transverse dimensions in length and width approximately those of the blade, said top portion being supported at the rear side of the container and extending more than half way toward the front side thereof and being cut away along the forward and mid-sections of the end edges thereof sufficiently to expose the end extensions of the blades to finger engagement, said container having a continuous coplanar blade dispensing opening below said top portion extending the entire length of said front wall and around the adjacent corners and into the forward and mid-sections of the container at the ends thereof to permit edgewise movement of the blades over said front wall under the control of such engagement, and said container having at each end thereof an abutment member in position to engage the blades edgewise within their rearwardly positioned shoulder recesses and thereby to restrain the blades from transverse movements, at least one of said members being cut away transversely at the level provided in said chamber for the topmost blade sufficiently to admit the shoulder portion of that blade behind said abutment member to forward movement without admitting the end extension thereof to rearward movement.

2,411,670
HALOGEN-8-HYDROXY-QUINALDINES
Emil Senn, Riehen, near Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application April 6, 1943, Serial No. 482,066. In Switzerland June 4, 1942
4 Claims. (Cl. 260—289)

1. The halogen substitution products of 8-hydroxy-quinaldine containing the halogen in the carbocyclic nucleus of the general formula



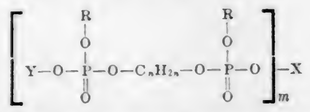
n being 1 and 2, being slightly yellowish crystal powders of excellent antiseptical properties.

2,411,671
MINERAL OIL COMPOSITION RESISTANT TO FOAMING

Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application March 12, 1945, Serial No. 582,402
7 Claims. (Cl. 252—32.5)

1. A mineral oil composition resistant to foaming comprising a major amount of a mineral oil and an amount at least sufficient to reduce the foaming tendency of said oil of a salt of an alkyl alkylene diphosphate having the following formula:

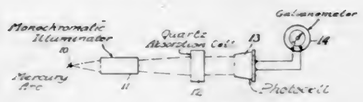


wherein R represents an alkyl group containing 1 to 18 carbon atoms, Y is a substituent of the class consisting of monovalent metals and alkyl groups, X represents a constituent of the class consisting of metals and an organic ammonium group derived from the class consisting of heterocyclic nitrogen bases and dialkylaryl amines, m is a number corresponding to the valence of X, and n is 2 to 6.

2,411,672
ELECTRICAL CONTROL SYSTEM

Johannes A. Van den Akker, Appleton, Wis., assignor to The Institute of Paper Chemistry, a corporation of Wisconsin

Original application September 2, 1941, Serial No. 409,174. Divided and this application October 28, 1943, Serial No. 507,958
9 Claims. (Cl. 250—41.5)

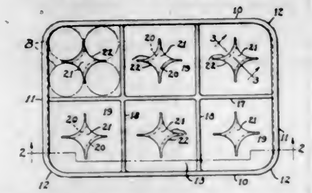


1. Means adapted to control the operation of electrical apparatus in response to small changes in light flux from a light source, comprising a gas filled valve having control and plate elements, an electrical bridge circuit having four legs, one pair of said legs each including an impedance device and the other pair each including a polarized photocell, one of the photocells being adapted to receive light flux from said light source, the legs of each pair being connected together in series circuit relation, said polarized photocells being connected with unlike electrodes connected together, and said pairs of legs being connected in parallel circuit relation, a low voltage source of alternating current connected across the parallel connected pairs of legs, a high voltage source of alternating current which is of the same frequency as, and which is in phase with, said low voltage source connected to said plate element, and means electrically connecting the control element of said gas filled valve across the common connection between said photocells and the common connection between said impedance devices whereby the firing of said valve will occur in response to changes in the wave form of the potential impressed across said common connections.

2,411,673
BEVERAGE BOTTLE CASE

Theodore Vechey, Jr., Canton, Ohio

Application January 27, 1944, Serial No. 519,877
2 Claims. (Cl. 220—21)



2. A one-piece beverage case and divider comprising integral side walls, end walls and a bottom wall with integral longitudinal and transverse partition walls therein dividing the interior of the case into a plurality of compartments, each compartment arranged to house four beverage bottles, and a separator in the center of each compartment formed integrally with the bottom wall, each separator comprising two spaced oppositely curved vertical walls joined at their upper ends only by a top wall having four equal, concave edges the other two sides of said separator being open from said bottom wall to said top wall there being a drainage opening in the bottom wall between the curved, vertical walls of each separator and communicating with the open sides of the separator.

2,411,674
ART OF ELECTRODEPOSITION OF COPPER

Ernest D. Wilson, Worcester, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts

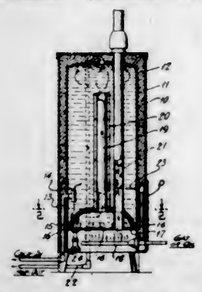
No Drawing. Application March 4, 1943, Serial No. 478,009
32 Claims. (Cl. 204—52)

1. A process of electroplating that comprises electro-depositing copper as a bright, smooth, firmly adherent deposit from an undivided cell containing an aqueous electrolyte consisting essentially of a soluble copper salt and a sufficient quantity of an alkylene polyamine to form a complex with said salt, and a compound selected from the group consisting of lactic, citric and tartaric acids and the alkali metal salts of such acids.

2,411,675
WATER HEATER

Carl Z. Alexander, Springfield, N. J.

Application January 30, 1945, Serial No. 575,312
1 Claim. (Cl. 122—17)



A water heater comprising a tank and casing secured together with the tank positioned interiorly of the casing in spaced relation thereto, insulation means intermediate the tank and casing, a cold water inlet pipe projecting into the tank, a baffle fixed to the end of said pipe interiorly of said tank to preclude turbulence of the water at its point of entry into the tank, a plate closing the bottom of the tank, a chamber of dome-shaped cross section disposed on said plate in said tank, marginal slots at the lower edges of said chamber, a discharge pipe communicating with the top of said chamber and terminating interiorly of said tank adjacent the top thereof, said discharge pipe and chamber being externally insulated, a heating unit disposed in said heater for heating said chamber, a flue pipe extending completely through the water tank from the plate through the top of the water tank and casing and a thermostat projecting into the tank to be actuated responsive to the temperature of the water, said thermostat being connected with said heating unit to regulate the same responsive to the said temperature of the water.

2,411,676
CORROSION INHIBITING COMPOSITION AND METHOD

Lloyd M. Burghart, Darien, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware

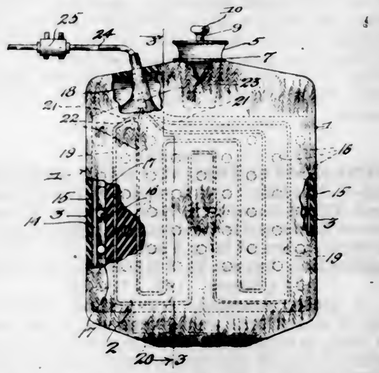
No Drawing. Application July 15, 1944, Serial No. 545,203
9 Claims. (Cl. 252—387)

1. A dry composition capable of imparting corrosion inhibiting characteristics to water and aqueous solutions of alcohols in the cooling systems of internal combustion engines consisting essentially of the following ingredients in the weight percentage proportions of an alkali metal borate about 40% to about 75%, a compound of the group consisting of alkali metal chromates and dichromates about 10% to about 35%, and a compound of the group consisting of alkali metal orthosilicates, alkali metal silico-fluorides and aluminum alkali metal silico-fluorides about 5% to about 10%.

2,411,677
HOT-WATER BAG

Ben Christenson, Pasadena, Calif.

Application March 26, 1945, Serial No. 584,901
3 Claims. (Cl. 219—46)

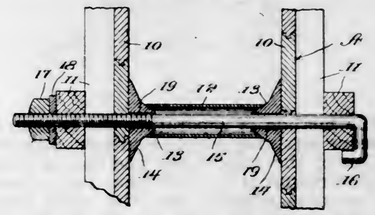


1. A hot water bag having longitudinal edges and sides, a slab-like rectangular core of flexible insulating material having longitudinal edges fitting in the bag between the edges thereof, said edges of the core being connected to said edges of the bag, the sides of the bag being free from connection with said core, a tongue extending from the top edge of said core out of the top of said bag, electrical resistance coils embedded in said core in substantially the plane thereof and having terminal ends extended into said tongue, and an electric cable extending from said tongue and to which said terminals are connected, said core having transverse ports therein for the passage of water through said core, and arranged in rows with the ports in alternate rows staggered relative to the ports in intermediate rows to provide for a maximum number of ports in said core.

2,411,678
CLAMP AND SPACER FOR CONCRETE FORMS

Emanuel Cornella, West Chicago, Ill.

Application April 13, 1945, Serial No. 588,162
2 Claims. (Cl. 25—131)

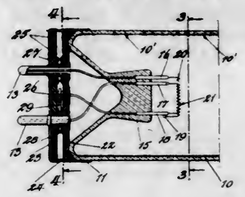


1. A device of the kind described, comprising a substantially tubiform spacer member made from a single sheet of metal and rolled on itself into tube form, abutment washers at the ends of the member and having conical center knobs interfitting the ends of said member, and a work clamp removably passed through the washers and member and clamping these in spacing relation to the work.

2,411,679
FLUORESCENT LAMP

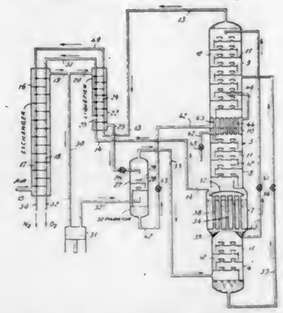
James L. Cox, Ramsey, and Donald G. Trutner, Rutherford, N. J., assignors to Duro-Test Corporation, North Bergen, N. J., a corporation of New York

Application March 31, 1945, Serial No. 585,918
1 Claim. (Cl. 315—65)



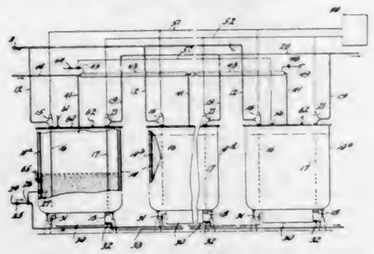
A fluorescent lamp having a sealed envelope with a pair of spaced re-entrant stem tubes, a pair of cathodes supported on each of said stem tubes, a base attached to each end of said envelope, a pair of terminal pins mounted on each base, a connection from one end of each cathode to the associated terminal pins respectively, a movable contact member mounted on each base, and a connection from both of the remaining terminals of each pair of said cathodes to said members, said members being operative from the exterior of said envelope into engagement with either of the associated terminal pins to short circuit either cathode at each end of said tube.

2,411,680
SEPARATION OF THE CONSTITUENTS OF GASEOUS MIXTURES
Wolcott Dennis, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application March 7, 1944, Serial No. 525,385
8 Claims. (Cl. 62—175.5)



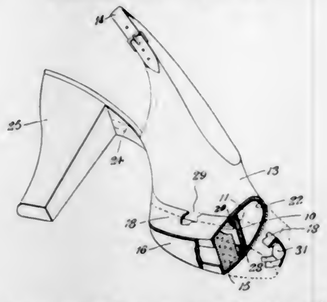
4. The method of separating the constituents of gaseous mixtures which comprises liquefying a portion of the compressed and cooled gaseous mixture, preliminarily scrubbing the remainder of the gaseous mixture with the liquid portion thereof to provide a vapor free from impurities and a liquid in which the impurities are concentrated, subjecting said vapor to liquefaction to provide a liquid substantially free from impurities and separate from the liquid previously formed during the preliminary scrubbing operation, subjecting said second liquid to rectification, bringing the liquid in which the impurities are concentrated into indirect heat exchange with vapors produced during the rectification to thereby liquefy a portion of such vapors, adding the liquid thus produced to the rectification as reflux, and adding vapors produced by resultant vaporization of a part of the liquid in which the impurities are concentrated to the rectification.

2,411,681
PROCESS AND APPARATUS FOR PASTEURIZING MILK
Huldreich Egli, Baltimore, Md.
Application February 19, 1941, Serial No. 379,731
10 Claims. (Cl. 99—211)



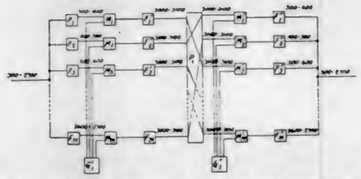
1. The process of minimizing frothing in charging a liquid into containers which consists in providing two containers with the liquid beneath a fluid at a pressure above atmospheric, cross-connecting the fluids to equalize their pressure, and introducing further liquid under pressure into one container as liquid at the same rate is withdrawn from the other container.

2,411,682
PLATFORM SHOE
Sebastiano Gallo, Brooklyn, N. Y.
Application November 3, 1944, Serial No. 561,647
5 Claims. (Cl. 36—19.5)



1. A shoe including an insole, a sock lining covering the insole and attached thereto, an upper extending around the edges of the insole and having its bottom portion secured to the insole, a platform sole beneath the insole, and a wrapper for the sides of the platform, said wrapper being attached to the shoe above the platform by stitching that passes through only the upper and said wrapper.

2,411,683
METHOD AND ARRANGEMENT FOR SCRAMBLING SPEECH SIGNALS
Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application June 15, 1944, Serial No. 540,517
In Switzerland June 23, 1943
23 Claims. (Cl. 179—1.5)

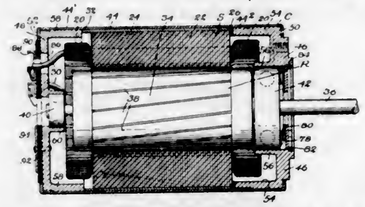


1. A method of scrambling signals which comprises dividing a signal frequency band into a plurality of sub-bands each having a band width less than the mean fundamental frequency of the signal to be scrambled, and subjecting said sub-bands to a continuously changing scrambling process.

2,411,684
DYNAMOELECTRIC MACHINE ASSEMBLY
Hugh G. Hamilton and Leonard C. Pratt, Baldwin, and Alfred Skrobisch, New York, N. Y., assignors to Eastern Air Devices, Inc., Brooklyn, N. Y., a corporation of New York
Application August 31, 1943, Serial No. 500,636
11 Claims. (Cl. 171—252)

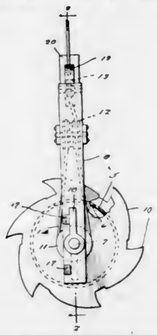
1. A motor assembly comprising a front end cover, a stator unit and a rear end cover, assembled and arranged in abutting relation, central bearing holes in the end covers and the bore of the stator unit being in alignment, a tubular casing shell the end portions of which fit over the outside walls of the end covers arranged and extending over the assembled end covers and the stator unit, the ends of the tubular casing shell being secured to the end covers to complete the assembly of and to secure together the casing

stator unit and end covers, and a rotor unit inserted into the said assembly, the said rotor unit



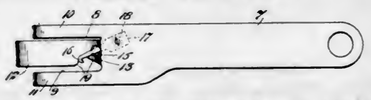
having end bearings mating with the bearing holes of the said end covers.

2,411,685
DREDGING DEVICE
Carl W. Holland, Seattle, Wash.
Application December 4, 1944, Serial No. 566,586
5 Claims. (Cl. 37—189)



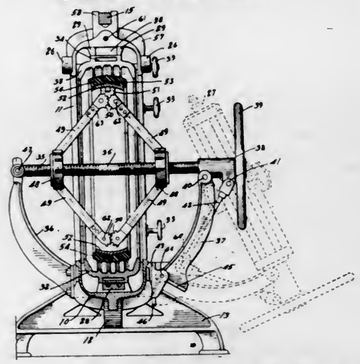
1. A dredging device comprising a cylindrical receiver having a horizontal axial shaft provided with projecting ends, a frame in which the ends of said shaft are journaled, said receiver further having an opening in its periphery, discs provided with pulleys and rotatable on but having frictional engagement with the shaft, buckets carried by said discs and revoluble about and substantially in contact with the periphery of the receiver, means to suspend the device and revolve the buckets in either direction including a single cable passing around said pulleys, and stop means limiting rotary movement of the receiver to positions wherein the opening is uppermost and lowermost, respectively.

2,411,686
NEEDLE THREADER
Max Ingwer, New York, and Werner W. Schwartz, Jackson Heights, N. Y., assignors to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y., a corporation of New York
Application August 14, 1945, Serial No. 610,702
7 Claims. (Cl. 223—99)



1. A needle threader comprising a blade split longitudinally in one end into upper, lower and intermediate prongs, the intermediate prong being offset laterally from the other prongs and forming therewith a needle receiving channel and the offsetting portion of said intermediate prong having a hole therethrough opening into said channel and a thread catching hook extending from the side of the blade, through said hole into said channel and of a size to pass through the eye of a needle to be threaded.

2,411,687
TIRE RETREADING DEVICE
Harold V. James, Denver, Colo.
Original application July 24, 1944, Serial No. 546,266. Divided and this application July 9, 1945, Serial No. 603,817
6 Claims. (Cl. 18—18)

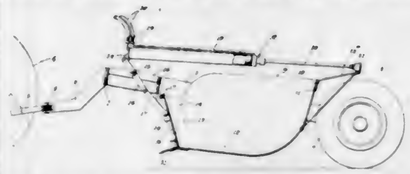


5. In a tire treading device of the type having an annular, vertically positioned matrix mold for a tire tread and a mechanical expanding device positioned within said mold, means for supporting said expanding device so that it can be swung from said mold comprising: a jack screw normally extending axially through said mold and supporting said expanding device; a first bracket fixed to and extending to an axial position at one side of said mold; a bearing in said bracket for removably receiving one extremity of said jack screw; a second bracket; means for hingedly mounting said second bracket so that it may be swung to an axial position at the other side of said mold; a second bearing in said second bracket permanently and rotatably supporting said jack screw so that when said second bracket is swung from its axial position said jack screw and said expanding device will be swung from said mold, said second bearing being hingedly mounted on said second bracket; a connecting rod extending from said second bearing eccentrically of the hinge point of the latter; and means for pivotally mounting the extremity of said connecting rod on an axis adjacent to but eccentric of the hinge point of said second bracket so to initially retard the upswing of the free extremity of said jack screw.

2,411,688
SCRAPER
Simeon Keim, Galt, and Samuel Bippus, Acampo, Calif.
Application October 2, 1944, Serial No. 556,733
3 Claims. (Cl. 37—129)

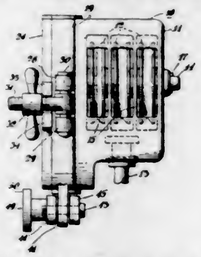
1. A scraper comprising a rigid frame supported above the ground for movement therealong, a bowl pivotally suspended from the frame for forward tilting movement between lowered carrying position and raised dumping position, the bowl being open at the front, a front endgate pivotally suspended from the frame for forward and upward swinging movement from a

lowered position closing the front end of the bowl to a raised position clear of the bowl, means to positively limit said upward swinging movement of the front end-gate, a double acting power cylinder disposed above the bowl and end-gate lengthwise of the scraper, means operatively connecting the power cylinder at its rear end to the bowl rearwardly of the axis of the latter, a lever pivoted intermediate its ends on the frame ahead



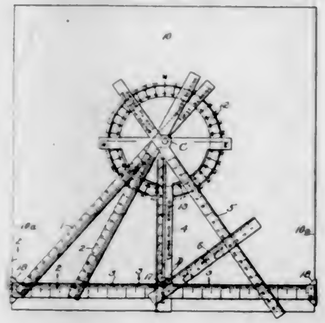
of the end-gate, said lever being swingable lengthwise of the scraper, means operatively connecting the power cylinder at its forward end to the upper end of said lever, and a link pivotally connected between the lower end of the lever and said end-gate below the axis of the latter; the bowl having greater resistance to upward and forward tilting than the resistance of the end-gate to forward and upward swinging movement.

2,411,689
TACKLE BLOCK
Reno C. King, New York, N. Y.
Application September 26, 1944, Serial No. 555,805
5 Claims. (Cl. 254—188)



4. A tackle block having a thickened portion of its frame forming a snubbing section for the tackle fall, said section having a planar surface portion extending transversely of the sheave axis of the block, said planar surface portion being recessed from top to bottom to provide a substantially U-shaped open top channel in which the tackle fall is adapted to run, said channel having a cross-sectional area transversely of its longitudinal axis such that said fall will be substantially snugly engaged by the channel walls and be snubbed thereby; a cover member hingedly mounted on said snubbing section for movement into and out of a closed position in which said channel is capped thereby; locking means carried by said thickened section for securing said cover member in its closed position; lugs extending from said snubbing section at opposite sides of the exit opening of said channel; a pair of braking members for applying a braking effort to said fall, each member of said pair being in opposed relation to the other with said lugs interposed therebetween; means carried by said lugs slidably supporting said clamping members for movement toward and away from each other; and, screw means interconnecting said braking members for effecting said movement and thereby braking said fall.

2,411,690
NAVIGATION INSTRUMENT
Angus MacKay, Dover, Mass.
Application June 24, 1944, Serial No. 541,914
5 Claims. (Cl. 33—98)

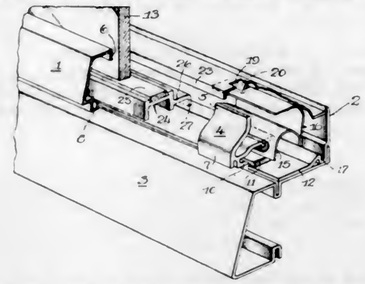


1. An instrument of the character described comprising a base panel bearing a fixed circular series of compass graduations; two straight elongate scale members extending diametrically across said circular series of compass graduations and pivotally mounted intermediate their ends upon said panel for angular adjustment on an axis at the center of said circular series of compass graduations and each bearing a longitudinal series of mileage graduations disposed so as to be read as starting at said axis; a third transversely disposed straight scale member bearing a longitudinal series of mileage graduations; a fixed scale of mileage graduations on said panel extending radially away from said axis perpendicularly toward said transversely disposed scale member and disposed so as to be read as starting at said axis, the mileage graduations of said third transversely disposed scale member being disposed so as to be read in either direction from the point of intersection of said third member with said fixed radial scale, and means slidably connecting said third transversely disposed scale member to said base panel so that it is manually adjustable bodily on said panel toward and from said axis while held against endwise and pivotal displacement and with its intermediate portion intersecting said two first-mentioned scale members and also said fixed radial scale; a fourth straight elongate scale member extending diametrically across said circular series of compass graduations and pivotally mounted intermediate its ends upon said panel for angular adjustment on said axis, said fourth member bearing a longitudinal series of mileage graduations disposed so as to be read as starting at said axis, and a fifth current-direction indicating scale member co-operatively associated with said fourth scale member, said fifth member being pivotally connected with said third transversely disposed scale member at the point of intersection of the latter with said radial scale and bearing a longitudinal series of mileage graduations disposed so as to be read as starting at said point of intersection.

2,411,691
GLASS HOLDING DEVICE
James T. Miller, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application June 22, 1944, Serial No. 541,594
4 Claims. (Cl. 20—56.4)

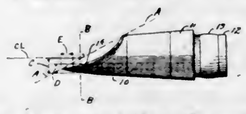
1. A glass holding device for a window, store front and the like, comprising an outer and an

inner sash member with the outer member adjustable with respect to the inner member, lugs secured within the outer member in spaced relation and similarly spaced spring clips mounted in the inner member, a substantially horizontal and rearwardly projecting leg provided on each lug and a resilient projection on each spring clip normally inclined downwardly and toward the leg and provided with an elongated slot for re-



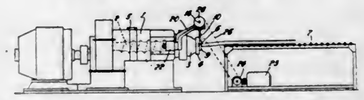
ceiving an end of the leg, the leg being so disposed with respect to the slot that when pressure is applied to the outer sash member to force it inwardly into contact with the glass, the end of the leg bends the resilient projection sufficiently to permit the end of the leg to enter the slot, but when pressure is released the resilient projection tends to return to its normal position and tightly grips the leg and retains the outer sash member in assembled relation.

2,411,692
INSTRUMENT MOUTHPIECE
Joseph S. Murano, Youngstown, Ohio
Application November 27, 1943, Serial No. 512,014
3 Claims. (Cl. 84—383)



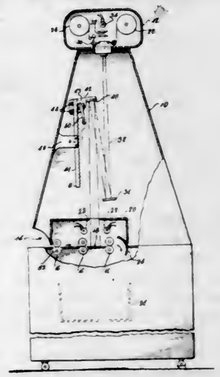
1. A mouthpiece consisting of a round tapering portion, a bushed extension of smaller diameter on one end thereof, a lay area formed on one side of the body and the other or mouth engaging end formed with a dished-out surface concave in side elevation and convex in transverse cross section terminating in a flat thin flatly tapering area upon which the musician's teeth will normally be engaged.

2,411,693
PRODUCTION OF RAW TIRE STOCK
William George Mackesy Peare, Cork, Eire, and George Henry Bernard Yoxon, Erdington, Birmingham, England, assignors to Dunlop Rubber Company Limited, county of London, England, a British company
Application June 20, 1944, Serial No. 541,210
In Great Britain April 28, 1943
3 Claims. (Cl. 18—47.5)



1. A method of producing raw tire stock from compounded rubber material which comprises extruding said material through a die in the form of a strip and then scoring one surface of the strip transversely thereof at intervals closely spaced longitudinally of the strip by successively cutting through a portion only of the thickness of the strip immediately upon the emergence of the strip from the extrusion die.

2,411,694
CONTINUOUS CAMERA OR PRINTER
Robert Place, Waltham, Mass., assignor to Graphic Microfilm Service, Inc., Waltham, Mass., a corporation of Massachusetts
Application July 17, 1942, Serial No. 451,329
2 Claims. (Cl. 88—24)

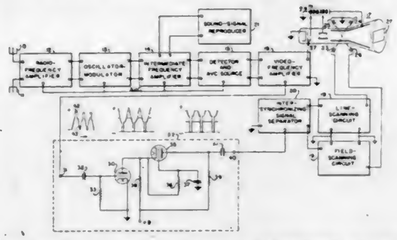


1. In a device of the character described, a casing having a camera mounted at one end thereof, said camera including; a lens, a film gate, and means for advancing the film through said gate; the optical axis of said lens extending downward vertically toward the other end of said casing, a housing within said casing positioned at the other end thereof and including document advancing means, a source of illumination for throwing an illuminated area on said advancing means to be successively traversed by documents advanced therethrough, a slot formed in said housing in alignment with said illuminated area, the axis of said illuminated area framed by said slot extending vertically within said casing toward said first mentioned end and spaced apart from the axis of said lens, inclined mirror means cutting the axis of said lens and supported near said housing, a support in said casing adjacent to the axis of said illuminated area, and a second inclined mirror means movably carried on said support and cutting the axis of said illuminated area, at least one of said mirror means being supported for slight pivotal movement to maintain complementary action of said mirror means with one another and with both said axes as said movable mirror means is moved to various relative positions on said support, whereby a continuous light path is formed between said illuminated area and said lens for all adjustments of said mirror means.

2,411,695
CLIPPING SYSTEM
John A. Rado, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 14, 1943, Serial No. 487,007
6 Claims. (Cl. 250—27)

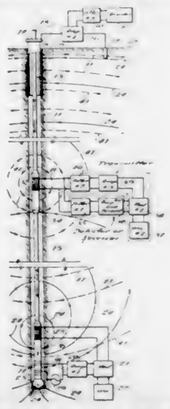
1. A system for asymmetrically clipping an applied signal having recurrent peaks comprising,

a first vacuum tube having input electrodes and output electrodes including an anode, means for applying said signal to said input electrodes with such polarity that said peaks are effective to increase the conductance of said tube, an anode load impedance coupled to said anode, means for causing said peaks of said applied signal to be stabilized in the input circuit of said first vacuum tube, the amplitude of said applied signal being so related to the operating characteristics of said first tube that anode current clipping is effected therein, a second vacuum tube having input and output electrodes, means effectively com-



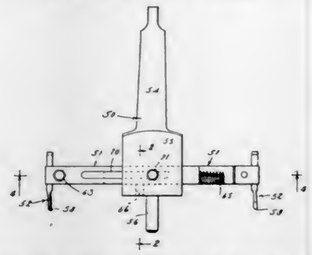
prising only passive coupling elements coupling said load impedance to said input electrodes of said second tube for applying thereto a signal translated by said first tube with such polarity that said peaks are effective to increase the conductance of said second tube, means for causing said peaks to be stabilized in said input circuit of said second tube, the amplitude of the signal applied to said second tube being so related to its characteristic that anode current clipping is effected in said second tube, and means coupled to said output electrodes of said second tube for deriving a clipped output signal.

2,411,696
WELL SIGNALING SYSTEM
Daniel Silverman and Thomas Gilmartin, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application April 26, 1944, Serial No. 532,756
15 Claims. (Cl. 177—352)



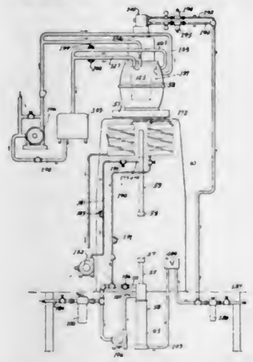
1. A well signaling system including an uninsulated conductor extending into said well, a first core of magnetic material surrounding said conductor near the lower end thereof, a first coil of insulated wire coupling said core, a second core of magnetic material surrounding said conductor, located a substantial distance from the surface, and spaced a substantial distance from said first core, a second coil of insulated wire wound around said second core, and two separate means, one for producing pulsating electromotive signals, and the other for detecting substantially only said pulsating electric signals, one of said two separate means being connected to said first coil and the other of said two means being connected to said second coil.

2,411,697
HOLE CUTTING TOOL
Lawson A. Smith, Los Angeles, Calif., assignor to Robert H. Clark, Los Angeles, Calif.
Application August 11, 1943, Serial No. 498,216
4 Claims. (Cl. 77—69)



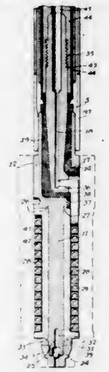
1. A tool of the character described including a central elongate body, the body having a single transverse opening and an offset passage in it from its lower end communicating with the opening, overlapping arms shiftable in the opening and adapted to project laterally from opposite sides of the body, a central pilot projecting from the lower end of the body, cutting parts on the projecting portions of the arms, and a single means for simultaneously shifting the two arms equal distances and in opposite directions to vary the distance between the cutting parts and the central longitudinal axis of the body including a key separable from the body and insertable through the passage to engage the arms.

2,411,698
INDUCTION HEAT-TREATING APPARATUS
Howard E. Somes, Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 10, 1941, Serial No. 392,867
10 Claims. (Cl. 266—4)



9. In an induction heat-treating apparatus, an inductor having a cooling fluid passage associated therewith, a quenching head, said inductor and quenching head being relatively movable into and out of a position of adjacent relationship, means for effecting said relative movement, means for supplying electrical energy to said inductor to energize the same, means for supplying cooling fluid to said passage, control mechanism associated with said passage and quenching head and responsive to movement of said inductor and quenching head to said position of adjacent relationship to permit predetermined flow of cooling fluid through said passage, and means responsive to said flow of cooling fluid and associated with said energy supplying means to preclude energization of said inductor in the absence of said predetermined flow of cooling fluid.

2,411,699
BLANK FOR INDUCTION HEATING HEADS
Howard E. Somes, Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 30, 1943, Serial No. 516,181
4 Claims. (Cl. 29—190)

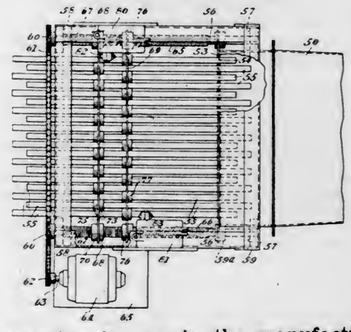


1. A blank for use in making induction heating heads of variable size comprising a mandrel-forming member having a diameter sufficient for the largest diametered head to be made therefrom, said member having a bore extending axially inwardly from one end thereof and an aperture through the wall of said bore, an arbor-forming member having one end disposed within said bore in spaced relation with respect thereto and a terminal-forming portion aligned with said aperture, and a unitary body of electrical insulation material insulating said end of said arbor-forming member from the walls of said bore, said insulating material extending about said terminal-forming portion and having an integral portion extending laterally in contact with the wall of said aperture.

2,411,700
MANUFACTURE OF HYDROXY ACIDS
Karl Heinrich Walter Tuerck, Banstead, and Hans Joachim Lichtenstein, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application November 20, 1943, Serial No. 511,120. In Great Britain April 28, 1942
12 Claims. (Cl. 260—530)

6. The process which comprises oxidising acetaldol, by the action of molecular oxygen at a pressure greater than one fifth of an atmosphere and at a temperature between 55° and 80° C. and in the presence of an oxygen carrier catalyst whilst maintaining intimate contact between said molecular oxygen and said acetaldol solution, stopping the oxidation while some unchanged acetaldol still remains in said solution to produce a reaction mixture containing β-hydroxybutyric acid and acetaldol, said oxidation catalyst being selected from the group consisting of compounds of vanadium, cobalt, copper, and manganese, steam distilling said reaction mixture to decompose unchanged acetaldol to crotonaldehyde which is thereupon removed from the reaction mixture and continuing to distill the residue with steam to recover β-monohydroxybutyric acid therefrom.

2,411,701
APPARATUS FOR MANUFACTURING TEMPERED GLASS
Theodor G. Weihs, now by judicial change of name Theodore G. White, Pittsburgh, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 7, 1940, Serial No. 351,757. Divided and this application September 17, 1941, Serial No. 411,137
10 Claims. (Cl. 49—45)

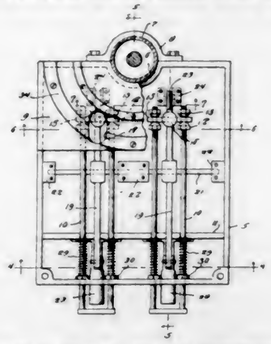


1. Apparatus for use in the manufacture of tempered glass comprising a plurality of open ended tubes, supporting means for supporting the tubes with one end of each adjacent the glass sheet to be tempered, means including a header communicating with one end of each of said tubes for forcing a cooling fluid through said tubes and against one face of the glass sheet, and actuating means including automatically reversible means connected with said tubes for alternately moving the tubes toward and away from the glass sheet repeatedly during the tempering operation, whereby the intensity with which the cooling fluid from each of said tubes impinges upon the glass sheet is automatically increased and decreased.

2,411,702
VEHICLE SIGNAL SWITCH
Harry E. Wilbert, Sr., Harrisburg, Pa.
Application December 27, 1944, Serial No. 569,935
2 Claims. (Cl. 200—59)

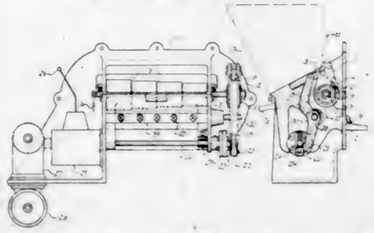
1. A vehicle signal comprising a knife switch adapted for making and breaking the circuit with a signal element, said switch being frictionally maintained in circuit closing position, a plunger for moving the switch into closed position, a second plunger adapted for manual operation, a switch releasing member pivoted to the switch and operatively connected to the

second plunger, a cam adapted for attaching to a vehicle steering wheel and having a sloping edge, said releasing member being disposed under the cam, said first plunger being disposed in the path of movement of the second plunger to move the releasing member from under the cam into frictional engagement with the sloping



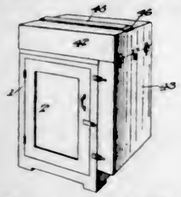
edge thereof upon an initial movement of the second plunger, said cam being adapted to travel beyond the releasing member upon a predetermined turning movement of the steering wheel, and spring means carried by said second plunger to move the releasing member into the path of the cam upon a movement of the steering wheel in an opposite direction to open the switch.

2,411,703
STOKER FEED MECHANISM
Charles R. Barr, Bellevue, Pa.
Original application September 17, 1940, Serial No. 357,127. Divided and this application September 23, 1944, Serial No. 555,452
5 Claims. (Cl. 110—108)



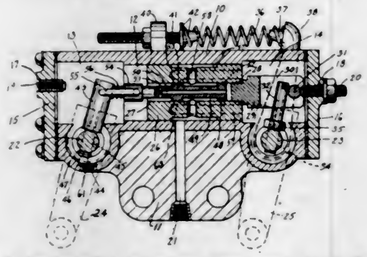
1. In a stoker feed mechanism, fuel feeding means comprising a feed wheel having groups of blades in angular and axially spaced relation staggered so that when rotated only one blade of the entire feed wheel is operative to deliver an increment of fuel to a predetermined space of the feeding station, whereby successive charges are delivered from one end entirely across to the other end of said wheel, a drive mechanism for said feeding wheel including a shaft, a plurality of friction members mounted on said shaft, a drive wheel in frictional engagement therewith, said wheel having teeth for engagement by a pawl, a bracket mounted for angular movement on said drive having a pawl for engaging the teeth of the drive wheel and having a lever, one end of which is connected to a crank pin, a driving crank for said crank pin having adjusting means for varying the thrust of said crank pin, and a prime mover for rotating said crank head whereby said feed wheel is subjected to intermittent angular movement.

2,411,704
PHOTOGRAPHIC CAMERA
Roland P. Beattie, Kenneth W. Beattie, Kenneth B. Beattie, and Roland P. Beattie, II, Summit, N. J.
Application March 12, 1943, Serial No. 478,858
1 Claim. (Cl. 88—24)



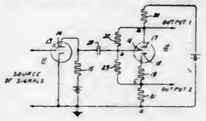
A photographic camera of the character described comprising, a housing, an inner telescopic unit fitted in the top of said housing and projecting therefrom, means for adjusting said unit inwardly and outwardly through the top of the housing, said inner unit containing the photographic elements of the camera proper, and means associated with the housing for enclosing and protecting the projecting part of said inner unit, said last named means including a recessed door hinged vertically to the housing, and a recessed element hinged horizontally to the housing, said door being adapted to constitute a storage compartment and to close over exposed parts of the means for adjusting the inner unit, and said element being adapted, in its closed position, to cover both the top of said housing and the top of said door and, in its open position, to constitute a recessed work table.

2,411,705
BOOSTER CONTROL
Walter E. Benjamin, Anderson, Ind., assignor to Pierce Governor Company, Anderson, Ind.
Application October 24, 1942, Serial No. 463,189
3 Claims. (Cl. 121—41)



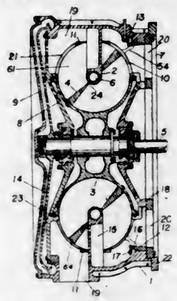
1. A hydraulic booster structure including in combination a cylinder, a power piston therein and movable between the ends thereof and having a combined intake and exhaust therein terminating at the pressure end of the piston, a valve means controlling the combined intake and exhaust and slidably supported in said piston, a fluid pressure supply to the cylinder intermediate the ends thereof and arranged to supply pressure to that end confronting the piston pressure face and controlled by said valve means, a discharge from the other end of the cylinder, a discharge from the piston to the cylinder said other end, said valve means connecting said piston discharge to the combined intake and exhaust and disconnecting same, actuating means for the valve means, and power applying means operatively connected to the power piston and operable in accordance with valve means movement, the sole power for moving said power piston toward the valve actuating means being the pressure fluid from said supply, the actuating means including a pivoted lever, linkage between the valve means and lever and yielding means constraining said linkage and valve means toward pressure supplying position relative to the first mentioned cylinder end.

2,411,706
PHASE INVERTER CIRCUIT
Seymour Berkoff, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application June 3, 1942, Serial No. 445,667
10 Claims. (Cl. 179—171)



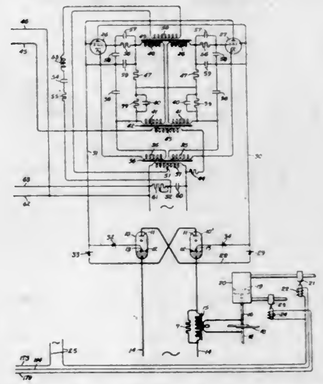
1. In a system for isolating a single-ended source of signals which vary with respect to a point of fixed potential from the output of a single tube phase inverter comprising an electron discharge device having an anode, a cathode, and a control electrode, means for impressing signals from said source between said control electrode and said cathode, first and second output terminals connected to said anode and said cathode respectively, a series circuit connected between said terminals, said series circuit comprising a pair of resistances, means connecting said electrode to a point between said resistances in said series circuit, said last-named point being variable in potential with respect to said point of fixed potential, and resistance means connected between each of said output terminals and said point of fixed potential.

2,411,707
COMPRESSOR
Arnold E. Biermann, Hampton, Va.
Application December 24, 1941, Serial No. 424,335
19 Claims. (Cl. 230—150)



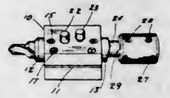
1. In a device of the class described, the combination of a housing having a torus-like recess, a rotor mounted for rotation in said housing in close association with respect to said recess to form a toroidal chamber, a fixed abutment supported by said housing and extending into said toroidal chamber, spiral vanes supported by said rotor to move in close association with respect to said torus-like recess and said fixed abutment, rotatable abutments adapted to move in close association with respect to said toroidal chamber, said spiral vanes and said fixed abutment to form compartments adapted to vary in volume as the rotor is rotated, intake and discharge ports for communication with said toroidal chamber.

2,411,708
ELECTRIC CONTROL CIRCUIT
Maurice E. Bivens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 8, 1944, Serial No. 530,136
19 Claims. (Cl. 171—97)



1. In combination, a pair of electric discharge devices each including an anode, a cathode and a control member, a pair of electromagnetic circuit controlling devices each including an operating coil, a supply of direct current voltage, said operating coils and said discharge devices being connected to provide two circuits energized in parallel from said direct current supply with each circuit including one of said operating coils and the anode-cathode circuit of one of said discharge devices in series, timing means connected with the control members of said discharge devices for modifying the voltage thereof to effect transfer of current from one of said discharge devices to the other at intervals and thereby effect alternate energization of said operating coils, said timing means including capacitance and resistance, and means responsive to the alternate operation of said circuit controlling devices for changing the effective magnitude of the resistance of said timing means to establish the duration of said intervals at different values in accordance with a predetermined time pattern.

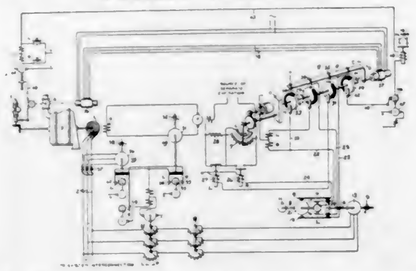
2,411,709
TOOL DRESSING FIXTURE
Ernest A. Brown, Elyria, Ohio
Application August 19, 1944, Serial No. 550,151
4 Claims. (Cl. 51—219)



4. A grinding fixture for helical fluted tools, comprising a block having a hole therein for the reception of the tool, bushings in the opposed ends of said hole, a cam on the end wall of one of said bushings to guide the tool inwardly and outwardly in a helical path, a collar adapted for engagement with said cam and for demountable

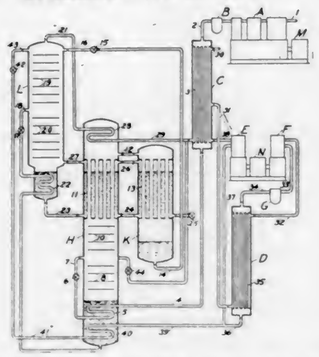
securement on the tool, a sleeve mounted for rotative movement in said hole, means to delimit the rotation thereof, and means in said sleeve to effect the helical movement of said tool after the rotative movement of the sleeve has been arrested.

2,411,710
REGULATOR SYSTEM
Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 12, 1943, Serial No. 505,955
8 Claims. (Cl. 290—7)



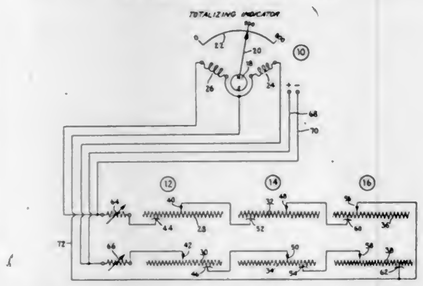
5. In a synchronous-to-synchronous electric power system, a synchronous generator, a prime mover for said generator, a speed governor for said prime mover, means for adjusting the speed setting of said governor for varying the kilowatt loading of said generator, an automatic voltage regulator for said generator for controlling the field current of said generator so as to maintain a predetermined normal generator voltage, means for incapacitating the field current lowering action of said regulator when the field current is below predetermined maximum safe stability values which are proportional to the kilowatt load on said generator, and means responsive to a predetermined overvoltage condition of said generator for actuating said speed setting adjusting means so as to reduce the kilowatt loading of said generator.

2,411,711
METHOD AND APPARATUS FOR SEPARATING AND LIQUEFYING GASES
William Lane De Baufre, Lincoln, Nebr.
Application September 22, 1941, Serial No. 411,874
17 Claims. (Cl. 62—175.5)



11. Apparatus for separating mixed gases by rectification into a vapor product and a liquid product including an interchanger for cooling the mixed gases by heat interchange with said vapor product, means for withdrawing from the interchanger a portion of said vapor product, a compressor for compressing the portion withdrawn, an expansion engine for expanding a part of the compressed portion, and means for returning the expanded portion to said interchanger where the expanded portion commingles with said vapor product of rectification and augments the cooling of the mixed gases.

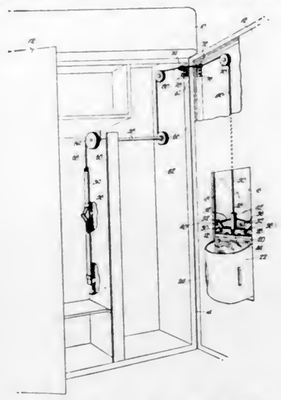
2,411,712
ELECTRICAL TOTALIZING SYSTEM
Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application June 12, 1942, Serial No. 446,765
6 Claims. (Cl. 73—313)



1. A system of the class described comprising in combination, a group of serially connected variable resistances, a second group of serially connected variable resistances, an indicating instrument having a plurality of deflecting coils, one of said coils being connected across the first mentioned group of resistances and another of said coils being connected across the second mentioned group of resistances, a transmitting instrument including a variable resistance of the first mentioned group and a similar variable resistance of the second mentioned group, said transmitting instrument having means operable in accordance with the value of a variable for simultaneously increasing the resistance of one said last mentioned resistances and decreasing the resistance of the other of said last mentioned resistances by the same amount, and a second transmitting instrument including another variable resistance of the first mentioned group and still another similar variable resistance of the second mentioned group, said last mentioned transmitting instrument having means operable in accordance with the value of another variable for simultaneously increasing the resistance of one of said last mentioned resistances and decreasing the resistance of the other of said last mentioned resistances by the same amount.

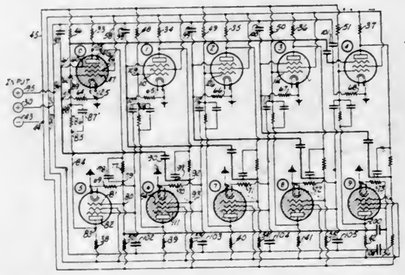
2,411,713
VENDING MACHINE DOOR
Noel M. Denison, Kansas City, Mo., assignor to C. Earl Hovey, trustee, Kansas City, Mo.
Application October 25, 1943, Serial No. 507,535
2 Claims. (Cl. 312—192)

2. A vending machine cabinet having a loading door hinged to the cabinet and provided with a delivery door opening, a delivery door normally closing said opening; a locking member on the delivery door engageable with the loading door for normally preventing opening of said delivery door; a flexible member having one end connected to the locking member and its other end extending to a point within the cabinet for releasing said member upon application of a pull upon the end of the member in the cabinet; and a pair of guide members for the flexible member



mounted respectively on the loading door and the cabinet contiguous to the axis of the hinges of the loading door in order to prevent substantial movement of the delivery door relative to its opening when the loading door is opened or closed.

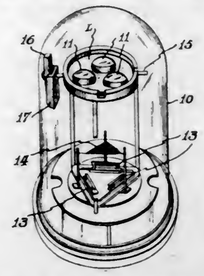
2,411,714
ELECTRONIC ACCUMULATOR
Louis A. de Rosa, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application September 26, 1941, Serial No. 412,519
15 Claims. (Cl. 250—27)



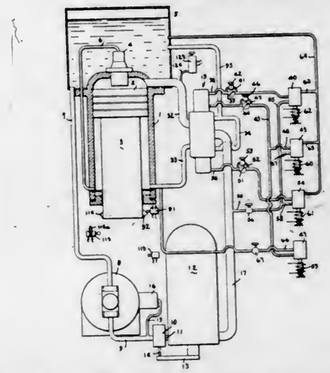
1. In combination, a plurality of electron tubes each having a control grid; means coupling the tubes in a plurality of trigger pairs; and means coupling the different trigger pairs together so that they will be operated in sequence in response to each electric potential impulse commonly impressed on the control grids of all the tubes, one trigger pair responding to each impulse.

2,411,715
APPARATUS FOR THE PRODUCTION OF REFLECTION REDUCING COATINGS
Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application December 14, 1942, Serial No. 468,915
3 Claims. (Cl. 91—12.2)

1. In a vacuum evaporating device for producing thin films on the surface of an object, in combination, a holder for said object, three elongated evaporating elements equidistant from and in opposed relation to said holder and arranged symmetrically along the sides of an equilateral triangle, a foraminous screen in the form of an equilateral triangle placed between the evaporating elements and said holder for procuring uniform thickness of the evaporated material over the whole surface of said object, said evaporating elements being at an angle to the sides of said screen, the position and size of said screen being so selected that said evaporating elements are just covered by said screen when viewed from the center of said holder on the common axis of said holder, screen and evaporator assembly.

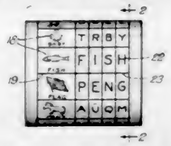


2,411,716
HYDRAULIC PRESS SYSTEM
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application December 5, 1941, Serial No. 421,732
9 Claims. (Cl. 60—52)



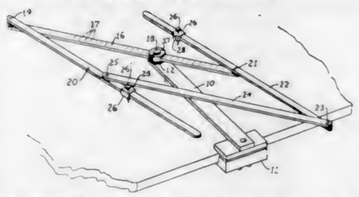
7. In a hydraulic system, a reciprocable plunger, fluid operable advancing and retracting means associated with said plunger, a fluid source for supplying pressure fluid to said advancing or to said retracting means, valve means for controlling the supply of fluid from said source to said advancing and retracting means and also controlling the release of fluid therefrom, means independent of said valve means and responsive to a predetermined advancing movement of said plunger away from its fully retracted position for bypassing said valve means whereby hydraulically to interconnect said fluid source with said retracting means for returning said plunger to its fully retracted position, and means responsive to the initiation of the forward stroke of said plunger for interrupting said bypass connection.

2,411,717
EDUCATIONAL DEVICE
Joseph W. Fay and Rudolph Fay, Villa Park, Ill.; said Rudolph Fay assignor to Joseph W. Fay
Application November 12, 1943, Serial No. 509,986
4 Claims. (Cl. 35—77)



1. A device of the class described formed from two members of tubular cardboard stock comprising a first member providing a tubular support, a second member having an internal diameter substantially equal to the external diameter of the first member and adapted to be received by said first member with a frictional fit, said second member being divided into a plurality of bands, discs closing the open ends of said first member, and abutting and secured to the two end bands thereon, said bands intermediate the two end bands being rotatable about the first member, one of said intermediate bands carrying a plurality of pictorial representations of dissimilar objects, and the others of said intermediate bands carrying selected letters of the alphabet.

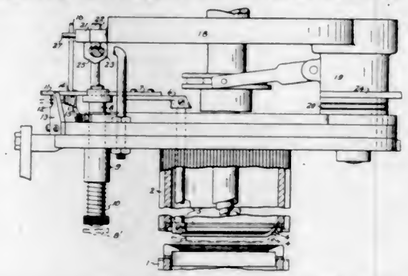
2,411,718
PANTOGRAPH
Stanislaw Feld, New York, N. Y.
Application May 8, 1944, Serial No. 534,577
1 Claim. (Cl. 33—25)



A pantograph comprising a main bar, a pivotal support for the main bar with respect to which the main bar is slidable transversely of said pivot, a stylus bar pivotally associated with one end of said main bar, a scriber bar pivotally associated with the other end of said main bar, a controller bar pivotally connected to the scriber bar and the stylus bar so as to maintain parallel relationship with the main bar, a stylus carrier slidably mounted upon the free end of the stylus bar, a scriber carrier slidably mounted on the free end of the scriber bar, means to hold said scriber carrier and stylus carrier in adjusted position, and mating means carried respectively by the main bar support and the stylus and scriber carriers for holding the stylus carrier and scriber carrier in fixed relation relative to the main bar support during shifting of said main bar transversely of the pivot of said support.

2,411,719
WRAP MECHANISM
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 9, 1946, Serial No. 660,790
6 Claims. (Cl. 66—135)

1. For a circular, independent needle, knitting machine having a wrap spindle and wrap horn, the combination of a support for said spindle adapted to be swung between a position in which the spindle is eccentric to the needle circle and a position in which said spindle is substantially concentric with the needle circle and means operated by said support for moving said wrap horn



into inoperative position when said support is swung to move said spindle into its concentric position and for causing said wrap horn to be moved into operating position when said support is swung to move said spindle into its eccentric position.

2,411,720
INSECT REPELLENT
Samuel I. Gertler, Washington, D. C., assignor to the United States of America, as represented by the Secretary of Agriculture
No Drawing. Application October 9, 1944, Serial No. 557,919
5 Claims. (Cl. 167—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insect repellent comprising about 60 parts of pyrethrum marc and about 2 parts of N,N-diethylpiperonylamide.

2,411,721
DEVICE FOR CARRYING CHILDREN
William Arthur Hancock and Brenda Anderson Hancock, Maroubra, near Sydney, New South Wales, Australia
Application November 20, 1944, Serial No. 564,370
In Australia October 29, 1943
8 Claims. (Cl. 224—6)

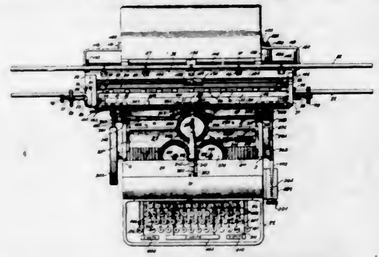


2. An improved device for carrying a child, comprising a seat base, sling means consisting of a flap connected to each end of said seat base and a sling of flexible material connected to each flap and adapted to extend diagonally across the body of a wearer from over one shoulder to the opposite side of the body, and a back supporting member connected at each end to one of said flaps and spaced from said seat base, one of said flaps being twisted through a half turn between said seat base and back supporting member to provide a direct supporting line from the outermost edge of the sling contacting the shoulder of the wearer to the remote edge of the seat base.

2,411,722
SULFUR-DIOXIDE MODIFIED TETRAFLUOROETHYLENE POLYMER
Jesse Harmon and Robert M. Joyce, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 21, 1945, Serial No. 617,930
4 Claims. (Cl. 260—80)

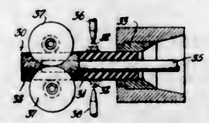
1. A macromolecular polymer having the empirical formula $(C_2F_4)_x.(SO_2)_y$, wherein x and y are integers, the ratio of x to y being within the range of from 1:1 to 125:1.

2,411,723
VARIABLE SPACING MECHANISM FOR KEY OPERATED PRINTING MACHINES
Walter J. Hausman, Washington, D. C., assignor to Burnell Machine Company, Incorporated, Wilmington, Del., a corporation of Delaware
Application February 20, 1943, Serial No. 476,572
12 Claims. (Cl. 197—84)



8. In a printing machine, a frame, a paper carriage supported for movement transversely of the frame, means for advancing said paper carriage, a set of character printing type having faces which measure in width either one or multiples of one spacing unit, a bank of keys each one of which is operable to select a different one of said character printing type and causes the type face to make an impression, said paper carriage advancing means adapted to move the carriage either one-half or multiples of one-half of the aforesaid spacing unit, and means rendered active by the depression of the keys for causing two successive operations of the carriage advancing means, to thereby move the carriage the proper number of full spacing units to accommodate the width of the type faces selected by the depression of the keys.

2,411,724
METHOD OF MAKING TUBULAR ABRASIVE BODIES
Russell J. Hill, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1943, Serial No. 509,991
4 Claims. (Cl. 51—293)



1. The method of making an abrasive element which comprises steps of extruding a tube of hardenable soft material selected from the class consisting of thermosetting synthetic resins and polymeric thermoplastic synthetic resins and vulcanizable soft rubber compounds, applying abrasive powder to the outer surface only of the tube while still plastic, positively pressing the grains of the powder partially into the surface of the tube by rolling while still plastic, and hardening the substance of the tube to lock the grains therein.

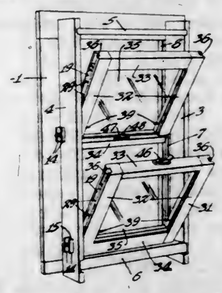
2,411,725
CARROTING OF ANIMAL FIBERS
Alfred E. Hodshon, Lahaska, and Harold H. Tucker, Merion Station, Pa., assignors to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 20, 1943, Serial No. 514,976
9 Claims. (Cl. 8—112)

1. That method of pot carroting loose animal fibers which comprises immersing the loose fibers in a solution of an oxidizing agent and a fiber-hydrolytic agent in an organic solvent containing not over about 50 per cent of water, removing excess solution from the treated fibers, and then drying the fibers, and thereby producing non-kinked and unmatted fibers of improved felting rate.

2,411,726
PRODUCTION OF AROMATIC HYDROCARBONS
Ronald Holroyd and David Hallam Primrose Peel, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 3, 1942, Serial No. 433,238. In Great Britain April 20, 1939
15 Claims. (Cl. 260—668)

9. A process for the dehydrogenation to aromatic hydrocarbons of the corresponding hexamethylene naphthenes contained in a mixture containing also at least one toxigen, which comprises subjecting the mixture in vapor phase, together with added hydrogen, at a temperature not exceeding 450° C., to the action of a catalyst containing at least one of the metals of group VIII of the periodic system except iron, cobalt and nickel, supported on activated carbon, the proportion of hydrogen added being sufficient to prevent substantial loss of activity of the catalyst during an operating period of at least one hundred hours, but not sufficient to cause hydrogenation to predominate over dehydrogenation.

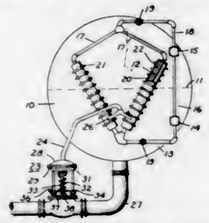
2,411,727
WINDOW CONSTRUCTION
Clarence N. Homan, Minneapolis, Minn.
Application September 5, 1945, Serial No. 614,471
3 Claims. (Cl. 20—45)



1. A window construction comprising a window frame having parallel sides, and upper and lower

sash disposed in the frame in laterally offset parallel planes permitting the sash to be raised and lowered independently, upper and lower stop flanges on the frame respectively overlapping opposite outer edge portions of the upper and lower sash and which are co-extensive with their respectively engaged sash, a longitudinally extended outwardly opening channel in the opposite edge of each sash, an arm slidable in each sash channel, one end of each arm being pivotally anchored to the frame closely adjacent a horizontal plane intersecting the lower edge of its respective sash when the said sash is in a normal closed position in the frame, whereby either sash may be raised or lowered in a vertical plane independently of the other or may be moved pivotally inwardly independently of the other.

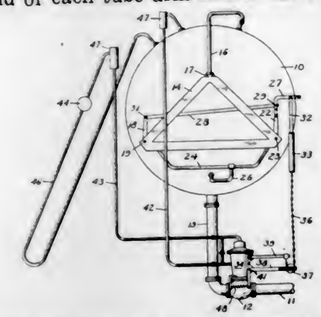
2,411,728
FEED WATER REGULATING APPARATUS FOR BOILERS
William L. Hunter, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application August 29, 1944, Serial No. 551,694
9 Claims. (Cl. 122—451.2)



2. Feed water regulating apparatus for boilers comprising a boiler drum, a generally V shaped tube having its apex disposed substantially in longitudinal alignment with the vertical center line of the drum head and its arms extending at substantially equal angles thereto, connections extending from the tube apex and arm ends to the steam and water spaces of the boiler whereby the water level in each arm will be the same with the boiler in normal position, a feed water valve, a fluid pressure motor for operating the valve, a fluid pressure generator comprising a pair of tubes each sealed with an arm of the V tube and forming chambers containing a volatile fluid, and communicating means extending from the chambers to the motor.

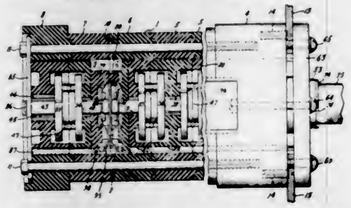
2,411,729
FEED WATER REGULATING APPARATUS FOR BOILERS
William L. Hunter, Erie, Pa., assignor to Northern Equipment Company, Erie, Pa., a corporation of Pennsylvania
Original application April 14, 1942, Serial No. 438,960, now Patent No. 2,365,081, dated December 12, 1944. Divided and this application September 20, 1944, Serial No. 554,997
4 Claims. (Cl. 122—451)

1. Feed water regulating apparatus for boilers comprising a boiler drum, a generally V shaped thermostatic tube having its apex fixed relative to the drum and substantially at the vertical center line of the drum, the tube arms extending at substantially equal angles to said center line and being freely movable under thermal change, one end of each arm communicating with the steam space of the drum and the opposite end with the water space thereof whereby the water level in each arm will correspond with boiler water level, a feed water valve, a fluid pressure motor adapted to actuate the valve, means connected to the free end of each tube arm and to the motor for



actuating the valve in accordance with the composite water level in the tube arms, and means responsive to steam flow variations in the system for operating the motor independently of the level responsive means.

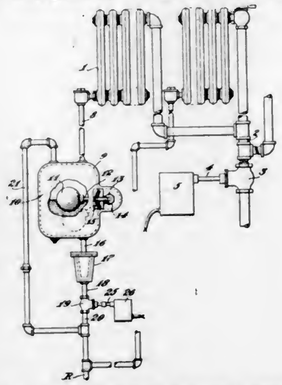
2,411,730
ELECTRIC SWITCH
Orlondo A. Huntsman, Arlington, Va., assignor to General Electric Company, a corporation of New York
Application August 29, 1944, Serial No. 551,645
23 Claims. (Cl. 200—5)



2. An electric switch comprising a relatively stationary supporting structure, a plurality of spaced terminals mounted on said supporting structure, a second structure supported by said supporting structure and movable relatively thereto, relatively stationary spaced contacts mounted on said second structure for conductive register with said terminals when said second structure is in a predetermined position relatively to said supporting structure, cooperating movable contacts mounted on said second structure for respective engagement with said stationary contacts, means for actuating said movable contacts, and means for preventing movement of said second structure relatively to said supporting structure except when at least one of said movable contacts is in a predetermined circuit controlling position.

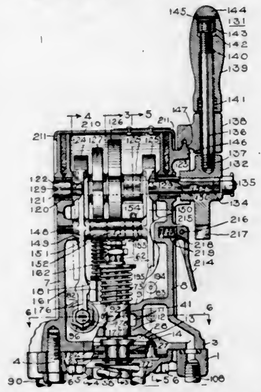
2,411,731
STEAM HEATING SYSTEM
William T. Jones, Newton, Mass., assignor to Barnes & Jones, Incorporated, Jamaica Plain, Mass., a corporation of Massachusetts
Application May 25, 1942, Serial No. 444,313
11 Claims. (Cl. 237—9)

7. In a heat exchange system wherein radiators are supplied with a condensable fluid, a supply main for said fluid, a plurality of radiators one of which is a key radiator, pipes leading to and from the several radiators, a main admission valve operative to control the passage of the fluid from the supply main to the pipes which lead to the radiators, a motor for closing and opening the admission valve, a source of energy for driving the motor, a receptacle for condensate from the key radiator, an orifice valve for determining the rate of escape of liquid from the receptacle, a motor for closing and



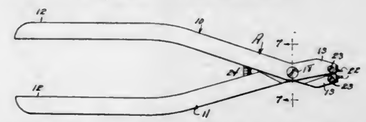
opening the orifice valve, control means operative to admit energy from the source to the admission and orifice valve motors, a movable float in the receptacle, means actuated by the float for operating the control means which admits driving energy to the admission valve motor, a thermostat, and means actuated by the thermostat for operating the control means which admits driving energy to the orifice valve motor.

2,411,732
CONTROL DEVICE
Cecil S. Kelley, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 30, 1942, Serial No. 463,915
3 Claims. (Cl. 74—471)



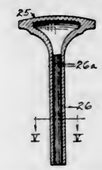
1. A control device comprising a rockable shaft, a quadrant arranged to turn with said shaft and having a plurality of spaced recesses arranged in an arc concentric with said shaft and corresponding in number and spacing to different positions of said shaft, means arranged to turn said shaft to its different positions, a detent member arranged to enter one of said recesses in each different position of said shaft for defining said position, spring means acting on said detent member urging said detent member against said quadrant, a cam operable with said shaft, a controlled member arranged to be controlled by said cam, pressure means urging said controlled member against said cam, the surface of said cam, cooperating with said controlled member upon movement of said shaft beyond positions defined by the two end recesses in said quadrant, being arranged so that the pressure of said controlled member against said cam by said pressure means will urge said shaft, cam and quadrant to the position defined by interengagement of said detent member with the adjacent recess in said quadrant.

2,411,733
TUBING EXPANDING TOOL
Henry C. Kemmerlin, Tryon, N. C.
Application May 31, 1944, Serial No. 538,126
1 Claim. (Cl. 81—5.1)



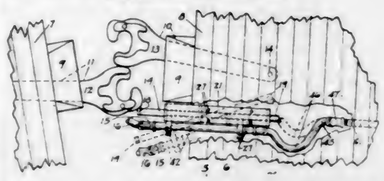
A tool of the kind described comprising a pair of levers having handle ends of straight formation which converge toward each other from the innermost portions of the handle ends, are then reversely angled thereto at the ends opposite and remote from said ends to provide outwardly divergent jaw ends, one of the levers having a longitudinally directed bifurcation therein, the other lever being reduced for interfitting the bifurcation, said levers being formed with reversely elbowed portions at their point of interfitting, a pivot bolt connecting the levers for opening and closing movement relative to each other in said elbow portions, sockets formed in the forward jaw ends of said levers, work applicators having studs, movably fitting the sockets in said levers, said work applicators having half rounded outer side faces formed thereon at a position off-center with relation to the studs, means for retaining said studs in said sockets and a limit screw fitting one of the levers and engaging the other lever for regulating the separation of the work applicators on actuating the levers.

2,411,734
COLD WORKED HOLLOW STEM VALVE
John M. Kerwin and Samuel H. Norton, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Original application March 11, 1942, Serial No. 434,237. Divided and this application August 2, 1944, Serial No. 547,672
6 Claims. (Cl. 123—188)



1. A hollow stemmed poppet valve having a longitudinally extending inwardly deformed internal stem wall with the deformations forming longitudinal reinforcing ribs for the wall.

2,411,735
GUARD FOR ANGLE COCKS FOR TRAIN LINES
Milton D. King, Seattle, Wash.
Application January 21, 1944, Serial No. 519,241
7 Claims. (213—1)



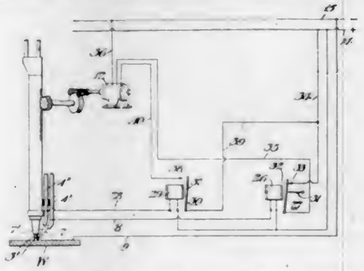
1. A guard for preventing injury to an angle-cock installation of a car during coupling attempt of adjacent cars with car couplings out of coupling alignment, said guard comprising a guide rod mounted for sliding movement on and longitudinally of the car, and a bar for connecting the angle cock installation to said guide rod to permit movement of the installation in the plane of movement of said guide rod, said bar being connected to the guide rod to permit movement of the bar and angle-cock installation in a direction at an angle to the plane of movement of said guide rod, said bar having a guard-forming end arranged in the path of movement of the non-aligned car coupler and between said car coupler and angle cock and completely protecting the angle cock installation against car-coupler contact in attempted coupling of the cars.

2,411,736
METHOD OF CANNING FRESH WATER FISH
Armin R. Kleinschmidt, Mankato, Minn.
No Drawing. Application April 6, 1945, Serial No. 587,015
15 Claims. (Cl. 99—188)

1. In the canning of fresh water fish, the improved steps comprising prior to removal of the head or viscera, preliminarily scalding the fish in water at approximately boiling temperature for a time interval to loosen the skin and scales, the time of scalding being insufficient appreciably to cook the underlying flesh of the fish, then removing the skin, scales, head, tail and viscera, the process being characterized by removing the "muddy streak" portions of the flesh by cutting a V-shaped groove lengthwise of the fish along each side of the fish at the median line, and washing the fish.

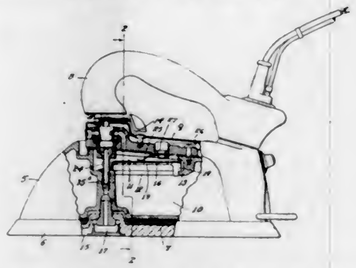
2,411,737
METHOD AND APPARATUS FOR CONTROLLING TORCH SPACING
Henry O. Klinke, Forest Hills, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application February 7, 1946, Serial No. 646,079
8 Claims. (Cl. 266—23)

8. Apparatus for controlling the spacing of a torch tip from the surface of a work-piece comprising means for moving the torch tip toward and away from the work surface, liquid jet-producing means movable with the tip and adapted to project two fine jets of conductive liquid at an angle toward the work surface and toward the flame jet of the torch so that one of said jets is located higher than the other and so that when the desired normal spacing between the work surface and the torch tip exists the upper jet will be intercepted by the flame jet and be interrupted by vaporization of the flame-contacting portion of the jet while the lower jet will touch the work surface short of the flame jet and when the spacing is greater than the desired normal both liquid jets will be intercepted and interrupted by the flame jet and when the spacing is less than the desired normal both liquid jets will touch the work surface short of the flame jet, an electric circuit of which the lower liquid jet and the work-piece constitute a part, a second electric circuit of which the higher liquid jet and the work-piece constitute a part, and means in said circuits responsive to changes in current value produced in them upon inter-



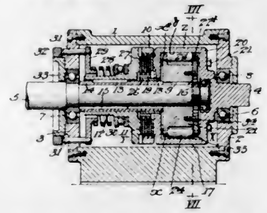
ruption of the jets and upon their striking the work surface for maintaining the torch-moving means inoperative when the tip spacing is at the desired normal and the lower jet touches the work surface and for rendering the torch-moving means operative to move the torch tip toward the work surface when the tip spacing is greater than the desired normal and the lower liquid jet is interrupted by the flame jet and for rendering the torch-moving means operative to move the torch tip away from the work surface when the tip spacing is less than the desired normal and the higher liquid jet strikes the work surface.

2,411,738
STEAMING AND PRESSING IRON
Louis V. Lucia and Edward H. Bassett, West Hartford, Conn., assignors to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application March 4, 1944, Serial No. 525,082
7 Claims. (Cl. 38—77)



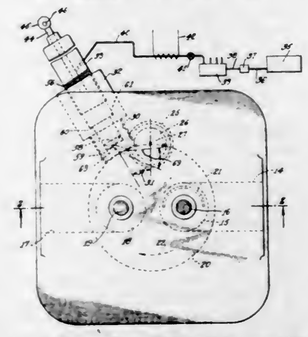
1. A steaming iron of the character described having a water chamber, a heating element for heating water in said chamber, a steam chamber above said water chamber, means communicating said steam chamber with the ironing surface of said iron, an opening between said water and steam chambers, a baffle plate positioned over said opening and having a baffle surface narrower than the opening, and means comprising flanges substantially perpendicular to the bottom surface of said baffle plate for directing water downwardly through said opening.

2,411,739
CLUTCH
Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application March 17, 1943, Serial No. 479,444
3 Claims. (Cl. 64—30)



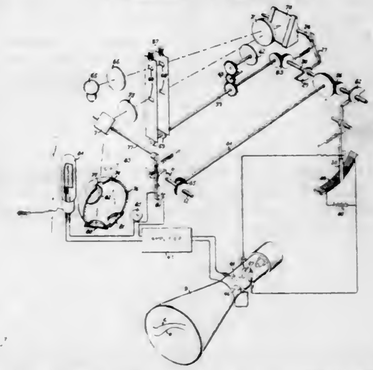
1. In a combined friction and one-way clutch, a fixed housing having two heads, alined drive and driven shafts rotatably mounted in their respective heads and having overlapping inner ends rotatably mounted the one on the other, a combined friction and one-way clutch member fixed to the inner end of the drive shaft, a one-way clutch member fixed to the inner end of the driven shaft, a spring pressed friction clutch member slidably locked to the driven shaft, friction discs for operatively connecting the clutch member with the combined friction and one-way clutch member, rotative eccentrics for automatically locking the combined friction and one-way clutch member with the one-way clutch member when the driven shaft tends to overrun the drive shaft, and means for adjusting the pressure of the spring of the spring pressed friction clutch member on the combined friction and one-way clutch member to a point where the starting and acceleration of the drive shaft up to its normal speed will cause a corresponding starting and acceleration of the driven shaft.

2,411,740
INTERNAL-COMBUSTION ENGINE
Jay B. Malin, Fishkill, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 22, 1943, Serial No. 515,234
8 Claims. (Cl. 123—32)



7. In an internal combustion engine of the character described having a power cylinder providing a combustion space, and a spark plug having electrodes positioned within said combustion space; the combination of an impingement and heat absorbing member of high heat conductivity mounted in an opening through said cylinder wall adjacent said spark plug electrodes and so that the inner end wall of said member is substantially flush with the wall of said combustion space, said member having an outwardly opening socket, a fuel injection nozzle mounted within said socket with the nozzle tip behind said inner end wall, said member having a flaring bore through said end wall, the smaller end of said bore being in alignment with said nozzle tip and the larger end of said bore opening into the combustion space, and said bore being angularly inclined with respect to the longitudinal axis of injection from said nozzle tip and toward said spark plug electrodes, whereby the fuel jet from said nozzle tip impinges on the flaring bore wall and is thereby heated and deflected into the said combustion space in the form of a highly atomized spray of low intensity, the relative positioning of said member and spark plug electrodes and the angular inclination of said flaring bore being correlated so that an outer edge of said spray form passes close to said spark plug electrodes without direct impingement of liquid fuel thereon and combustible fuel vapor-air mixture rapidly formed along said outer edge moves into contact with said electrodes.

2,411,741
COLOR MATCHING APPARATUS
Jesse L. Michaelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 13, 1939, Serial No. 309,013
7 Claims. (Cl. 88—14)

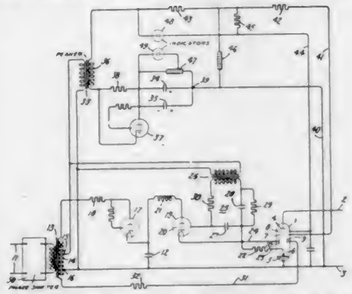


1. In combination, a photoelectric device arranged to receive light reflected from a plurality of objects having different reflectance, means for alternately illuminating said objects each for a short interval, means operative during each interval for limiting the illuminating light to a group of adjacent wave lengths and for varying the wave lengths comprising said group through a predetermined range, and means operating synchronously with said wave length varying means and controlled by the output of said photoelectric device for producing a plurality of curves each representing the energy reflected by one of said objects at the various wave lengths.

2,411,742
ELECTRIC VALVE SYSTEM
Marvin M. Morack, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 1, 1942, Serial No. 456,887
13 Claims. (Cl. 175—363)

1. In combination, an electric valve means of the type employing an ionizable medium capable

of supporting an arc discharge and including an anode, a cathode, an arc-ignition control member associated with said cathode and having a control grid, a source of alternating current, excitation means energized from said alternating current circuit for transmitting impulses of current to said control member and impulses of voltage to said control grid, phase shift means interposed between said alternating current circuit and said excitation means for controlling the phase of said impulses relative to the voltage of said source,



means independent of said phase shift means and interposed between said excitation means and said control grid for maintaining a predetermined constant lagging phase displacement between the impulses of current to said control member and the impulses of voltage to said control grid, and means including an auxiliary electrode within said valve means for maintaining the ionization initiated within said valve means by said control member until said impulse of voltage is impressed on said grid.

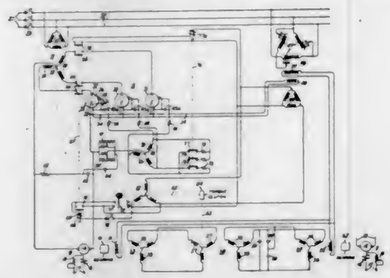
2,411,743
FLUID PRESSURE MOLDING APPARATUS
Hans G. Morner, New York, N. Y.
Application September 20, 1944, Serial No. 554,921
2 Claims. (Cl. 144—281)



1. In fluid pressure molding apparatus in combination, a mold curved in at least two directions and adapted to have material to be molded in contact therewith, a flexible fluid-impervious membrane positioned to cover said mold and material, the membrane being shaped and sized to conform closely to said mold and material, means for subjecting the face of the membrane remote from the mold and material to fluid pressure and means for venting the opposite face thereof to a lower pressure, and an opening in said membrane, the edges of said opening being formed as flexible mating strips of yieldable material, and a slide member for joining said strips in a fluid-tight closure, said closure being substantially coextensive with one of the major axial dimensions of the mold.

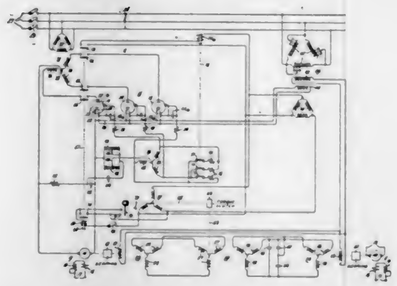
2,411,744
ELECTRIC CONTROL CIRCUIT
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 29, 1941, Serial No. 416,974
6 Claims. (Cl. 250—27)

1. In combination, a supply circuit, electric translating apparatus energized from said circuit and including electric valve means having a control member for controlling the conductivity thereof, a control circuit for controlling the energization of said control member including phase shifting means including an element movable to vary the phase of the output voltage



thereof and thereby to vary the output of said electric valve means, means for deenergizing said electric translating apparatus, and means responsive to the deenergizing operation of said last mentioned means for returning said movable element to a position corresponding to the minimum output of said valve means.

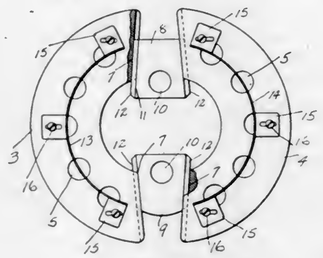
2,411,745
ELECTRIC CONTROL CIRCUIT
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application October 29, 1941, Serial No. 416,974. Divided and this application February 25, 1943, Serial No. 477,031
4 Claims. (Cl. 172—293)



4. A supply circuit, a dynamo-electric machine, electric translating apparatus interconnecting said circuit and said machine including electric valve means having a control electrode, a control circuit for controlling the energization of said control electrode including a phase shifting device having a rotatable element, means for positioning said movable element in accordance with the operation of the dynamo-electric machine comprising a self-synchronous motion transmitting system including a differential motion transmitting device having a movable element, mechanical means interconnecting the movable element of said motion transmitting system and the rotatable element of said phase shifting device comprising means for normally driving the rotatable element of said phase shifting device in fixed relation to the movable element of said motion transmitting system, said last mentioned means providing for relative movement of said rotatable member and said movable member

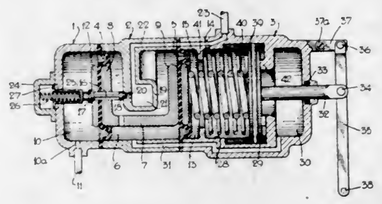
when the torque required to rotate said rotatable element exceeds a predetermined value to permit the movable element of said motion transmitting system to remain in synchronism.

2,411,746
HAT STRETCHER AND FORMER
Loyd D. Murray and Frank M. Gallo, San Francisco, Calif.
Application September 22, 1945, Serial No. 617,950
1 Claim. (Cl. 223—15)



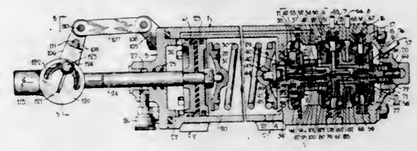
An appliance comprising a pair of segmental members having inner grooved tapered ends, a pair of tapered wedges interposed between said members, said wedges having tongues receivable in the grooved ends of said segmental members and capable of expanding the latter to shape and form the body portion of a hat, and a pair of semi-circular bands secured to said segmental members and adapted to contact the band of a hat in which said segmental members and said wedges are positioned.

2,411,747
CONTROL DEVICE
Claude A. Nelson, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 31, 1944, Serial No. 552,024
2 Claims. (Cl. 121—41)



1. A fluid motor comprising a casing, power means in said casing subject on one side to pressure of fluid in a power chamber, pilot means in said casing arranged in coaxial relation to said power means and subject on the opposite side to pressure of fluid in a control chamber connected to a fluid pressure supply and control passage, a coil spring in said casing acting on adjacent sides of said power and pilot means in opposition to pressure of fluid in the respective said chambers, valve means controlled by said pilot means for controlling communication between said passage and a third chamber at the opposite side of said pilot means, means opening said third chamber to said power chamber, said valve means also controlling a communication between said third chamber, and thereby said power chamber, and atmosphere, said pilot means being operable upon an increase in pressure of fluid in said control chamber to effect operation of said valve means to open communication between said passage and said third chamber and being operable upon a reduction of pressure of fluid in said control chamber to open said third chamber to atmosphere, and means in said casing counteracting the action of fluid pressure in the said third chamber on said pilot means and rendering the adjacent side of said power means subject to atmospheric pressure.

2,411,748
CONTROL DEVICE
Cecil S. Kelley, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 20, 1944, Serial No. 536,487
6 Claims. (Cl. 121—41)

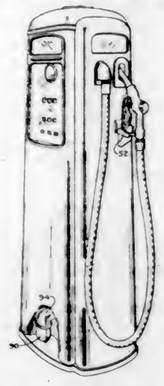


1. A fluid pressure control device comprising a casing, a control spring, a power piston in said casing subject to opposing pressures of said control spring and of fluid in a power chamber and adjustable to different positions corresponding to different pressures of fluid in said power chamber, valve means operable to supply and release fluid under pressure to and from said power chamber and subject to pressure of said control spring which is effective to actuate said valve means to release fluid under pressure from said power chamber, a movable member in said casing connected to said valve means and subject to pressure of fluid in a control chamber which opposes pressure of said control spring on said valve means and operable upon an increase in pressure of fluid in said control chamber to actuate said valve means to supply fluid under pressure to said power chamber, and movable power means in said casing connected to said valve means and subject to pressure of fluid in a third chamber which opposes pressure of said spring on said valve means.

2,411,749
ELECTRICALLY HEATED WATER TRAP FOR FUEL DISPENSING DEVICES
Chester C. Oberly and Paul E. Waugh, Fort Wayne, Ind., assignors to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana
Application August 9, 1939, Serial No. 289,258
8 Claims. (Cl. 222—1)

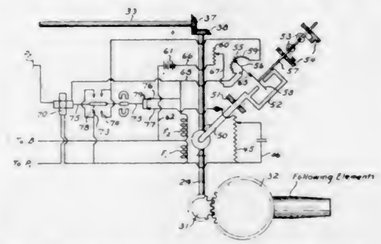
1. In combination, a tank for holding a petroleum product containing water adapted to separate by gravity and to underlie said petroleum product in the tank and which water on freezing forms ice, said tank having a discharge port for water, a discharge valve for said port, means for opening said valve, electrode means carried by said valve, an electric heater disposed in said tank, heater control, electrode means in said tank adjacent the electrode means carried by said valve but spaced therefrom, electrode means disposed in said tank at an elevation above said heater control electrode means, and means in-

cluding connections from said several electrode means to a source of current and to the heater



to energize said heater to melt the ice and to open said valve to discharge only the water.

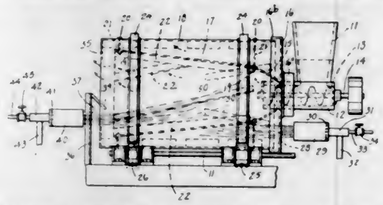
2,411,750
FOLLOW-UP CONTROL SYSTEM
Hyman Olken, Washington, D. C.
Application September 12, 1941, Serial No. 410,634
12 Claims. (Cl. 172—239)



2. A control system of the class described, comprising, in combination, an indicating element adapted to be moved to produce a deviation between it and a following unit, the latter having as an element thereof a driving motor for reducing deviation of said unit from said indicating element, means for energizing said driving motor, means for maintaining the velocity of the driving motor proportional to the magnitude of the deviation of the following unit from said indicator, means for applying a correction to the driving motor proportional to motor velocity-squared to reduce following unit velocity, means for applying a first time derivative of deviation correction to the driving motor to reduce the velocity of the motor when said deviation decreases to a small amount, and automatic means for switching from one correction applying means to the other.

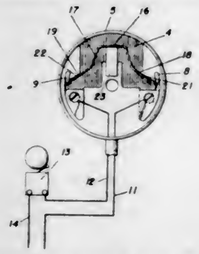
2,411,751
DRIER FOR AGGREGATES AND THE LIKE
Ivan J. Overman, Marion, Ind.
Application July 1, 1943, Serial No. 492,984
18 Claims. (Cl. 263—16)

1. An aggregate drier comprising in combination a rotatable drum structure including an inner drum and an outer drum through which aggregate passes in succession, a stationary closure for one end of said drum structure having apertures through which aggregate is supplied to the inner drum, and aggregate is discharged from the outer drum, a burner arranged to flame the interior of the outer drum and through a closure aperture therein, a stationary partial closure at the opposite end of the drum structure, the central inner drum chamber and included outer annular chamber venting therefrom above



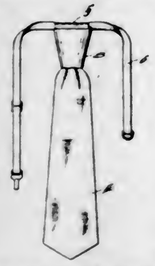
the latter closure, the inner drum at the said opposite end of the structure terminating short of the adjacent end of the outer drum for aggregate transfer, said latter closure having an aperture therein, and a second burner flaming the interior of the inner drum through the last mentioned aperture.

2,411,752
FIRE ALARM CONTACT DEVICE
Dante Padilla, Vallejo, Calif.
Application February 25, 1946, Serial No. 650,061
2 Claims. (Cl. 200—142)



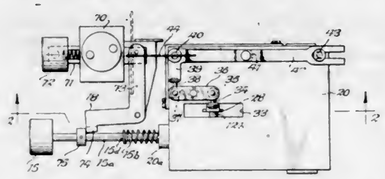
1. A switch for fire alarms, comprising a pair of spaced, vertically arranged contacts, cam surfaces formed adjacent said contacts, a U-shaped spring having diverging arms engaging said cam surfaces, and a fusible block supporting said spring, whereby said arms engage said cam surfaces under tension and maintain said arms out of engagement with said contacts.

2,411,753
MEN'S NECKWEAR
Howard Pfau, Cincinnati, Ohio
Application April 4, 1945, Serial No. 586,569
1 Claim. (Cl. 2—148)



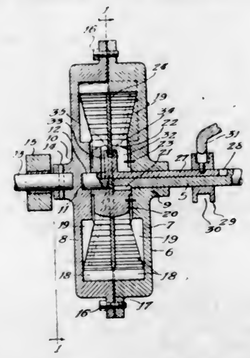
A necktie of the nature disclosed, comprising: a band of fabric material having its alternate face sides finished for reversible wear exposure and an end portion thereof folded about itself to form a tapering knot with a transverse loop fold for the head end thereof, a tapering sleeve of a material corresponding to the opposite face sides of the band relatively covering said knot portion and fixed thereto, with the transversely folded head end exposed, providing with the band portion extensive from the sleeve alternate face sides for reversible wear exposure, and a neck strap traversing said transverse loop folded head end.

2,411,754
SEQUENCE TUNER
Marion J. Pifer, Williamsville, Carl F. Carlzen, Buffalo, and Harold J. McGarvey, Eggertsville, N. Y., assignors to Colonial Radio Corporation, Buffalo, N. Y.
Application July 4, 1945, Serial No. 603,130
11 Claims. (Cl. 74—10)



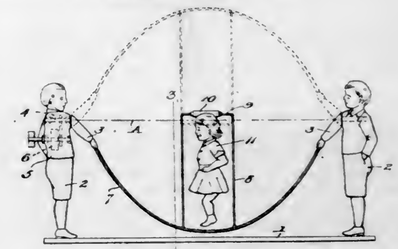
1. In a sequence tuner, in combination, a positionable element, a tilt bar connected thereto for actuation thereof, a turret, mounted for rotation and axial translation, engaging said tilt bar on opposite sides of the tilt bar axis of rotation and setting it to one of a predetermined series of angular positions, and means for imparting a work and indexing stroke to said turret, said work stroke being an axial translatory movement, and said indexing stroke being a predetermined increment of rotation.

2,411,755
FLUID CLUTCH
Alexander W. Plensler, Chicago, Ill.
Application March 17, 1945, Serial No. 583,358
7 Claims. (Cl. 192—58)



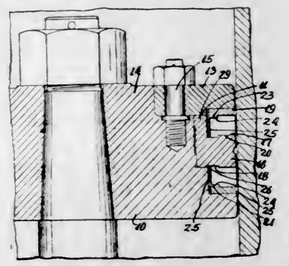
1. A device of the character described comprising a drive shaft, a disc encircling said shaft and secured to the shaft to rotate therewith and pivoted to said shaft on an axis at substantially right angles to the shaft, a driven member including a shell enclosing said disc and rotatable on the shaft, the interior diameter of said shell in a plane perpendicular to the shaft through the pivots of the disc being slightly greater than that of the disc wherein the disc may rotate within the shell, and means to shift said disc about its pivot.

2,411,756
ROPE-JUMPING TOY
Ossie K. Ramey, Columbus, Ohio
Application May 31, 1945, Serial No. 596,827
2 Claims. (Cl. 46—129)



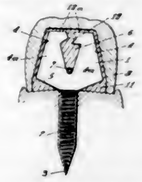
1. A mechanical rope-skipping toy comprising a base, a pair of spaced stationary figures mounted vertically on said base, each of said figures having an arm rotatable about a horizontal axis, said arms being formed with an arcuate rope-simulating member, a frame disposed centrally of said rope member, said frame including a cross member disposed eccentrically with respect to the horizontal axis of rotation of said arms, and a movable figure pivotally suspended from the cross member of said frame.

2,411,757
PISTON RING
Jesse A. Ramsey, Wenonah, N. J.
Application July 14, 1944, Serial No. 544,874
3 Claims. (Cl. 309—44)



1. In a piston having a bull ring adapted to be mounted in a groove and having a transverse face formed with an annular recess spaced inwards from the outer edge thereof, an annular member mounted in the annular space between said transverse face and one transverse face of said groove and formed of a plurality of sections having their ends in end alignment with each other and having an annular projection engaging said annular recess for limiting extension of said sections, sealing pieces set into radial recesses in said annular member and overlapping the adjacent ends of said sections and having projections engaging recesses in said annular member for limiting extension of said sealing pieces, and resilient means for extending said sections and sealing pieces, comprising leaf springs mounted within recesses formed in the sections of said annular member.

2,411,758
TOOTH ROOT PIVOT
Joseph Ruetz, Biel, Switzerland
Application February 22, 1945, Serial No. 579,216
In Switzerland November 12, 1943
9 Claims. (Cl. 32—13)



1. A tooth root pivot, comprising a substantially cylindrical shaft provided with a screw thread, a plate-shaped head integral with the upper end of said shaft, the lower edges of said head extending upwardly and outwardly from the top of the shaft at an angle of about 120° relative to the axis of the shaft, the side edges of the head extending upwardly and inwardly at a small angle to the axis of the shaft, and at least one top edge of the head extending at right angles to the axis of the shaft, said head being provided centrally with a substantially V-shaped slot having its lower narrow end disposed at about one-third of the height of the head and rounded, said slot subdividing the head into two legs on opposite sides of the axis of the shaft.

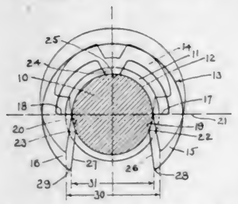
2,411,759
GAS MIXTURE
Louis E. Seley, Brooklyn, N. Y., assignor to Samuel Harry White, Detroit, Mich.
No Drawing. Application February 4, 1944, Serial No. 521,137
1 Claim. (Cl. 44—52)

The method of generating a gaseous fuel for use in welding and cutting of metals, heating, hardening, and for like purposes, comprising the spraying of propane with the vapor, of benzine and di-ethyl ether in the following proportions by weight, substantially 82 to 89% propane, substantially 5½ to 9% di-ethyl ether, and substantially 5½ to 9% of benzine.

2,411,760
METHOD AND APPARATUS FOR CATALYTIC CONVERSION
Eugene E. Sensel, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 13, 1944, Serial No. 530,844
5 Claims. (Cl. 260—449.6)

1. In the catalytic conversion of carbon monoxide and hydrogen into compounds of higher molecular weight by contact with a solid synthesis catalyst, the process that comprises passing a gaseous stream containing carbon monoxide and hydrogen downwardly through a plurality of separate porous beds of synthesis catalyst in solid particle form in series and spaced a substantial distance apart from each other within the tower, disposing in intervening spaces between catalyst beds a porous bed of non-catalytic solid particles through which vapors pass flowing from an upper catalyst bed to a lower catalyst bed, maintaining said catalyst zones at a predetermined elevated temperature effective for conversion, effecting substantial conversion of carbon monoxide and hydrogen into higher molecular weight compounds with evolution of heat during passage in contact with the catalyst, flowing liquid coolant obtained from without said tower through each non-catalytic bed in intimate contact with said vapors to effect cooling and in sufficient amount and at such temperature as to effect liquefaction of the higher molecular weight constituents of the reaction mixture, separating liquid from the vapors after passage through each non-catalytic bed and prior to passage through its succeeding catalyst bed in the direction of gas flow, withdrawing separated liquid from below each non-catalytic bed, regulating the amount of liquid withdrawn so as to prevent liquid overflow to a succeeding catalyst bed, and conducting resulting cooled vapors substantially free from liquid from a preceding non-catalytic bed to its succeeding catalytic bed in the direction of gas flow.

2,411,761
RETAINING WASHER AND THE LIKE
Sven A. Stolberg, Chicago, Ill., assignor to Russell Electric Company, Chicago, Ill., a corporation of Illinois
Application June 9, 1945, Serial No. 598,608
7 Claims. (Cl. 85—5)

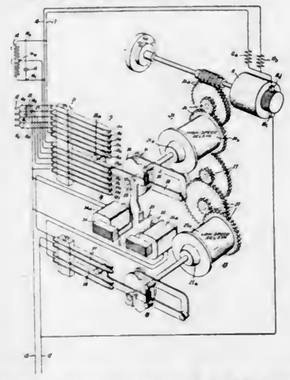


1. The combination with a stem having an encircling groove with a floor of given diameter, of a retaining washer in conjunction with said stem and groove, said washer comprising a ring section, said ring section terminating in two opposing end contacts each having an arcuate inwardly facing edge surface formed for engagement with the floor of the groove, and each end contact portion extending beyond such groove floor contacting portion and being flared outwardly, together with a central contact lug on said ring section extending inwardly for engagement with the floor of the groove, whereby said end contacts and said lug comprise three contact points for engagement with the floor of the groove, said washer being so proportioned that when said three contact points are in engagement with the floor of the groove both of the end contacts engage the groove floor exclusively at the same side of a diameter line passing through the axis of the stem, and the lug contact engages the groove floor at the opposite side of said diameter line and centrally between the end contacts.

2,411,762
9,10-EPOXYOCTADECANOL AND PROCESS FOR ITS PREPARATION
Daniel Swern, Philadelphia, Pa., assignor to United States of America, as represented by the Secretary of Agriculture
No Drawing. Application December 8, 1944, Serial No. 567,297
2 Claims. (Cl. 260—348)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A process of preparing 9,10-epoxyoctadecanol, comprising reacting oleyl alcohol with a solution of perbenzoic acid in acetone at about 0° C. to 5° C., then permitting the resulting solution to stand for about 40 hours at about room temperature, then cooling this solution to about —25° C. to form a precipitate which comprises mainly 9,10-epoxyoctadecanol, and then isolating the formed precipitate.

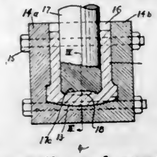
2,411,763
CONTROL SYSTEM
Artro W. Swingle, Schenectady, George H. Pettibone, Scotia, and Joseph E. Dill, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application February 2, 1944, Serial No. 520,728
4 Claims. (Cl. 172—239)



1. A control system comprising in combination, a split series field motor having one armature terminal connected to an intermediate tap of the series field winding and a connection from the opposite armature terminal leading to one side of a supply source, a resistor connected across said series fielding winding, a second resistor connected from an intermediate tap of said first resistor to the opposite side of said source and having a plurality of taps, a plurality of spaced apart contacts arranged in two banks, a contact of one of said banks being connected to one terminal of said first resistor and a corresponding contact of the other bank being connected to the opposite terminal of said first resistor and each of the taps of said second resistor being connected to a different one of the contacts of one bank and to a corresponding contact of the second bank, and means for selectively engaging the contacts of one of said banks to close in succession thereby to short circuit a selected portion of said first resistor to effect rotation of said motor in a corresponding direction and successively to short circuit portions of said second resistor to vary the speed of said motor.

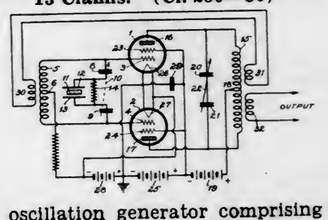
2,411,764
METHOD OF MANUFACTURING RIBBED DOME HOLLOW HEAD VALVES
Theodore R. Thoren and Paul P. Johnson, Cleveland, Ohio, assignors to Thompson Products, Inc., a corporation of Ohio
Original application August 30, 1940, Serial No. 354,778. Divided and this application January 30, 1943, Serial No. 474,112
3 Claims. (Cl. 29—156.7)

1. The method of stiffening the domes of hollow head poppet valves which comprises snugly confining the exterior of a hollow metal blank having a blind cavity therein bottomed by a solid wall, exerting pressure simultaneously on all of said solid wall with the exception of a localized central transversely extending portion of the



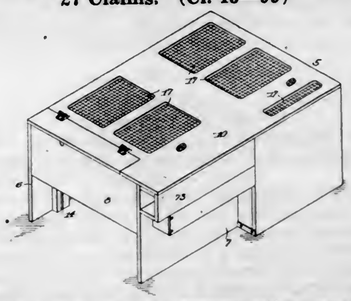
inner face of the wall, and causing wall metal to flow to said portion in the blind cavity for forming a thickened solid rib on said wall in the cavity.

2,411,765
OSCILLATION GENERATOR
George Usselman and Clarence W. Hansell, Port Jefferson, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application February 20, 1943, Serial No. 476,536
13 Claims. (Cl. 250—36)



1. An oscillation generator comprising a pair of electron discharge devices connected in push-pull relationship, each electron discharge device having at least a control grid, an anode and a cathode, a tuned grid circuit, a tuned plate circuit, an inductive coupling means between said tuned grid and tuned plate circuit, a piezo-electric crystal, said tuned grid circuit including two impedance devices, different impedance device being connected between each one of the grids of said electron discharge devices and opposite terminals of said piezo-electric crystal, so that the crystal will act as a very narrow band pass filter and thereby hold the generator oscillations to substantially one frequency as determined by the characteristics of said crystal.

2,411,766
ANIMAL TRAP
William J. Vincent and Cornelius M. Stanton, Rochester, N. Y., assignors, by mesne assignments, to Electronic Rat Control, Inc., Rochester, N. Y., a corporation of New York
Application May 24, 1943, Serial No. 488,280
27 Claims. (Cl. 43—99)



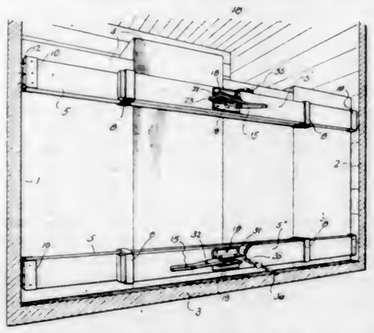
24. The method of exterminating an animal which comprises, in response to action by the ani-

mal, capturing the animal and applying to the animal while yieldingly squeezing the animal's body, an electrocuting current of limited value for a predetermined interval of time to at least two portions of said body where so squeezed.

2,411,767
INFRARED TREATMENT OF OILS
William A. Waldie and Harry A. Toulmin, Jr., Dayton, Ohio, assignors to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 15, 1942, Serial No. 426,898
2 Claims. (Cl. 204—161)

1. The method of bodying a vegetable drying oil selected from the group consisting of tung oil and crude oiticica oil which consists in exposing said oil to light consisting essentially of infrared radiations of such intensity whereby the time required to obtain a given degree of body is substantially reduced.

2,411,768
BOXCAR BRACE
Henry M. Welch, Seattle, Wash.
Application September 2, 1944, Serial No. 552,477
4 Claims. (Cl. 105—369)

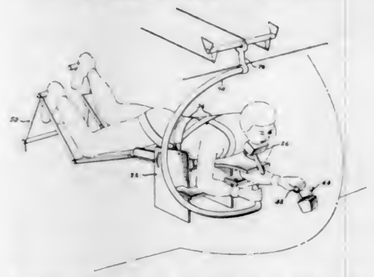


1. In a brace of that kind including two telescopically associated brace sections, adapted for relative endwise adjustment to extend or shorten the overall length of the brace and wherein each section has one end thereof extended beyond the adjacent end of the other and equipped at that end with spikes adapted to be pressed into holding contact with a wall; a securing and releasing means comprising a lever pivotally mounted near its end on one of said sections and a rack plate fixed on the other section to be engaged by the lever end in use of the lever as a pry for the forcible extension and forcible withdrawal of the spikes from a wall and contraction of the brace.

2,411,769
GASEOUS MIXTURE
Samuel H. White, Detroit, Mich.
No Drawing. Application July 1, 1946, Serial No. 680,867
2 Claims. (Cl. 48—197)

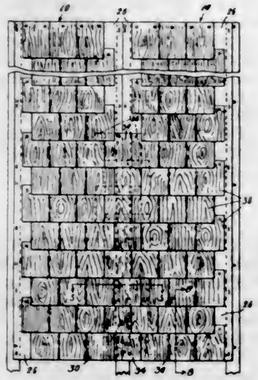
1. A composition providing a gas consisting of the following named ingredients within the range of proportions from a maximum of approximately 5000 cu. ft. at substantially 70° F. and atmospheric pressure, of a gas selected from the class consisting of natural and artificial fuel gases, approximately 25 lbs. of ether, and approximately 25 lbs. of benzine, to a minimum of approximately 5000 cu ft. of said gas under similar conditions, together with 12.5 lbs. of ether and 12.5 lbs. of benzine.

2,411,770
CONTROL COLUMN FOR PRONE POSITIONED PILOTS
Charles H. Zimmerman, Nichols, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 12, 1944, Serial No. 553,727
4 Claims. (Cl. 244—83)



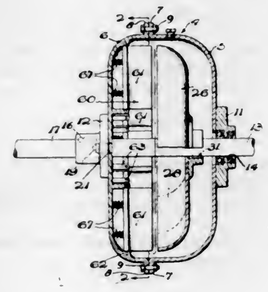
1. A control stick for an airplane having a pilot's compartment including top and bottom wall portions and pilot supporting means disposed longitudinally of and above the bottom wall portion for supporting a pilot in a prone position in spaced relation above said bottom wall portion, said stick having one of its ends pivotally supported on said top wall portion above a pilot on said supporting means for movement about two horizontal axes and extending generally transversely to said pilot supporting means and around one side of the latter toward said bottom wall portion and terminating beneath a pilot on said supporting means.

2,411,771
ROOF
Milton R. Beasley, Norwood, Mass., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application September 11, 1944, Serial No. 553,520
2 Claims. (Cl. 108—8)



1. A prefabricated panel roofing assembly which comprises a series of roofing panels in edge-to-edge relation, each consisting of a baseboard of suitable dimensions and conventional overlapping roofing material of the general type including wood shingle, clapboard and asbestos siding units laid in courses in overlapping relation on the baseboard and with the ends of successive courses terminating inwardly from the edge of the baseboard in varying amounts in staggered relation and undercut to provide a flange receiving space between said ends and the baseboard, and filler units of said roofing material of like texture and weather exposure with the courses of secured roofing units, and of a width when laid and secured in the spaces between adjacent ends of said courses, to form continuous courses across said series of roofing panels, said filler units having on both sides thereof laterally extending flange portions arranged to extend beneath adjoining units of the course for flashing said filler units with relation to the adjoining units of said courses.

2,411,772
HYDRAULIC TRANSMISSION APPARATUS
John S. Becker, Poughkeepsie, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Original application November 23, 1942, Serial No. 466,640. Divided and this application August 22, 1944, Serial No. 550,651
1 Claim. (Cl. 60—54)

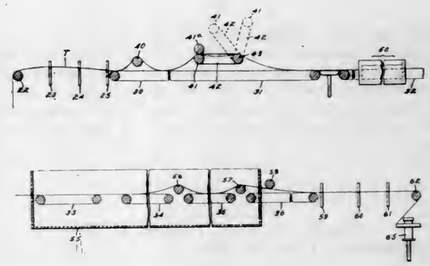


In a hydraulic transmission, the combination of a fluid tight housing adapted to contain fluid; a driving impeller member rotatably mounted at one end of said housing; a driven rotor member rotatably mounted at the other end of said housing and in predetermined spaced relation with respect to said impeller member; and fluid pressure responsive means for varying the space relationship between said members, said means including a plurality of substantially L-shaped vanes arranged in angular spaced relation about the axis of rotation of said driven member and pivotally connected at both ends to the latter, each of said L-shaped vanes having an inwardly extending leg, the end face of which is in parallel spaced relation with the adjacent end face of said impeller member and a laterally extending leg in substantially parallel spaced relation with the adjacent end wall of said housing; and a plurality of springs for each L-shaped vane and in radial spaced relation relatively, said springs disposed between said laterally extending leg and the adjacent housing end wall for yieldingly urging said inwardly extending leg toward said impeller member, the displacement of said inwardly extending legs being variable to compensate for differences in speeds of rotation of said impeller member without imparting consequent changes in the speed of rotation of said rotor member.

2,411,773
CURING NEOPRENE
Byron W. Bender, Cupsaw Lake, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 5, 1945, Serial No. 586,817
2 Claims. (Cl. 260—92.7)

1. A method of accelerating the cure of polychloroprene which comprises incorporating therein, prior to cure, a small amount of 3,3,3',3'-tetramethyl-1,1'-spirobisindane-5,5',6,6'-tetrol.

2,411,774
METHOD AND APPARATUS FOR MANUFACTURE OF CONTINUOUS FILAMENT AND LIKE STRUCTURES
Walter J. Gundelfinger, West Roxbury, Mass.; Constance D. Gundelfinger administratrix of said Walter J. Gundelfinger, deceased
Application July 15, 1941, Serial No. 402,493
9 Claims. (Cl. 18—8)

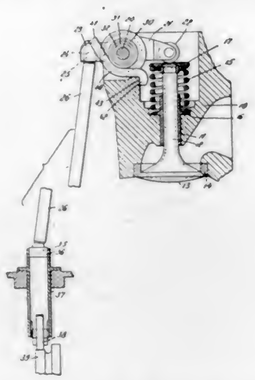


7. Apparatus for the continuous production of a multiplicity of individually extruded threads, comprising, in combination: a rotary draw-off device of adequate axial extent to receive in side-by-side relation the multiplicity of freshly extruded threads; traveling liquid bath conveyor means serially disposed substantially horizontally in separately controllable zones each adapted to receive the thread multiplicity and to subject the same each uniformly to immersive liquid treatment as selected for the given zone; means associated with said traveling liquid bath conveyor means for tensioning and stretching the threads during their travel within at least one of said zones, each thread to the same extent throughout the entire multiplicity thereof; means for uniformly drying the thread multiplicity while continuing their forward travel; and means thereafter individually to twist and collect each thread into separate package form.

2,411,775
VALVE MECHANISM
Wilhelm B. Bronander, Jr., Montclair, N. J., assignor of one-half to Wilhelm B. Bronander, Sr., Montclair, N. J.
Application July 21, 1944, Serial No. 545,996
1 Claim. (Cl. 123—90)

In valve mechanism, a valve guide, a valve having a valve stem reciprocatable in said guide, a cylinder head having spaced bearings therein, a rocker having a pivot pin mounted in said bearings and having an arm engaging the valve for opening the valve, a spring for closing the valve,

and a coil spring encircling the rocker pin and engaging the end of the rocker remote from the arm engaging the valve for substantially neutralizing the inertia load of the rocker arm and



returning the rocker to its inactive position during the closing of the valve, said coil spring having flat coils on opposite sides of the rocker and between the rocker and said spaced bearings to take up thrust coaxial with the rocker pivot axis and center the rocker between said spaced bearings.

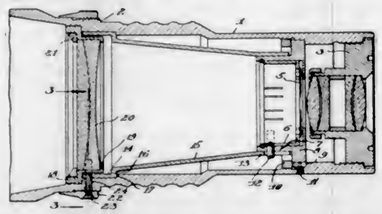
2,411,776
DRILL JIG
Charles H. Cole, Leonia, N. J.
Application June 28, 1944, Serial No. 542,486
6 Claims. (Cl. 33—174)



3. A device of the character described comprising a flat rectangular plate provided with a straight row of equally spaced holes of substantially equal diameters parallel to a side of the plate, and a plurality of additional rows of equally spaced holes parallel to each other and forming the same angle with the line of the first-named row, corresponding holes in the several rows being equally spaced from the ends of the plate.

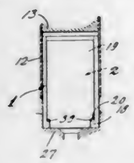
2,411,777
IRIS DIAPHRAGM MECHANISM FOR PROJECTION LENSES
George K. Czarnikow, Rochester, N. Y., assignor to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application September 28, 1944, Serial No. 556,120
2 Claims. (Cl. 95—64)

1. In a projection lens, the combination with an elongated lens barrel, a rear lens mount at the rear of the barrel, and a front lens mount at the front of the barrel of larger diameter than the rear lens mount, of an iris diaphragm located in front of and adjacent to said rear lens mount and including a control ring, the diaphragm being approximately the same diameter as the rear lens mount and of less diameter than the front lens mount, an operating member independent of the diaphragm and including a cylindrical rear portion surrounding said control ring, a pin carried by the control ring, said cylindrical rear portion of the operating member having a longitudinal slot engaging said pin, the operating



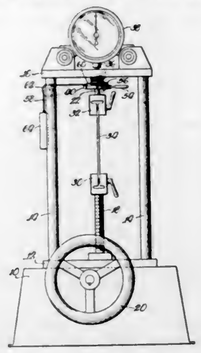
member also including a cylindrical front portion of greater diameter than said rear portion and rotatably supported on the interior of the barrel adjacent to said front lens mount, an adjusting ring threaded and rotatable on the exterior of the barrel around the front lens mount and having a pin extending through an opening in the barrel, said cylindrical front portion of the operating member having a longitudinal slot engaging said pin, and an elongated tapering sleeve portion connecting said cylindrical front and rear portions of the operating member.

2,411,778
GUN FIRING SOLENOID
Albert N. De Wilde, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application September 22, 1942, Serial No. 459,335
1 Claim. (Cl. 175—341)



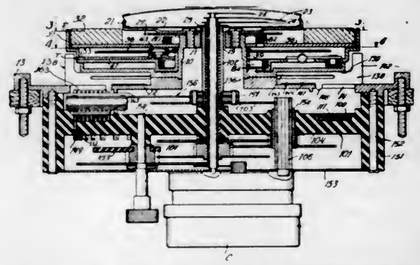
A solenoid structure comprising a guide tube, a core in one end thereof, a solenoid coil surrounding said guide tube, a magnetic casing extending from said core across one end of the coil, around the outside of the coil and across the other end of the coil to said guide tube, a plunger slidable in said guide tube, said plunger comprising a pair of portions, both of which extend through said guide tube from adjacent said core and through the portion of said magnetic casing extending across said second end of said coil, said pair of portions each having an abutment, said abutments being spaced from each other when the solenoid coil is unenergized and engaging each other when the solenoid coil is energized, means for limiting the outward movement of one of said plunger portions so that it is slightly spaced from said core, means to limit the other of said plunger portions so that it is spaced slightly farther from said core than said first portion, and an actuator connected with said second portion.

2,411,779
SHOCK ABSORBING MEANS FOR TENSION TESTING MACHINES
Edwin I. Dillon and Robert E. Dillon, Chicago, Ill., assignors to W. C. Dillon & Company, Inc., Chicago, Ill., a corporation of Illinois
Application February 14, 1944, Serial No. 522,252
9 Claims. (Cl. 73—95)



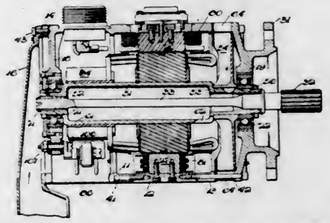
1. In a testing apparatus having a stationary abutment and a screw threaded load carrying element movable in response to the test load applied thereto and freely slidable in one direction in said abutment; shock absorbing means comprising a nut cooperating with the threads of said element, a single one-direction thrust bearing between said nut and said abutment, and means biasing said nut to rotate in a direction toward said abutment, said means comprising a flexible element wrapped around the nut, and a weight connected with the flexible element to exert a pull thereon, said nut limiting reverse sliding of said load carrying element relative to said abutment whereby sudden release of the load causes such movement of the load carrying element to be absorbed by the abutment.

2,411,780
PRESELECTOR APPARATUS
Harold F. Elliott, Belmont, Mass.
Application February 20, 1943, Serial No. 476,563
10 Claims. (Cl. 200—37)



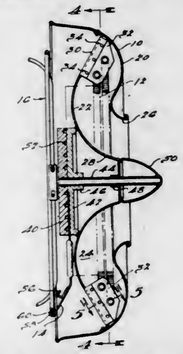
1. In apparatus for setting up a predetermined program as to time and function and controlling electrical circuits therewith having a plurality of settable means thereon, the means for routing a circuit through said apparatus in accordance with the positions of the settable means including a rotary unit having a plurality of yieldable switch means thereon with each switch means being operable and yieldable independently of the others, and each switch means including a depressible portion adapted for engagement with a corresponding settable means and a contact portion movable by said depressible means, and said routing means also including a plurality of conducting members to be selectively engaged by corresponding switch means contact portions upon a depressing operation thereof.

2,411,781
ELECTRICAL APPARATUS
William F. Fell, Hasbrouck Heights, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 9, 1943, Serial No. 505,688
3 Claims. (Cl. 171—252)



1. A device of the character described, comprising, in combination, an armature winding, a hollow shaft carrying said winding, a housing, sealed bearing assemblies at each end of said housing, said hollow shaft having reduced end portions supported in said bearing assemblies, slotted portions intermediate said end portions to admit cooling air currents to the shaft interior, and blower means carried on one of said reduced end portions to create a forced draft through said shaft interior.

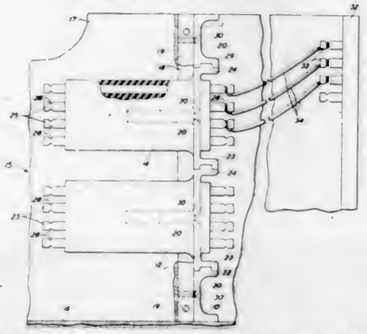
2,411,782
HEATER ATTACHMENT FOR FANS
Alfred W. Gardes, Detroit, Mich., assignor to McCord Corporation, a corporation of Maine
Application April 1, 1944, Serial No. 529,208
7 Claims. (Cl. 219—39)



1. An electric heater attachment adapted to be readily removably attached to the guard of an air circulating fan, said attachment comprising a casing providing a passage through which air is circulated by said fan during operation thereof, an electric resistance heating element arranged in said passage and operable for heating the air circulated therethrough by said fan, a plurality of radially extensible hooks carried by said attachment and adapted for engagement with the guard of a fan for holding said casing assembled to a fan in such a manner that the inlet to said passage is presented toward the dis-

charge from said fan, and mechanism for adjustably connecting said hooks to said casing, including a knob for actuating said mechanism to extend or contract said hooks, said knob being accessible from the side of said casing opposite said fan.

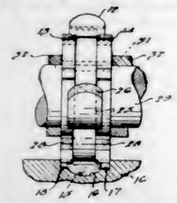
2,411,783
MULTITERMINAL STRUCTURE
Marcel C. Ganthier, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1943, Serial No. 512,437
1 Claim. (Cl. 175—298)



A multi-terminal structure for a casing having a bottom and side walls, the latter having parallel vertical mounting members fixed thereto, the structure comprising a base panel section, with a tongued upper edge, resting upon the bottom of the casing and having its ends secured to the vertical mounting members, a plurality of molded panel sections each having spaced sets of laterally extending terminals with their ends extending from the front and back faces of the sections, each terminal panel section being formed with molded portions extending outwardly from and integral with the front face thereof to surround the major portions of the sets of terminals, and further formed with laterally extending intermediate reinforcing ribs between the outwardly projecting molded portions and a longitudinally extending tongue and groove at their top and bottom edges, means to secure the ends of the terminal panel sections to the vertical mounting members in stacked formation upon the base section with their tongues and grooves forming interlocking connections, and a top panel section, with a groove extending longitudinally in its bottom edge for interengagement with the tongue of the topmost terminal panel section, having its ends secured to the vertical mounting members to cooperate with the other panel sections to form a liquid tight wall in the casing.

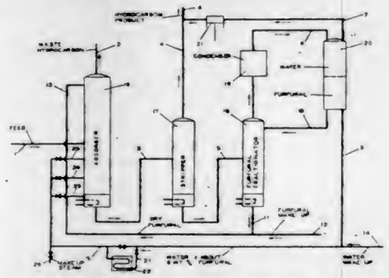
2,411,784
MILLING CUTTER
Thomas Ralph Goldsmith, Buffalo, N. Y., assignor, by mesne assignments, to Super Tool Company, Macomb County, Mich., a partnership composed of Mrs. Sophie Birgbauer, Mrs. Ruth Schreck, Mrs. Gordon Birgbauer, and Mr. Gordon Birgbauer
Application November 30, 1942, Serial No. 467,327
3 Claims. (Cl. 29—103)

1. A cutting tool of the milling type having a pair of washer-like body portions each portion provided with peripheral cutting teeth, the teeth on one of said body portions being spaced circumferentially from those on the other a sufficient amount to permit the teeth of one portion to be positioned between the teeth of the other portion when the body portions are assembled together



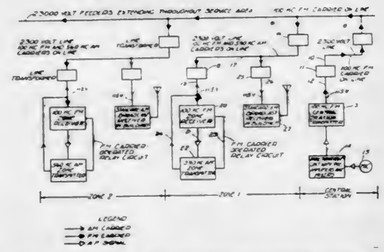
and the teeth on one of said portions being displaced axially into overlapping position with respect to the teeth on the other portion to provide a driving interlock between the portions.

2,411,785
METHOD OF SOLVENT EXTRACTION
Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 9, 1943, Serial No. 482,435
5 Claims. (Cl. 202—39.5)



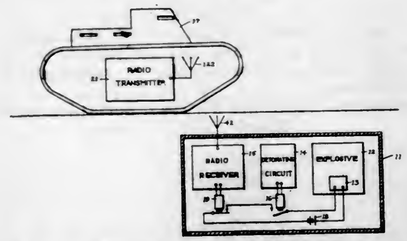
1. In the process of concentrating an aliphatic unsaturated hydrocarbon from a hydrocarbon mixture containing the same and other close boiling more saturated hydrocarbons wherein a stream of said hydrocarbon mixture is introduced at an intermediate point in an absorption column, furfural containing small amounts of water is introduced near the top of said column and serves as selective solvent for the unsaturated hydrocarbon, the hydrocarbon mixture is subjected to combined simultaneous extraction and rectification in said column, hydrocarbon vapors depleted in the unsaturated hydrocarbon are withdrawn overhead, a kettle product of furfural rich in unsaturated hydrocarbon containing substantially all water introduced into said absorption column is withdrawn from the bottom of the column and the unsaturated hydrocarbon is stripped from the bottoms product in a stripping zone that improvement which comprises maintaining the water content of the furfural introduced as selective solvent into the top of the absorption column at sufficiently low level to prevent separation of two liquid phases in the upper portion of the absorption column, introducing water into a plurality of vertically spaced points in lower portion of the absorption column and controlling the amount of water so introduced so that the proportion of water present at any specified point within the column is less than the proportion of water which would cause separation of two liquid phases at the same specified point and so that the proportion of water contained in the furfural in the upper portion of the column is less than such proportion in the lower portion of the same column, and so that said water content progressively increases toward the bottom of said column, whereby high absorption efficiency toward unsaturated aliphatic hydrocarbons is maintained in the furfural in the upper portion of the column while the boiling point of the furfural in the lower portion of the column is lowered.

2,411,786
COMMUNICATIONS SYSTEM
William S. Halstead, Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind., a corporation of Delaware
Application August 11, 1944, Serial No. 548,962
12 Claims. (Cl. 179—2.5)



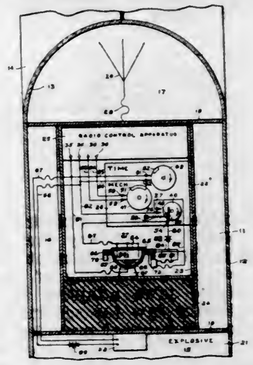
1. In a carrier wave communications system, means for generating a frequency-modulated carrier, means for coupling said frequency-modulated carrier to a distributing network, means for coupling said network to a receiver responsive to frequency modulation, an amplitude modulated transmitter, means for coupling said frequency modulated receiver output to an amplitude modulated transmitter operating on a frequency different than said first transmitter, means for coupling the output from the amplitude modulated transmitter back into said distributing network, a second receiver operating in the local zone area of the distributing network and tuned to the frequency of said amplitude modulated transmitter, and means for reproducing into sound the output of the second receiver.

2,411,787
RADIO CONTROLLED MINE
John Hays Hammond, Jr., Gloucester, Mass., assignor to Radio Corporation of America
Application September 26, 1942, Serial No. 459,787
8 Claims. (Cl. 102—8)



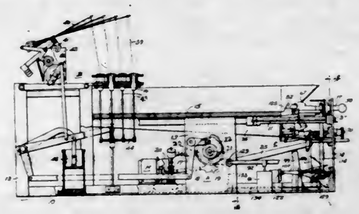
7. A mine having a detonator, means including a pair of relays which, upon energization, are adapted to set off said detonator, radio receiving means adapted to energize one of the said relays upon receipt of a pre-arranged signal, and additional means adapted to energize the other of said relays upon the approach of a moving metallic object.

2,411,788
BOMB CONTROL SYSTEM
John Hays Hammond, Jr., Gloucester, Mass., assignor to Radio Corporation of America
Application December 18, 1943, Serial No. 514,747
8 Claims. (Cl. 102—2)



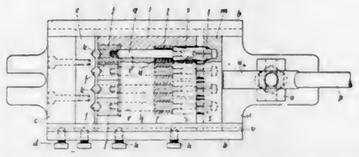
4. A bomb comprising a detonator, an electric circuit for firing the detonator, a first time-controlled means for conditioning the detonator circuit to be energized upon the movement of the bomb from its position of rest, a second time-controlled means for conditioning the detonator circuit to be energized upon receipt of a control signal from a remote point, and a third time-controlled means for conditioning the detonator circuit to be energized after the lapse of a predetermined time interval.

2,411,789
BOWLING ALLEY
Charles W. Hartwig, New York, N. Y.
Application August 5, 1943, Serial No. 497,493
20 Claims. (Cl. 273—38)



1. A bowling game apparatus including an alley floor, pin re-setting mechanism adjacent one end of the floor, ball propelling means adjacent the other end of the floor and operable to propel a ball along the floor, a ball magazine, means for delivering a ball from said magazine to said propelling means, ball holding and releasing means associated with the magazine and propelling means and actuated by the propelling means for releasing one ball from the magazine to the delivery means on each operation of the propelling means, and power means independent of said propelling means for actuating said delivery means and pin re-setting mechanism upon successive operations of said power means, whereby the pin re-setting mechanism may be operated to reset the pins after a strike without delivering a ball to said propelling means unless the ball propelling means is again operated.

2,411,790
WORKPIECE HOLDER
Frank Henry Hadley, Birmingham, England, assignor of one-half to Baron Cyril David Woolf, Birmingham, England.
Application July 8, 1944, Serial No. 544,083
In Great Britain October 22, 1943
5 Claims. (Cl. 81—38)



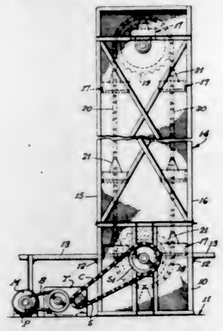
1. A work-piece holder comprising the combination of a base, a stationary jaw provided on the base and to form an abutment for a plurality of work-pieces, a plurality of separate and relatively slidable jaws adapted to co-operate with the stationary jaw for securing the work-pieces, a stationary support provided on the base and slidably supporting the slidable jaws; an operating member for advancing all the slidable jaws towards the stationary jaw, springs arranged to bear against the said support and act on the slidable jaws for retracting the slidable jaws, and resilient means through which simultaneous and independent movements can be transmitted from the said member to the slidable jaws.

2,411,791
PICKLING OF FERROUS METALS
Charles K. Hunt, Wyandotte, John F. Olin, Grosse Ile, and Harold H. Brandt, Wyandotte, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 16, 1944, Serial No. 535,880
8 Claims. (Cl. 252—151)

1. The process of pickling ferrous metals which comprises subjecting the metal to be pickled to the action of a sulfuric acid pickling bath containing as a corrosion inhibitor an alkylene thioglycol having between 2 and 5 carbon atoms.

2,411,792
DRIER
William H. Joyce, Jr., Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation of California
Original application May 24, 1941, Serial No. 395,050, now Patent No. 2,377,631, dated June 5, 1945. Divided and this application June 5, 1942, Serial No. 445,901
2 Claims. (Cl. 34—207)

1. A vertical drier for articles in work baskets comprising: a tower extending upwardly from a floor base forming a drying chamber and having doorless openings at work level elevated above the floor for introducing baskets at one side and removing them from the other and having an air inlet above said openings, a track including guide elements for said baskets extending into the tower from both sides through said openings, a stop member on said track at the introductory opening to position said baskets, vertical means for automatically picking up said baskets containing articles to be dried from said track, moving them through a vertical path in the drying chamber and depositing them on the track at the opposite side of the tower, and means for forcing through the chamber a circulation of heated air, said last mentioned means comprising a heating element, a blower, a conduit connected to said blower for directing air through the heating element and

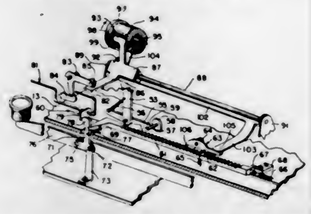


into the tower at a point above said openings, and a return duct carrying all of the air from the top of the tower to the blower for reheating and recirculation.

2,411,793
TREATMENT OF OIL AND GAS WELLS
Harvey T. Kennedy, Oakmont, Pa., and Paul L. Gassett, Flora, Ill., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application September 17, 1942, Serial No. 458,720
10 Claims. (Cl. 166—22)

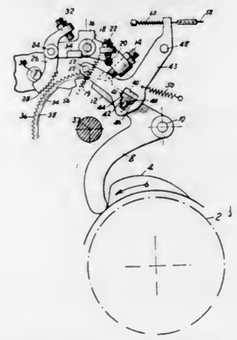
1. A method of treating a well producing both hydrocarbons and water which comprises establishing a body of pumpable plastic having a definite yield point high enough to prevent it from penetrating the formations until subjected to a minimum applied differential pressure sufficient to exceed its yield point at the larger pored formations and which will cause its flow, selectively, into the larger pores of the formations, said plastic being adapted to harden in time to a frangible solid under bottom-hole conditions, introducing the plastic body so established into the well, directing the plastic body against the faces of the producing horizon and subjecting the plastic body to a pressure in excess of the minimum required to cause its flow into the larger pores of the formations, but insufficient to force it into the smaller pores thereof.

2,411,794
RECORDER CONTROL MECHANISM
Ross A. Lake, Oak Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 30, 1943, Serial No. 516,195
8 Claims. (Cl. 178—92)



7. In combination, a strip perforating means, a first strip feeding device effective in one manner, a second strip feeding device effective in a reverse manner, a device adapted to be actuated by said second device according to the number of operations of said second device, and means effective under the control of said actuated device to reoperate said first device a number of times commensurate with the prior operation of said second device.

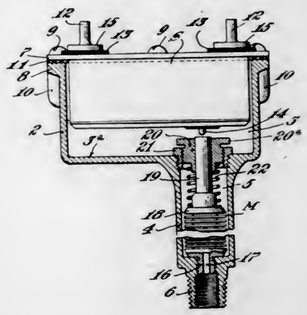
2,411,795
RACKING MECHANISM FOR KNITTING MACHINES
Robert H. Lawson, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application November 10, 1944, Serial No. 562,809
19 Claims. (Cl. 66—50)



1. In a knitting machine, rotary means including a toothed member, a first lever, means for imparting oscillatory motions to said lever, a second lever having at least one tooth engageable with teeth of the toothed member, the second lever being pivoted to the first lever but being restrained from free angular movement relative thereto, a stop engageable by the second lever to limit movement thereof away from the toothed member, and stop means for limiting angular movement of the second lever relative to the first in one direction, so that during an oscillation of the first lever in one direction the second lever first moves therewith to cause its tooth to mesh with said toothed member and then moves angularly relatively thereto to a position limited by said stop means to impart an advancing movement to said toothed member, and so that during an oscillation of the first lever in the reverse direction the second lever first moves therewith to disengage the tooth from the toothed member and then engages said stop to be retarded thereby to establish a definite angular relationship between the levers at the end of the movement of the first lever.

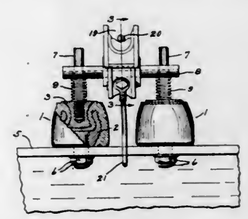
2,411,796
PRESSURE ACTUATED ELECTRICAL SWITCH
Henry G. Leupold, Cambridge, Mass., assignor to United Electric Controls Company, South Boston, Mass., a corporation of Massachusetts
Application January 1, 1945, Serial No. 570,921
3 Claims. (Cl. 200—83)

1. An instrument of the class described wherein a switch unit, having an actuating pin, is associated with a pressure motor within a rigid housing, the latter comprising a hollow body portion and a removable cover, characterized in that the switch unit includes a top plate constituting the cover for the housing and the body of the switch unit depends from the cover into the hollow body portion of the housing, and in having means for securing the cover leak-tight to the body of the housing, the switch unit having terminals which extend leak-tight through the top plate, the



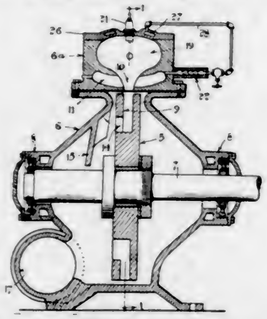
motor comprising an inlet nipple which is fixed leak-tight in a bore in the wall of the housing body, the motor also including a part which moves, in response to pressure variations, in a rectilinear path coaxial with the switch pin, and a rigid element for transmitting motion from said movable motor part directly to the switch pin.

2,411,797
CURRENT COLLECTOR
Warren J. Lewis and Justin H. Sanford, Mansfield, Ohio, assignors to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application August 26, 1944, Serial No. 551,381
13 Claims. (Cl. 191—45)



1. A current collector comprising, a traveling crane, a pair of spaced insulators mounted on the crane, means projecting from each insulator in a direction away from the crane, an elongated bar mounted on the said means in slidable relation thereto toward and away from the insulators, yielding means interposed between the bar and the insulators to cushion the movement of the bar in one direction, the bar having a concave bearing surface, a current collector shoe mounted on the bar to move longitudinally thereof and having a convex bearing surface cooperating with the concave bearing surface whereby the shoe may rock upon the bar in a plane at right angles to the longitudinal axis of the bar and a groove associated with the shoe and extending in the direction of motion of the shoe to receive a current conductor.

2,411,798
GAS TURBINE
Arthur H. Matthews, Lake Beauport, Quebec, Canada
Application July 5, 1944, Serial No. 543,574
2 Claims. (Cl. 60—41)



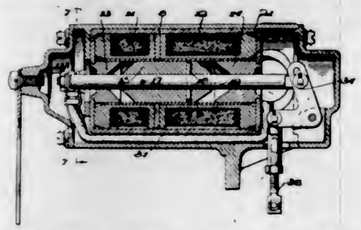
1. A gas-turbine comprising a rotor provided with a peripheral channel having discharge ports in one side wall thereof, a stationary casing enclosing said rotor and provided with jet-passages through which expansible motive fluid is directed into said channel and stationary vanes or buckets in said casing located opposite the ported side of said channel and positioned to receive the impact of jets of motive fluid discharged from said channel through said ports.

2,411,799
DEALKYLATION OF ALKYL CYCLIC COMPOUNDS
William J. Mattox, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 27, 1944, Serial No. 528,344
4 Claims. (Cl. 260—672)

1. A process for dealkylating a mono-alkyl cyclic compound, which comprises contacting said mono-alkyl cyclic compound with a catalyst comprising alumina as its essential active ingredient and a hydrogen halide under dealkylating conditions of temperature, pressure and time, separating a completely dealkylated cyclic compound and hydrogen halide from the resultant products, and recycling thus separated hydrogen halide to the dealkylation step.

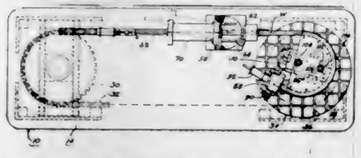
2,411,800
ELECTROMAGNETIC APPARATUS
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application December 3, 1940, Serial No. 368,412. Divided and this application October 15, 1942, Serial No. 462,204
3 Claims. (Cl. 175—341)

1. In electro-magnetic apparatus, a pair of axially spaced coils, an inner cylindrical shell enclosing said coils and provided with end walls, end pole-pieces fixed to said end walls respectively, a non-magnetic plunger slidably mounted in said end pole-pieces, a central pole-piece carried by said plunger and movable therewith between the confronting ends of said coils, an outer cylindrical shell fitting closely about the greater portion of said inner shell and extending axially beyond said inner shell to form a terminal chamber adjacent one end of said inner shell, said outer shell being formed with means extending longitudinally thereof and in spaced relation with the lesser portion of said inner shell for encasing the winding connections for both coils between



said shells and directing said connections into said chamber, whereby to insure protection of externally disposed adjacent radio equipment against reception-impairing interference.

2,411,801
METAL BENDING AND STRETCHING APPARATUS
James S. Nielsen, Stow, and Clyde B. Mitchella, Akron, Ohio, assignors to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application September 11, 1943, Serial No. 501,916
13 Claims. (Cl. 153—40)

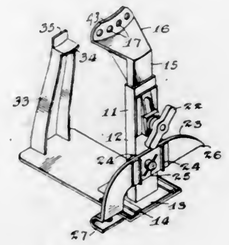


1. A combined stretching and bending machine for shaping elongated material into contours, comprising a rotatable bending means having the contour to which the material is to be bent, means movable with said bending means for gripping one end of said material, means for rotating said bending means, fluid pressure actuated stretching means adapted to grip said material at a point spaced from said bending means for imparting a stretch to the material as it is bent around the bending means, means mounting the stretching means for movement to and from the bending means, and means controlled by the rotating bending means for controlling the to and from position of the stretching means.

2,411,802
PURIFICATION OF AMINE REACTION MIXTURES
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 5, 1944, Serial No. 534,353
6 Claims. (Cl. 260—585)

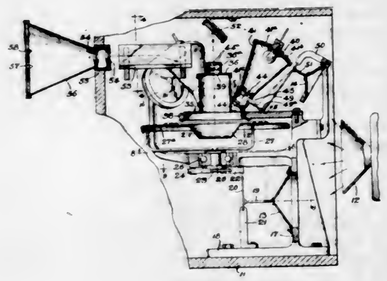
6. In the purification of amine-containing reaction mixtures resulting from reaction of a carbonyl compound chosen from the class consisting of aliphatic aldehydes and ketones with aminating agents and hydrogen, the process comprising mixing the crude reaction mixture containing the amine bases with an aqueous solution of an inorganic base and subsequently separating the amine bases from the resulting aqueous solution by distillation.

2,411,803
VEHICLE JACK
Percy F. Parrott, Toledo, Ohio, assignor, by direct and mesne assignments, to Loretta Parrott
Application June 28, 1945, Serial No. 602,015
7 Claims. (Cl. 254—94)



1. A device for elevating a vehicle, comprising an elongated member, a road-engaging base at one end of the member, means at the other end of the member for interlocking with a wheel of a vehicle for rotation therewith, with the base extending beyond the periphery of the wheel, means for adjustably and gradually shortening said member while the vehicle is elevated thereby, and a supporting post on said base in position to engage and support a portion of the vehicle when said member is shortened.

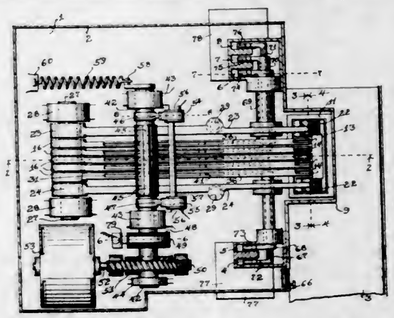
2,411,804
RADIO KALEIDOSCOPIC PROJECTOR
Leonard Z. Plebanek, Chicago, Ill.
Application January 8, 1944, Serial No. 517,596
16 Claims. (Cl. 88—24)



1. In a kaleidoscope, a screen, means for projecting a constantly changing pattern on said screen comprising a diaphragmatic tray, movable objects of different size and design in said tray, means including a diaphragm for rotating said tray, a plurality of light projecting units surrounding said tray at an elevation for casting light rays upon said objects for reflection therefrom, a differently colored film disk associated with each unit and adapted for movement into and out of the path of the rays of its unit, a diaphragm connected to each unit disk, each of said last mentioned diaphragms being responsive to different pitch of sound air waves emitted from a radio loud speaker.

2,411,805
COIN CONTROLLED MULTIPLE CERTIFICATE AND PRINTING MEANS
Adolphe C. Peterson, Minneapolis, Minn.
Application October 30, 1943, Serial No. 508,297
12 Claims. (Cl. 194—1)

1. In a coin controlled impression means, an impression element movable for impressing, an intermediary element movable from a first position to a second position to place said impression element in condition for impression movement, a main control element adapted to be actuated through a given cycle to effect impression movement of the impression element through said intermediary element when said intermediary element is in said second position and to effect restoration of said intermediary element to its first



position in sequence, means to normally retain said intermediary element in said first position and to effect movement of said intermediary element to said second position, a coin reception means interconnected with said last named means to effect therethrough the placing of said intermediary element in said second position, and a motor means to move said main control element through its cycle to effect the said impression movement through said intermediary element.

2,411,806
PURIFICATION OF ALUMINA
August H. Riesmeyer, Collinsville, and Walter H. Gitzen, Belleville, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 22, 1945, Serial No. 579,320
8 Claims. (Cl. 23—143)

1. The method of removing soda from alumina, comprising leaching the alumina with a hydrofluoric acid solution, and subsequently leaching the said alumina with a solution of another acid, said leaching operations being continued for a time insufficient for the said solutions to react with all of the alumina.

2,411,807
REMOVING SODIUM FROM ALUMINA
August H. Riesmeyer, Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 24, 1945, Serial No. 595,651
7 Claims. (Cl. 23—143)

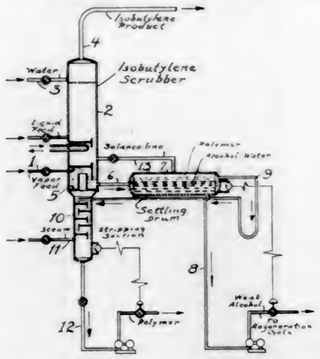
1. The method of removing soda from alumina precipitated from a solution containing a dissolved sodium compound comprising leaching the alumina with a solution containing hydrofluoric acid and another acid.

2,411,808

SEPARATION OF HYDROCARBONS FROM WATER MISCIBLE LIQUIDS BY DISTILLATION AND WASHING

Walter H. Rupp, Mountainside, and Richard O. Wright, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application July 14, 1943, Serial No. 494,654
8 Claims. (Cl. 202—39.5)



4. In the process of separating a normally gaseous hydrocarbon from a water-miscible organic liquid and a higher boiling hydrocarbon liquid immiscible in water in a fractionation zone, said normally gaseous hydrocarbon being removed from an upper portion of said fractionation zone and the hydrocarbon liquid being obtained in admixture with the water-miscible organic liquid at a lower portion of said fractionating zone, the improvement which comprises adjusting the dilution of said water-miscible organic liquid with water in said admixture to reject dissolved normally gaseous hydrocarbon substances therefrom, separating the hydrocarbon liquid from the diluted water-miscible organic liquid freed of the normally gaseous hydrocarbon that has been rejected therefrom, then stripping the separated hydrocarbon liquid to remove dissolved normally gaseous hydrocarbon therefrom, and recovering the resulting stripped hydrocarbon liquid.

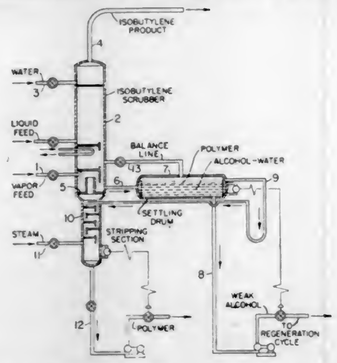
2,411,809

APPARATUS FOR SEPARATING FLUIDS

Walter H. Rupp, Mountainside, and Richard O. Wright, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Original application July 14, 1943, Serial No. 494,654. Divided and this application March 23, 1944, Serial No. 527,728
5 Claims. (Cl. 202—153)

1. Apparatus for separating one substance in vapor form from two immiscible liquid substances, comprising an elongated tower containing a fractionating zone, an intermediate liquid-liquid separating zone, and a stripping zone for bottoms from said fractionating zone, means for feeding into said fractionating zone near the bottom thereof a mixture of fluids to be separated, means for removing vapor from the top of said fractionating zone, means for conducting liquid bottoms from the fractionating zone into the separation zone, means for removing two separate liquids from the separation zone, means for conducting one of the liquids from said separation zone into the stripping zone, means for removing vapor and vapor-free liquid bottoms from said stripping zone, said apparatus also having means for supplying thereto supplementary fluid immiscible in the liquid state, with one of



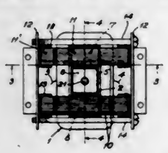
said two immiscible liquid substances, and with condensate of the substance to be removed in vapor form.

2,411,810

AUDIO REACTOR

Morris Sander, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application September 20, 1943, Serial No. 503,054
7 Claims. (Cl. 171—242)



1. A reactor comprising a coil form of insulating material having a central and two end compartments, said compartments being open-ended, in alignment and disposed in parallel relation, a coil of wire wound around the coil form in a direction transverse to the direction of the compartments, a fixed laminated iron core extending into each of the end compartments, and an adjustable powdered-iron core extending into the central compartment.

2,411,811

LIGHT-SENSITIVE MATERIALS

Donald Edward Sargent, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 1, 1945, Serial No. 575,737
18 Claims. (Cl. 95—6)

1. The process of producing a photoprinting material which comprises coating a solution of a light-sensitive N-nitroso-N-arylamide onto a suitable carrier and drying.

2,411,812

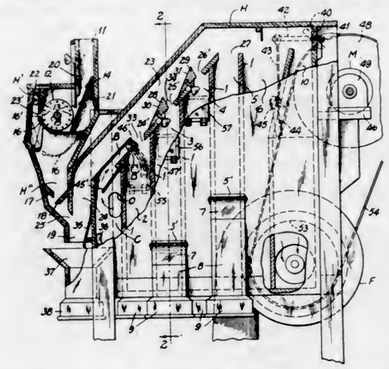
SEED ASPIRATOR FEEDER AND CLASSIFIER

Mathew Schiebendrein, St. Charles, Mo.

Application March 8, 1944, Serial No. 525,521
3 Claims. (Cl. 209—146)

1. In a seed grading machine that has a seed classifying housing, a feed hopper having a discharge outlet open to atmosphere and a passage

in communication with said housing, said hopper including a substantially closed chamber having an inlet spout extending therefrom and being open to atmosphere, said spout having a vertically inclined wall at its lower end that supports the seed and permits unimpeded movement of the seed into said chamber, a gate extending from said spout to a point adjacent to but spaced from said inclined wall to form with said wall an orifice through which the seed can pass into said chamber, said chamber having an outlet in the



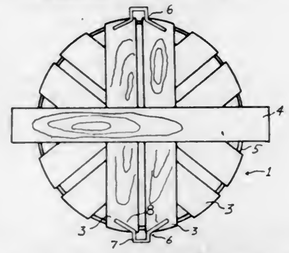
side wall thereof opposite to said orifice, and an agitating squirrel cage feed rotor in said chamber between the orifice and chamber outlet and having its surface lying closely adjacent to the inclined wall and bottom of the chamber, said rotor rotating in the direction of flow of the seed through said orifice and toward said chamber outlet, and a fan in said classifying housing drawing air through said discharge outlet of the hopper, across said passage and into the classifying housing.

2,411,813

METHOD AND APPARATUS FOR MANUFACTURE OF WIRE FASTENERS

Conrad B. Schwarz, Louisiana, Mo.

Original application October 7, 1941, Serial No. 413,997, now Patent No. 2,357,290, dated September 5, 1944. Divided and this application January 5, 1944, Serial No. 517,052
2 Claims. (Cl. 140—93)



1. A method of forming and attaching a protruding wire side fastener to the top of a slatted cover for a bushel basket or the like which comprises cutting a piece of wire to proper length, causing the wire to bend so as to form a V-like shape with a flat base, forcing the flat base between two parallel plates in a direction parallel to the surfaces of said plates, said base being held perpendicular to said surfaces thereby forming a U-shaped loop at the vertex of the angle made by the V-shaped arms, bending the ends of the arms in an opposite direction but horizontal position while maintaining the entire shape in one plane, then bending the ends of the arm downward perpendicular to said plane, forcing the perpendicular ends through the top of the slatted cover adjacent to the inner circumference of its marginal hoop and bringing said ends under and around said marginal hoop to the outside, thereby fastening said wire-wide fastener to said cover.

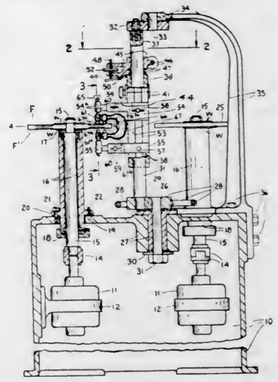
2. A machine for forming and attaching a new and improved wire fastener to a slatted cover for a bushel basket or the like which comprises in combination a cutter, means for bending a wire so as to first form a V-like shape with a flat base, means for forcing the wire between two plates with parallel surfaces in a direction parallel to said surfaces while holding the base perpendicular to said surfaces, thereby forming a U-like loop at the vertex of the angle formed by the V-like arms, means for bending the ends of said arms first into a horizontal position whereby they extend in opposite directions and the entire shape is in one plane and then bending said ends downward along the line perpendicular to said plane, means for holding said shaped wire fastener in a stationary position with the ends of each arm projecting downward, an anvil shaped so as to hold in position a slatted cover and provided with two clinch pins designed so that they may be raised from below, means for raising the anvil so that the ends of the wire fastener may be driven through the slatted cover, means for then bringing up the clinch pins from below so as to clinch the wire around the marginal hoop of said slatted cover, thereby fastening said wire fastener to said cover.

2,411,814

GAUGE FINISHING

Lino Scusa, Phoenix, N. Y.

Application September 26, 1944, Serial No. 555,825
12 Claims. (Cl. 51—124)



1. An apparatus for grinding first one and then the other of two opposed work-contact faces of a snap or like gauge to bring said faces into parallelism, comprising a frame, a grinding wheel mounted in the frame for rotation about a fixed axis and held against axial movement, said wheel having at opposite sides thereof two parallel grinding faces lying in planes normal to the wheel axis and spaced apart a lesser distance than the work-contact faces of a gauge to be ground, means for rotating the grinding wheel, a conversely turnable support held to the frame against axial movement and for turning of the support about a fixed axis which is parallel to the wheel

axis, and means to hold a gauge to the support for movement of the gauge past said wheel with its work-contact faces straddling the wheel between the wheel and support axes, said means being mounted on the support to turn therewith and for adjustment of said means axially of the support for grinding of only one of said gauge faces at a time, and said support being conversely turnable to carry a gauge held by said means entirely clear of the wheel in both directions of turning of the support.

2,411,815

SOLUTIONS OF ORGANIC MERCURY COMPOUNDS

Frank J. Sowa, Cranford, N. J.

No Drawing. Application May 31, 1943, Serial No. 489,244
5 Claims. (Cl. 167—30)

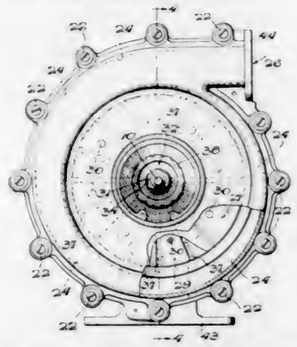
1. A solution of a phenyl mercury compound in an aqueous solvent containing from about 1 to 20 parts by weight of a salt selected from the group consisting of ammonium sulfate, ammonium carbonate, tri-ammonium phosphate, di-ammonium phosphate, mono-ammonium phosphate, ammonium borate, ammonium tetra-borate, ammonium citrate, ammonium oxalate, ammonium lactate, ammonium formate, ammonium acetate, and ammonium gluconate, together with sufficient ammonium hydroxide to maintain the pH value of the solution above 7, the amount of the phenyl mercury compound in solution exceeding the amount soluble in the aqueous solvent of the solution.

2,411,816

CENTRIFUGAL BLOWER

Walter D. Teague, Jr., Alpine, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application May 16, 1944, Serial No. 535,868
2 Claims. (Cl. 230—127)



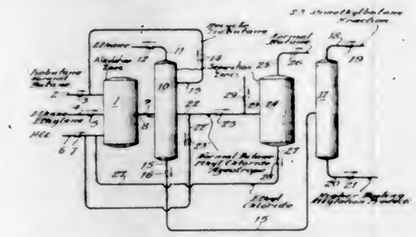
1. A device of the character described, comprising, in combination, a two part circular rotor, a hub portion formed on one of said parts, said hub portion surrounded by an annular pocket formed in said one part, an annular orifice formed in the other part of said two part rotor, said hub portion projecting through said annular orifice, said first and second parts of said rotor having recessed portions cooperating to form a plurality of passages radially extending from said pocket and annular orifice, the passages opening at the circumferential edge of said circular rotor, means fastening the parts of said two part rotor together, a housing having a first and a second part for enclosing said rotor, said first and second housing parts having recessed portions forming a scroll type diffusion chamber into which the passages of said rotor open, means for fastening said first and second housing parts together, a driving shaft affixed to said hub portion for rotatably mounting said rotor within said housing, and an annular air inlet opening passing through one part of said housing into said rotor opening, the surfaces defining the inlet and rotor openings being so formed that the area normal to the air stream progressively decreases so as to smoothly accelerate the air flow to said impeller passages through said air inlet, an annular flange projecting outwardly from the one part of said housing and surrounding said annular air inlet opening, and a screen mounted in said flange through which the air may be drawn directly from the atmosphere.

2,411,817

PARAFFIN ALKYLATION PROCESS

Ralph B. Thompson and Joseph A. Chenicek, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 30, 1943, Serial No. 504,462
10 Claims. (Cl. 260—683.4)



1. An alkylation process which comprises introducing isobutane and an ethane-ethylene fraction to a reaction zone and therein reacting a substantial portion of the ethylene with isobutane in the presence of an aluminum chloride catalyst, supplying to said zone an amount of hydrogen chloride not substantially in excess of that which will react with the remainder of said ethylene and therein reacting substantially all of the hydrogen chloride with ethylene to form ethyl chloride in the reaction zone, removing the reaction products from said zone and separating ethyl chloride from the hydrocarbon alkylate and the ethane content of said fraction, and recycling thus separated ethyl chloride to the reaction zone, the amount of ethyl chloride formed in and recycled to said zone being sufficient to promote the isobutane alkylating reaction therein.

2,411,818

PROCESS FOR TREATING CELLULOSE-CONTAINING TEXTILES

Ernst Weiss, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 8, 1944, Serial No. 517,580. In Switzerland October 20, 1941
6 Claims. (Cl. 8—115.6)

1. A process for treating cellulose fibres, which comprises, impregnating the fibres with a formaldehyde solution having a formaldehyde content of less than 10% but more than about 2% in the presence of an acid catalyst having a dissociation constant of at least 1×10^{-4} to about 3×10^{-1} and in the presence of an aldehyde-reactive agent selected from the group consisting of animal and vegetable colloids and their colloidal film-forming conversion products capable, when heated with formaldehyde, of forming reaction products insoluble or slightly soluble in water, heating the so-treated fibres at about 70°–160° C. until the fibres are proof against shrinkage, and discontinuing the treatment before the fibres have been rendered substantially crease-proof and before they show any substantial resistance to swelling in the usual cuprammonium hydroxide solution.

2,411,819

METHOD OF PRODUCING DRY METAL SULFONATES OF IMPROVED OIL SOLUBILITY

Earl Amott, Berkeley, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application September 4, 1943, Serial No. 501,339
7 Claims. (Cl. 252—363.5)

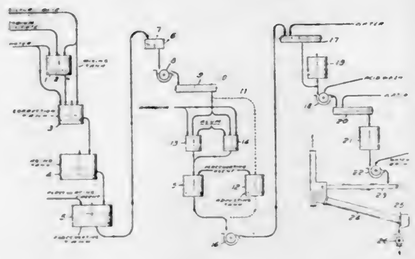
1. A method of producing dry metal sulfonates of improved oil solubility from an oil solution of said sulfonates, which comprises adding to said solution an oil soluble high molecular weight hydrocarbon material which is substantially insoluble in liquid propane at about 190° F. in an amount sufficient to improve substantially the oil solubility of said sulfonates, agitating the resulting mixture and heating it to a temperature between about 120° F. and about 204° F., in the presence of a liquefied normally gaseous hydrocarbon, whereby two phases are formed, one a liquid phase comprising substantially sulfonate-free oil dissolved in said normally gaseous hydrocarbon and the other a solid phase comprising the desired dry sulfonates containing said high molecular weight hydrocarbon material, settling and separating said phases.

2,411,820

MANUFACTURE OF CATALYSTS

Kenneth D. Ashley, Noroton, and Alphons O. Jaeger, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application September 22, 1942, Serial No. 459,262
2 Claims. (Cl. 252—250)



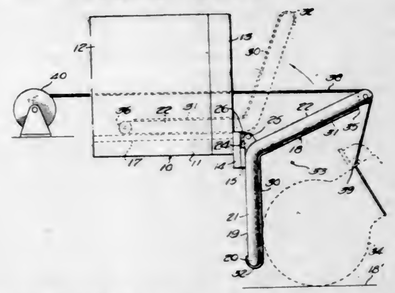
1. A method of preparing a silica-containing catalyst which comprises the steps of neutralizing an aqueous alkali metal silicate solution by the addition of an acid to form an aqueous slurry of gelatinous silica containing alkali metal salts, aging the slurry, adding glue to flocculate the silica, and separating the alkali metal salts by dewatering and washing.

2,411,821

LOADING DEVICE

Samuel C. Cheat, North Bend, Oreg., assignor of one-tenth to Ben C. Flaxel, North Bend, Oreg.

Application February 1, 1945, Serial No. 575,655
7 Claims. (Cl. 214—77)



1. A device for elevating a load to a platform or the like comprising a body horizontally angled intermediate its ends to form a load-receiving pocket, means for supporting said body adjacent the angle therein for swinging movement on a horizontal axis adjacent one end of said platform, said body being adapted to assume an initial position with one end of said body extending downwardly from said turning axis with the other end of said body extending generally away from said end of the platform, and a cable adapted to pass over the second named end of said body at a point remote from said pivot axis and then downwardly around a load for connection therewith whereby a pulling force on said cable when said body is in said position will move the load relative to said body into said pocket and thereafter swing said body to move the second named end thereof into a position directly over said platform.

2,411,822

LIQUID PHASE DIMERIZATION

Thomas F. Doumani, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application March 23, 1943, Serial No. 480,219
4 Claims. (Cl. 260—666)

1. A process for the production of a dimer of a conjugated diolefin containing fewer than about 7 carbon atoms which comprises subjecting the hydrocarbon mixture containing said diolefin as well as a mono-olefin having approximately the same boiling point, to a temperature above the critical temperature of said diolefin and a pressure above the critical pressure of said diolefin, in the presence of a liquid straight-run petroleum distillate fraction boiling above the gasoline range, whereby the reaction mixture is maintained substantially in the liquid phase, and said diolefin is dimerized without substantial polymerization of said mono-olefin.

2,411,823

CATALYTIC PROCESS

Thomas F. Doumani, Long Beach, and Joseph F. Cuneo, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application December 13, 1943, Serial No. 514,106
8 Claims. (Cl. 260—597)

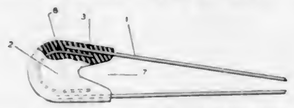
1. A process for the production of unsaturated ketones which comprises reacting an olefin with

an acid anhydride of a saturated aliphatic carboxylic acid of not more than four carbon atoms in the presence of a catalyst comprising acetyl sulfoacetic acid.

2,411,824
METHOD OF PREPARING A DRY SIZE
James K. Farrell, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 14, 1945, Serial No. 593,759
6 Claims. (Cl. 260—105)

1. A method of preparing a saponified rosin dry size in the form of discrete, free-flowing, readily water-soluble particles and having a high apparent density in bulk, which comprises the step of discharging an aqueous mixture comprising saponified rosin and containing not less than 22 and up to about 30% by weight of water, based on the weight of saponified rosin and water, at a temperature of from about 340° to about 380° F. and under a pressure of from about 110 to about 200 pounds per square inch, into a drying atmosphere maintained at substantially atmospheric pressure and at a temperature of from about 240° to about 325° F., thereby obtaining the saponified rosin dry size in a finely-divided form containing not over about 8% moisture and having an apparent density in bulk of from about 20 to about 35 pounds per cubic foot.

2,411,825
TWEEZERS
George M. Ferguson, Portland, Oreg.
Application December 11, 1943, Serial No. 513,872
3 Claims. (Cl. 81—43)



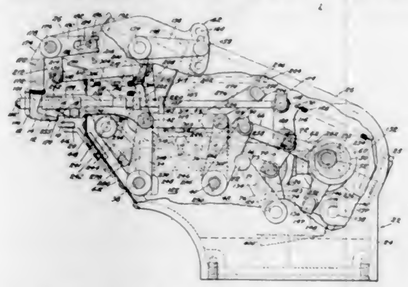
1. Tweezers comprising a rubber head member, a pair of blade members, one end of each blade being embedded in the head with the other ends thereof in registry alignment, said blades spaced apart by the head and held apart at their opposite ends by reason of placement in the head, said head member being resilient and having a space in the interior thereof between the blades adapting it to yield to pressure on the blades to bring the blades into contact.

2,411,826
HALOACETALS
Edward M. Filachione, Philadelphia, Pa., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 27, 1943, Serial No. 504,061
16 Claims. (Cl. 260—615)

1. A method of preparing a halo acetal which comprises introducing an elemental halogen selected from the group consisting of bromine and chlorine into a mixture of vinyl acetate and an alcohol.

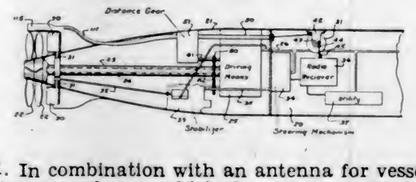
2,411,827
LASTING MACHINE
Joseph Fossa, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 26, 1944, Serial No. 560,382
25 Claims. (Cl. 12—1)

1. A lasting machine having, in combination, means for engaging the bottom of a shoe adjacent to the marginal edge thereof, and means for seizing the lasting margin of the stock to be lasted and for pulling it over in contact with the shoe-bottom-engaging means and in a direction



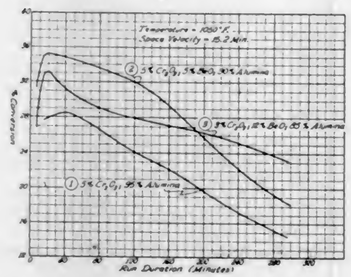
substantially parallel to the bottom of the shoe thereby to tension the stock in a direction normal to the bottom of the shoe and to draw the lasting margin inwardly over the shoe bottom.

2,411,828
ANTENNA RELEASE MECHANISM
John Hays Hammond, Jr., Gloucester, Mass.
Application February 15, 1928, Serial No. 254,541
10 Claims. (Cl. 114—21)



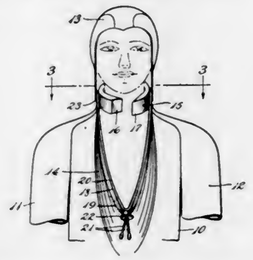
1. In combination with an antenna for vessels, a storage reel upon which the antenna is initially positioned, and means for releasing said antenna at a predetermined time and means for adjusting said last mentioned means whereby said predetermined time may be varied.

2,411,829
CATALYSTS
Hal C. Huffman, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 25, 1942, Serial No. 456,009
5 Claims. (Cl. 252—211.5)



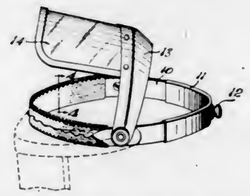
1. A catalyst consisting of approximately 1 to 15% beryllia, approximately 1 to 10% of an oxide of a metal selected from the left-hand column of the sixth group of the periodic table and the remainder an "activated alumina."

2,411,830
PROTECTIVE CLOTHING
Carroll P. Krupp, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 13, 1943, Serial No. 514,007
9 Claims. (Cl. 2—82)



1. Protective clothing having an opening for accommodating the wearer, said clothing at the opening comprising a margin of flexible material and a sealing pad element partially attached to said margin leaving a portion of said pad element unattached to said margin so as to be freely adjustable with respect thereto, said pad element comprising a strip of relatively yieldable material presenting an inner sealing face of the yieldable material to the wearer.

2,411,831
DETACHABLE SWEATBAND
William H. Lehmberg, Riverside, Conn., and Ernest L. Johnson, Port Chester, N. Y.
Application June 19, 1946, Serial No. 677,724
3 Claims. (Cl. 2—181)

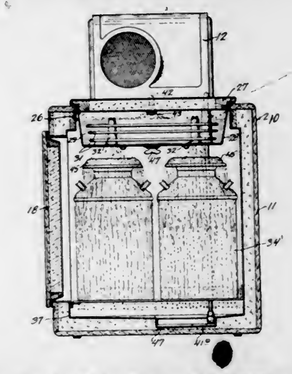


1. A detachable sweat band in combination with a bowed resilient supporting member, the band comprising a felt body strip, and cover strips sewn to the two edges of one face of the said body strip, extending oppositely in overlapping relation and being tensioned upon the convex face of the supporting member while the felt body strip is conformed to its concave face.

2,411,832
WATER-INSOLUBLE SOAPS
Hooper Linford, Manhattan Beach, and William J. Baral, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application July 27, 1942, Serial No. 452,418
7 Claims. (Cl. 260—438)

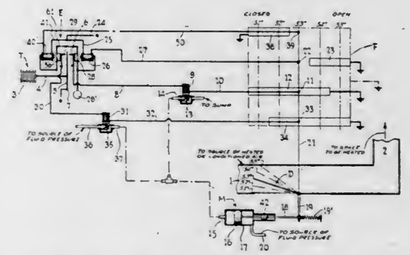
1. A process for preparing a relatively water insoluble metal soap of an organic acid which is also capable of forming a relatively water soluble soap of a second metal, which consists in adding a solid granular salt of said first metal, with agitation, to a water solution of a water soluble soap of said acid and said second metal so as to form said relatively water insoluble soap of said acid and said first metal by metathesis, allowing the reaction mixture to separate into an aqueous phase and an insoluble soap phase, separating said phases and then separating water and solid inorganic impurities from said insoluble soap phase.

2,411,833
REFRIGERATING APPARATUS
Alexander F. McMahon, Oak Park, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application July 3, 1943, Serial No. 493,369
10 Claims. (Cl. 62—141)



1. A method of storing and utilizing refrigeration within a cabinet for cooling a product which comprises congealing a cooling liquid in a receptacle within the cabinet while maintaining said cabinet at a lowered temperature, then when an uncooled product is inserted within said cabinet spraying a liquid over said congealed liquid and said uncooled product for abstracting heat from said uncooled product, and simultaneously cooling said product by causing the air in said cabinet to circulate by convection, first across the container for the congealed liquid and then over the container for said product.

2,411,834
DAMPER CONTROL
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y., a corporation of New York
Application July 15, 1944, Serial No. 545,039
3 Claims. (Cl. 236—84)



1. A damper regulator, including, in combination: a source of fluid pressure; a differential

piston motor including two different sized pistons connected to a common piston rod; the source of fluid pressure permanently connected to the motor between the pistons; a duct connected to a source of heated air and connected to a space to be heated; a damper in the duct connected to the motor piston and operable thereby; a thermostatic device in the space to be heated; a first means for relieving fluid pressure on one side of the larger of the differential pistons; a second means for applying fluid pressure on the same side and means controlled jointly by the thermostatic device and the motor for controlling said first and second named means.

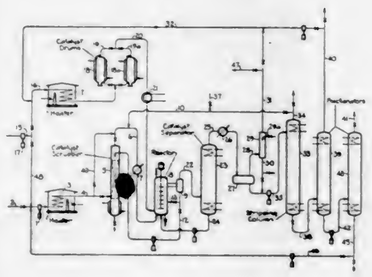
2,411,835

ISOMERIZING HYDROCARBONS

William E. Ross, Berkeley, and George J. Carlson, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application March 14, 1944, Serial No. 526,406

9 Claims. (Cl. 260—683.5)



1. In a process for converting normal pentane to isopentane wherein normal pentane is contacted in admixture with a hydrogen halide promoter at isomerizing conditions with an isomerization catalyst comprising aluminum chloride in a reaction zone, and effluence from the reaction zone is passed into a product separating zone, the combination of steps which comprise using as the isomerization catalyst a fluid melt consisting of molten antimony trichloride containing up to about 2% by weight of aluminum chloride, maintaining a ratio of fluid melt to hydrocarbons to be isomerized in the reaction zone in the range of from about 1:1 to about 1:5, separately withdrawing spent catalyst from the reaction zone substantially as rapidly as formed therein, passing a solvent comprising paraffinic hydrocarbons having four carbon atoms to the molecule through an aluminum chloride-containing vessel in the substantial absence of hydrogen halide promoter, thereby dissolving aluminum chloride in said solvent, passing solvent comprising dissolved aluminum chloride from said aluminum chloride-containing vessel to the reaction zone in controlled amount to introduce aluminum chloride into the reaction zone at a rate substantially equal to the rate at which aluminum chloride is removed therefrom in said spent catalyst, separating said solvent from reaction products and hydrogen halide in the product separating zone, and passing solvent free of any substantial amount of hydrogen halide from the product separating zone to said aluminum chloride-containing vessel.

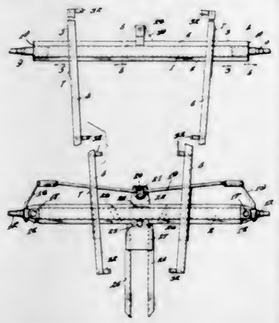
2,411,836

VEHICLE RUNNING GEAR

Wallace H. Seckel, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation of Ohio

Application November 17, 1944, Serial No. 563,855

5 Claims. (Cl. 280—80)



1. A vehicle running gear, comprising: a front axle and a rear axle, said axles, each of channel beam form in cross-section and having its opposite side walls, each terminating with a lateral outwardly extended flange, a pair of sills extending longitudinally of the running gear resting upon and fixed to said axles and brackets connecting said axles and sills, each respectively at an intersection thereof, each bracket having a plate section extending transversely across the top of the axle in parallelism with and connected to the sill and a pair of brace wings depending from the plate section and extending laterally each respectively from a relative side of the axle and permanently fixed thereto.

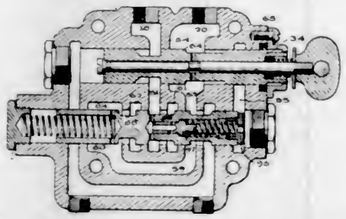
2,411,837

FULL CYCLE HYDRAULIC VALVE

William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio

Application September 28, 1944, Serial No. 556,191

15 Claims. (Cl. 60—52)



1. The combination with a double acting hydraulic press or the like having a piston capable of limited movement in loading and unloading directions, a pump for delivering liquid under pressure and a tank or reservoir for liquid, of a full cycle hydraulic valve comprising a housing having a port for connection to the pump outlet, a port for connection to the tank and two bores, an operating plunger reciprocably mounted in one bore, a control plunger reciprocably mounted in the other bore, means biasing said plunger to one end of its bore, each plunger having lands and grooves, each bore being intersected by passages and ducts from said ports controllable and variously connectable by said grooves, a relief valve always connected by one of said ducts with the pump port, means to bias said relief valve shut and means to conduct liquid discharged from the relief valve when the pump pressure becomes excessive to said end of the second bore beyond the control plunger to move the same against said bias.

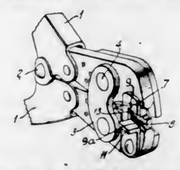
2,411,838

TOOL

Robert C. Swengel, Harrisburg, Pa., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa., a corporation of Pennsylvania

Application February 5, 1944, Serial No. 521,219

3 Claims. (Cl. 81—15)



1. In a crimping tool for securing a terminal having a ferrule to a wire or the like, the combination with a pair of jaws movable one toward the other and defining a forming recess therebetween and each being provided with a ferrule-coining die portion in opposed relation to a corresponding die portion of the other, of a ferrule positioning guide plate supported by one of said jaws and having a ferrule engaging stop portion arranged in laterally overlapping relation to said forming recess; said stop portion having an edge substantially parallel to and spaced from the die portion of the supporting jaw by an amount slightly less than the over-all cross-sectional height of a ferrule to be crimped.

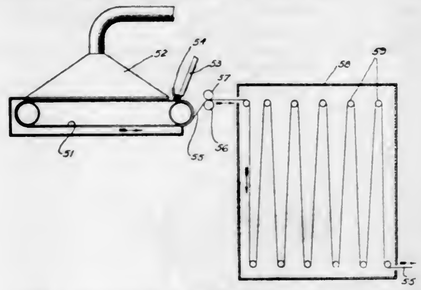
2,411,839

COMPOUNDING RUBBER HYDROHALIDES, ETC.

William C. Calvert, Chicago, Ill., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application March 26, 1937, Serial No. 133,172

19 Claims. (Cl. 260—738)



1. The method of making a homogeneous thermoplastic composition adapted for molding, calendering and the like, which comprises milling a halogen containing rubber derivative with a basic substance of such character and in such amount as to retard heat disintegration of the halogen containing rubber derivative.

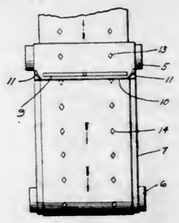
2,411,840

COMPOUNDING RUBBER HYDROHALIDES, ETC.

William C. Calvert, Gary, Ind., assignor to Wingfoot Corporation, Wilmington, Del., and Akron, Ohio, a corporation of Delaware

Original application March 26, 1937, Serial No. 133,172. Divided and this application August 2, 1946, Serial No. 687,897

4 Claims. (Cl. 260—738)



1. A composition of matter comprising a rubber hydrohalide and litharge.

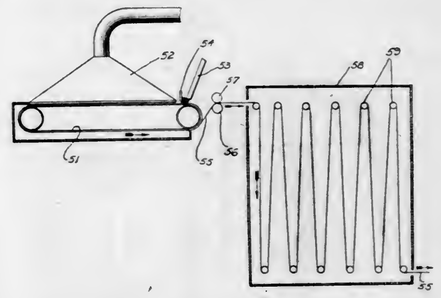
2,411,841

COMPOUNDING RUBBER HYDROHALIDES, ETC.

William C. Calvert, Gary, Ind., assignor to Wingfoot Corporation, Wilmington, Del., and Akron, Ohio, a corporation of Delaware

Original application March 26, 1937, Serial No. 133,172. Divided and this application August 2, 1946, Serial No. 687,898

7 Claims. (Cl. 260—735)



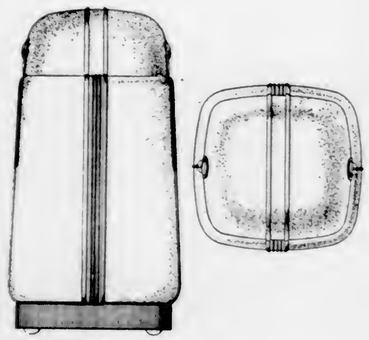
1. The method of producing a molded rubber hydrochloride derivative which comprises subjecting rubber hydrochloride and sulfur to vulcanization temperature in a press.

DESIGNS

NOVEMBER 26, 1943

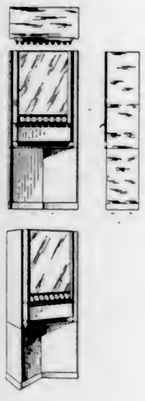
145,963
DESIGN FOR A LUBRICATING EQUIPMENT CABINET
Francis Lawrence Ayres, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 16, 1945, Serial No. 123,823
Term of patent 14 years
(Cl. D52—2)





The ornamental design for a lubricating equipment cabinet, substantially as shown and described.

145,964
DESIGN FOR A VENDING MACHINE
Walter Baermann, New York, N. Y.
Application January 4, 1946, Serial No. 125,267
Term of patent 3½ years
(Cl. D52—3)



The ornamental design for a vending machine, as shown.

145,965
DESIGN FOR A FOLDING SERVING TABLE
Hollis S. Baker, Grand Rapids, Mich., assignor to Baker Furniture, Inc., Grand Rapids, Mich., a corporation of Michigan
Application August 20, 1945, Serial No. 121,500
Term of patent 7 years
(Cl. D33—14)



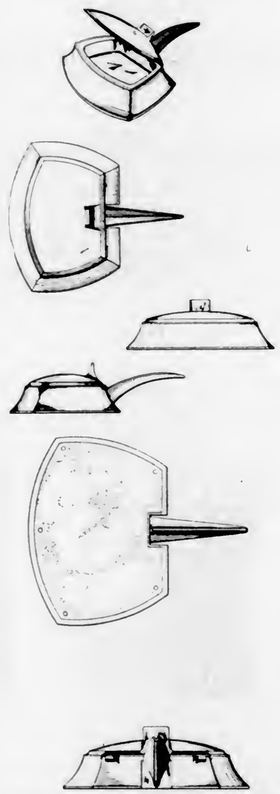
The ornamental design for a folding serving table, as shown.

145,966
DESIGN FOR AN EXTENSION SERVING TABLE
Hollis S. Baker, Grand Rapids, Mich., assignor to Baker Furniture, Inc., Grand Rapids, Mich., a corporation of Michigan
Application August 20, 1945, Serial No. 121,501
Term of patent 7 years
(Cl. D33—14)



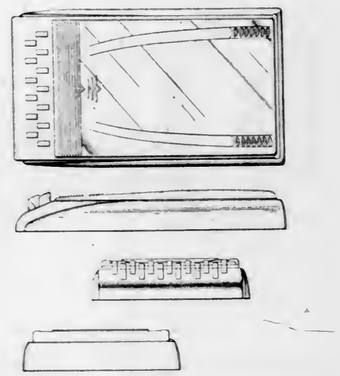
The ornamental design for an extension serving table, as shown.

145,967
DESIGN FOR A SILENT BUTLER
Wade E. Ballard, Los Angeles, Calif., assignor to Modern Plastic Co., Los Angeles, Calif., a partnership
Application January 26, 1946, Serial No. 125,992
Term of patent 7 years
(Cl. D85—5)



The ornamental design for a silent butler, as shown.

145,968
DESIGN FOR A TELEPHONE-ADDRESS INDEX OR SIMILAR ARTICLE
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application July 2, 1946, Serial No. 131,256
Term of patent 14 years
(Cl. D74—1)



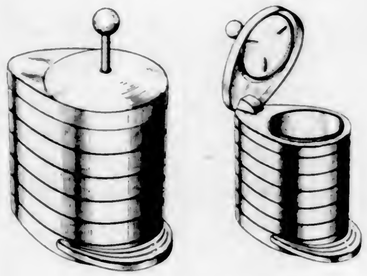
The ornamental design for a telephone-address index or similar article, substantially as shown.

145,969
DESIGN FOR A RAINCOAT OR SIMILAR ARTICLE
Egon Bernath, New York, N. Y.
Application June 17, 1946, Serial No. 130,765
Term of patent 3½ years
(Cl. D3—4)



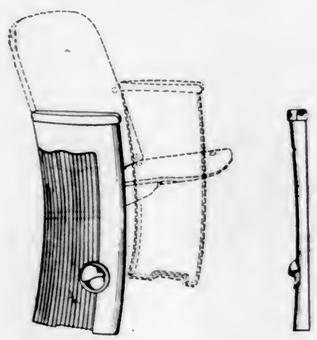
The ornamental design for a raincoat or similar article, substantially as shown.

145,970
DESIGN FOR A WASTE RECEPTACLE
Samuel Bloomfield, Wichita, Kans., assignor to C. Earl Hovey, trustee, Kansas City, Mo.
Application December 22, 1945, Serial No. 124,960
Term of patent 14 years
(Cl. D58—17)



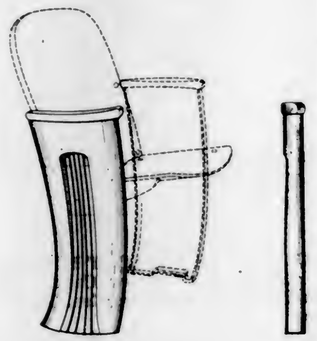
The ornamental design for a waste receptacle, as shown.

145,971
DESIGN FOR A CHAIR STANDARD
Willard H. Bond, Jr., Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 22, 1945, Serial No. 121,555
Term of patent 14 years
(Cl. D15—8)



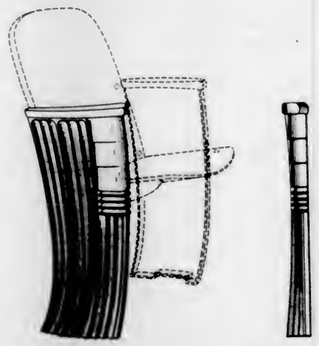
The ornamental design for a chair standard, substantially as shown and described.

145,972
DESIGN FOR A CHAIR STANDARD
Willard H. Bond, Jr., Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 22, 1945, Serial No. 121,556
Term of patent 14 years
(Cl. D15—8)



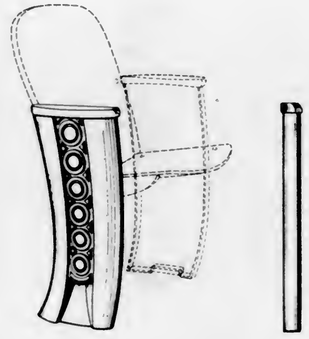
The ornamental design for a chair standard, substantially as shown and described.

145,973
DESIGN FOR A CHAIR STANDARD
Willard H. Bond, Jr., Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 22, 1945, Serial No. 121,557
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a chair standard, substantially as shown and described.

145,974
DESIGN FOR A CHAIR STANDARD
Willard H. Bond, Jr., Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 22, 1945, Serial No. 121,558
Term of patent 14 years
(Cl. D15—8)



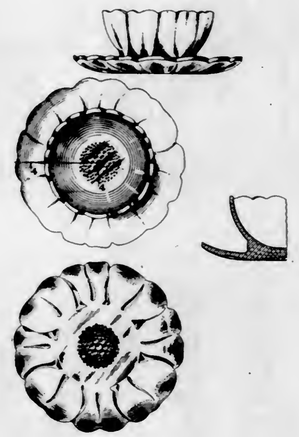
The ornamental design for a chair standard, substantially as shown and described.

145,975
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application October 29, 1945, Serial No. 123,264
Term of patent 14 years
(Cl. D58—26)



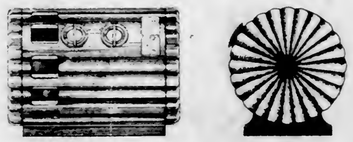
The ornamental design for a container cap, substantially as shown.

145,976
DESIGN FOR A GLASS DESSERT PLATE OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application January 17, 1946, Serial No. 125,640
Term of patent 14 years
(Cl. D44—15)



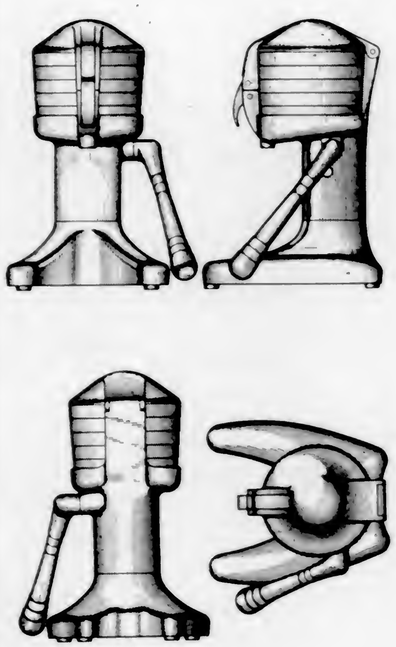
The ornamental design for a glass dessert plate or article of similar nature, substantially as shown.

145,977
DESIGN FOR A RADIO CABINET
Raymond Jenkins, New York, N. Y., assignor, by mesne assignments, to Milton Flamm, Forest Hills, N. Y.
Application December 8, 1945, Serial No. 124,524
Term of patent 14 years
(Cl. D56—4)



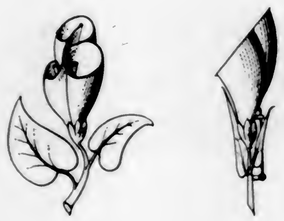
The ornamental design for a radio cabinet, substantially as shown and described.

145,978
DESIGN FOR A JUICE EXTRACTOR
Herbert C. Johnson, Wilmette, Ill.
Application January 8, 1946, Serial No. 125,355
Term of patent 14 years
(Cl. D89—1)



The ornamental design for a juice extractor, as shown.

145,979
DESIGN FOR A PIN
Ralph Kestler, Corona, N. Y.
Application February 14, 1946, Serial No. 126,561
Term of patent 3½ years
(Cl. D45—19)



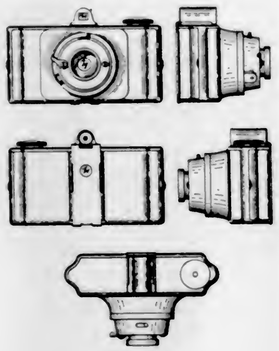
The ornamental design for a pin, as shown.

145,980
DESIGN FOR A BOTTLE CLOSURE
Leo M. Mallick, Chicago, Ill.
Application December 29, 1945, Serial No. 125,140
Term of patent 7 years
(Cl. D58—10)



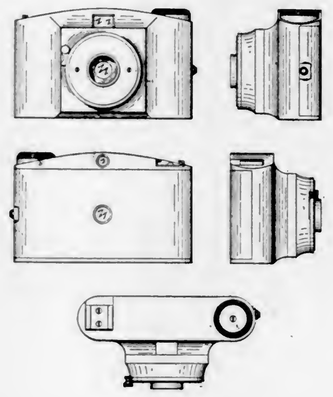
The ornamental design for a bottle closure, as shown.

145,981
DESIGN FOR A CASE FOR A CAMERA
Bruno Mayer, New York, N. Y.
Application June 1, 1946, Serial No. 130,313
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a case for a camera, substantially as shown.

145,982
DESIGN FOR A CASE FOR A CAMERA
Bruno Mayer, New York, N. Y.
Application June 1, 1946, Serial No. 130,314
Term of patent 14 years
(Cl. D61—1)

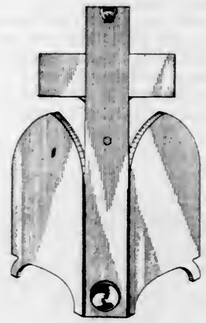


The ornamental design for a case for a camera, substantially as shown.

145,983
DESIGN FOR A SHRINE
Allen S. Powell, Wilkes-Barre, Pa.
Application April 2, 1946, Serial No. 128,203
Term of patent 14 years
(Cl. D29—23)

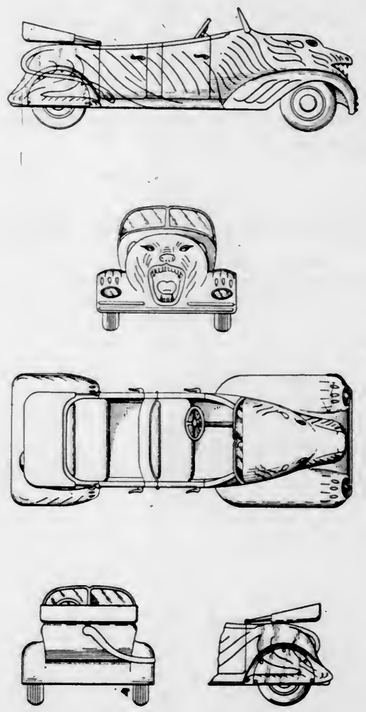


145,983—Continued



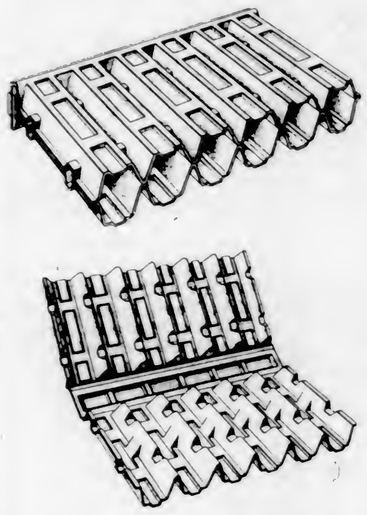
The ornamental design for a shrine, as shown.

145,984
DESIGN FOR AN AUTOMOBILE
Willie Reed, Memphis, Tenn., assignor of one-half to C. C. Jackson, Memphis, Tenn.
Application November 20, 1945, Serial No. 123,929
Term of patent 7 years
(Cl. D14—3)



The ornamental design for an automobile, as shown and described.

145,985
DESIGN FOR PACKING MATERIAL FOR FRAGILE ARTICLES
Ernest L. Shepard, Fairfield, Maine, assignor by mesne assignments, to The Coval National Bank of Portland, Portland, Maine, a national banking association, and William B. Nulty, Portland, Maine, as trustees
Application August 24, 1945, Serial No. 121,606
Term of patent 14 years
(Cl. D58—16)



The ornamental design for packing material for fragile articles, as shown.

145,986
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Murray Sices, Lynbrook, N. Y.
Application September 7, 1946, Serial No. 133,127
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket or similar article, substantially as shown.

145,987
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Murray Sices, Lynbrook, N. Y.
Application September 7, 1946, Serial No. 133,128
Term of patent 3½ years
(Cl. D3—4)



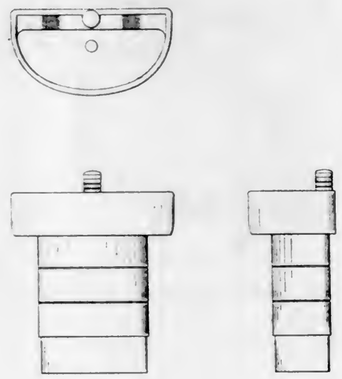
The ornamental design for a jacket or similar article, substantially as shown.

145,988
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Murray Sices, Lynbrook, N. Y.
Application September 7, 1946, Serial No. 133,129
Term of patent 3½ years
(Cl. D3—4)



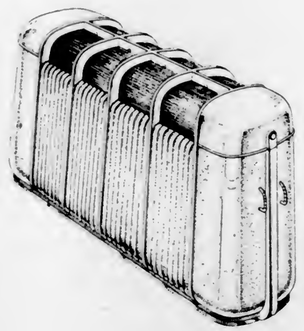
The ornamental design for a jacket or similar article, substantially as shown.

145,989
DESIGN FOR A WASHFOUNTAIN
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Bradley Washfountain Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 25, 1946, Serial No. 125,981
Term of patent 14 years
(Cl. D4—2)



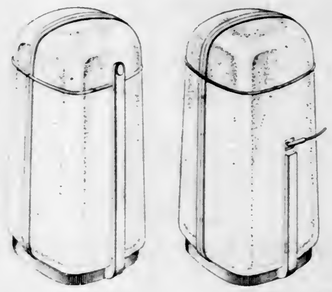
The ornamental design for a washfountain, as shown.

145,990
DESIGN FOR A LUBRICATING EQUIPMENT CABINET
John Tjaarda, Grosse Pointe Shores, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 21, 1945, Serial No. 123,949
Term of patent 14 years
(Cl. D52—2)



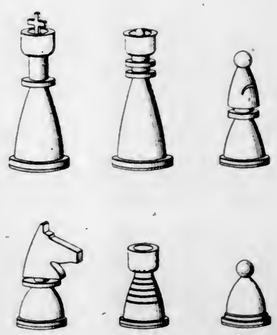
The ornamental design for a lubricating equipment cabinet, substantially as shown and described.

145,991
DESIGN FOR A LUBRICATING EQUIPMENT CABINET
John Tjaarda, Grosse Pointe Shores, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 21, 1945, Serial No. 123,950
Term of patent 14 years
(Cl. D52—2)



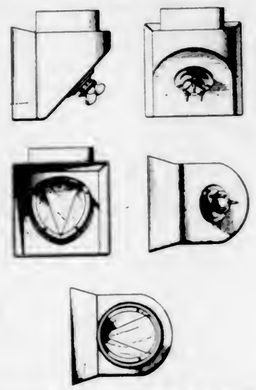
The ornamental design for a lubricating equipment cabinet, substantially as shown.

145,992
DESIGN FOR A SET OF CHESSMEN
Melvin Tuch, Milford, Conn.
Application December 15, 1945, Serial No. 124,786
Term of patent 7 years
(Cl. D34—5)



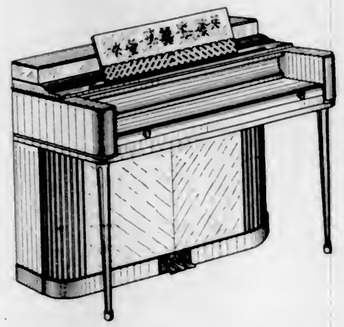
The ornamental design for a set of chessmen, as shown.

145,993
DESIGN FOR AN OPTICAL UNIT
Robert Hudson Wager, Maplewood, N. J.
Application December 4, 1945, Serial No. 124,346
Term of patent 14 years
(Cl. D57—1)



The ornamental design for an optical unit, as shown.

145,994
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application January 24, 1946, Serial No. 125,914
Term of patent 3½ years
(Cl. D56—9)



The ornamental design for a piano, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aerial Products, Inc., Merrick, Long Island, N. Y. Flares for lighting, signal, and other purposes. Serial No. 498,478; Nov. 26. Class 9.

Alpha Epsilon Delta, Detroit, Mich. Official publication. Serial No. 491,539; Nov. 26. Class 38.

American Basic Chemicals, Inc., Baltimore, Md. Washing and cleaning compounds. Serial No. 498,877; Nov. 26. Class 4.

American Brake Shoe Company, New York, N. Y., and St. Louis, Mo. Driving box bearings; rod brasses and bushings; crosshead shoes; etc. Serial No. 493,995; Nov. 26. Class 23.

American Seating Company, Grand Rapids, Mich. Theatre chairs. Serial No. 508,641; Nov. 26. Class 32.

Arcady Farms Milling Company, Chicago, Ill. Column or section in a periodically issued, printed publication. Serial No. 486,737; Nov. 26. Class 38.

Arco Metalcraft Inc., New York, N. Y. Plastic boxes. Serial No. 510,049; Nov. 26. Class 2.

Aristocrat Leather Products, Inc., New York, N. Y. Ladies' handbags, wallets, pocketbooks, etc. Serial No. 499,463; Nov. 26. Class 3.

Arms, Leland J., San Francisco, Calif. Sound recordings of the magnetized wire type. Serial No. 491,947; Nov. 26. Class 21.

Associations Publishing Company: *See*—
Hills, E. A.

Avon Products, Inc., New York, N. Y. Lipstick, rouge, and nail polish. Serial No. 494,775; Nov. 26. Class 6.

Baker & Co., Inc., Newark, N. J. Indicator of oxygen content of gases. Serial No. 500,354; Nov. 26. Class 26.

Bond Foundry and Machine Company, Manheim, Pa. Steel bench legs. Serial No. 490,630; Nov. 26. Class 23.

Boosey and Hawkes, Inc., New York, N. Y. Musical publications. Serial No. 501,493; Nov. 26. Class 38.

Bourjois, Inc., New York, N. Y. Perfume, eau de cologne, toilet water, etc. Serial No. 499,200; Nov. 26. Class 6.

Bruzzichelli, Aldo, Co., New York, N. Y. Leather and fabric sandals. Serial No. 497,776; Nov. 26. Class 39.

Caltone Corporation, Anaheim, Calif. Canned blend of fruit juices. Serial No. 502,800; Nov. 26. Class 46.

Chemical Concentrates Co., New York, N. Y. Combination insect repellent and sun tan lotion. Serial No. 500,164; Nov. 26. Class 6.

Cinderella Knitting Mill: *See*—
Wise, Rothermel.

Clark, Verdelle, Presque Isle, Maine. Artificial fishing flies. Serial Nos. 509,633–4; Nov. 26. Class 22.

Cobb, Virginia, Birmingham, Ala. Children's and misses' overalls, dresses, and pinafores. Serial No. 492,179; Nov. 26. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Tooth brushes. Serial No. 497,918; Nov. 26. Class 29.

Compania Importadora La Vinatera, S. A., Havana, Cuba. Brandy. Serial No. 469,324; Nov. 26. Class 49.

Consolidated Cosmetics, Chicago, Ill. Raw feathers, natural flowers, talc, etc. Serial No. 500,602; Nov. 26. Class 1.

Cordes, J. V., doing business as Shield Laboratories, Detroit, Mich. Preparation for the treatment of psoriasis. Serial No. 500,370; Nov. 26. Class 6.

Cornell Publishing Corp., New York, N. Y. Magazine or publication. Serial No. 501,642; Nov. 26. Class 38.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Distributors Incorporated, St. Paul, Minn. Insecticide. Serial No. 499,124; Nov. 26. Class 6.

Doran Laboratories, Inc., New York, N. Y. Furniture cleaning preparation. Serial No. 498,689; Nov. 26. Class 4.

Drug Products Co., Inc., The, Long Island City, N. Y. Medicinal tablets. Serial No. 501,121; Nov. 26. Class 6.

Drug Products Co., Inc., The, Long Island City, N. Y. Medicinal preparation. Serial No. 501,122; Nov. 26. Class 6.

Earl & Arlington, San Francisco, Calif. Safety belts for infants. Serial No. 503,561; Nov. 26. Class 3.

Electro Manganese Corporation, Knoxville, Tenn. Metallic manganese. Serial No. 492,318; Nov. 26. Class 14.

Electrolux Corporation, New York, N. Y. Synchronous electric motors and control apparatus therefor. Serial No. 479,786; Nov. 26. Class 21.

Endo Products Inc., New York, N. Y. Medicinal preparation. Serial No. 498,989; Nov. 26. Class 6.

Ero Manufacturing Co., Chicago, Ill. Hassocks. Serial No. 507,467; Nov. 26. Class 32.

Esquire, Inc., Chicago, Ill. Periodical publication. Serial No. 501,801; Nov. 26. Class 38.

Fel-Por Dental Products, Inc., Chicago, Ill. Artificial teeth. Serial No. 509,836; Nov. 26. Class 44.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. Serial No. 500,067; Nov. 26. Class 1.

Fink, Werner, Long Branch, N. J. Pearls and jewelry. Serial No. 505,639; Nov. 26. Class 28.

Flaster, Alfred A., New York, N. Y. Perfume, toilet water, eau de cologne, etc. Serial No. 501,062; Nov. 26. Class 6.

Floquil Products, Inc., New York, N. Y. Stains, varnishes, lacquers, etc. Serial No. 494,051; Nov. 26. Class 16.

Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Colic antidote for veterinary use. Serial No. 499,998; Nov. 26. Class 6.

Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Drench for veterinary use. Serial No. 500,000; Nov. 26. Class 6.

Freeman, Edward, Philadelphia, Pa. Hand luggage. Serial No. 502,745; Nov. 26. Class 3.

Garrison, Bertice P., doing business as Paula Garrison, Seattle, Wash. Dresses, night gowns, pajamas, etc. Serial No. 490,063; Nov. 26. Class 39.

Garrison, Paula: *See*—
Garrison, Bertice P.

Goodlad, John R., Madison, Wis. Fish lures. Serial No. 504,972; Nov. 26. Class 22.

Goodrich, B. F., Company, The, Akron, Ohio. Collapsible play ponds. Serial No. 509,983; Nov. 26. Class 22.

Grand Union Company, The, New York, N. Y. Coffee, spices, cocoa, etc. Serial No. 487,941; Nov. 26. Class 46.

Greer-Hale Chinchilla Ranch, The, New Market, Va. Live chinchillas and chinchilla pelts. Serial No. 485,147; Nov. 26. Class 1.

Hagerty Brothers, Detroit, Mich. Cigarette and cigar cases. Serial No. 481,142; Nov. 26. Class 8.

Hall Brothers, Incorporated, Kansas City, Mo. Greeting cards. Serial No. 501,982; Nov. 26. Class 38.

Hanish, R. D., Company: *See*—
Hanish, Richard D.

Hanish, Richard D., doing business as R. D. Hanish Company, Columbus, Ohio. Dressing compound for cleaning and preserving motion picture and other camera film, etc. Serial No. 500,214; Nov. 26. Class 6.

Harris, Joseph L., Brighton, Mass. Portrait photographs. Serial No. 501,737; Nov. 26. Class 38.

Hills, E. A., doing business as Associations Publishing Company, San Francisco, Calif. Monthly magazine. Serial No. 507,909; Nov. 26. Class 38.

Huster, Ida S., Los Angeles, Calif. Doll furniture and furnishings. Serial No. 493,008; Nov. 26. Class 22.

Ingram Chemical Laboratories, Chicago, Ill. Ready-mixed interior and exterior paints. Serial No. 494,072; Nov. 26. Class 16.

Inness Bros., Kansas City, Mo. Watermelons. Serial No. 502,582; Nov. 26. Class 46.

International Brotherhood of Electrical Workers, Washington, D. C. Leather identification card cases. Serial No. 491,327; Nov. 26. Class 3.

International Paper Company, New York, N. Y. Butchers' wrapping paper. Serial No. 499,785; Nov. 26. Class 37.

Johanson, Sten, New York, N. Y. Soap bubble blowers. Serial No. 509,707; Nov. 26. Class 22.

Joy, Marilyn, Inc., New York, N. Y. Girls', misses', and junior and women's dresses. Serial No. 498,909; Nov. 26. Class 39.

Judy Jim Shop, The, Orlando, Fla. Infants' and children's dresses, sundresses, coats, etc. Serial No. 500,083; Nov. 26. Class 39.

Kaynee Company, The, Cleveland, Ohio. Blouses, shirts, and sport shirts. Serial No. 484,409; Nov. 26. Class 39.

Kemet Laboratories Company, Inc., New York, N. Y. Getters for use in electronic devices. Serial No. 488,407; Nov. 26. Class 21.

Kennedy-Warren Manufacturing Company, Inc., Piqua, Ohio. Toy guns. Serial No. 508,227; Nov. 26. Class 22.

Koons-Beebe Associates Inc., New York, N. Y. Non-electrical pressure cookers. Serial No. 496,450; Nov. 26. Class 13.

Lopez, Raphael, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 501,077; Nov. 26. Class 6.

Machlett Laboratories Incorporated, Springdale, Conn. X-ray tubes and housings therefor. Serial Nos. 510,261–2; Nov. 26. Class 44.

Maltine Company, The, New York, N. Y. Antacid. Serial No. 499,065; Nov. 26. Class 6.

Maltine Company, The, New York, N. Y. Rectal jelly. Serial No. 499,066; Nov. 26. Class 6.

Markwell Mfg. Co., Inc., New York, N. Y. Stapling machines. Serial No. 494,565; Nov. 26. Class 23.

Martin, Benjamin M., New York, N. Y. Game. Serial No. 510,095; Nov. 26. Class 22.

Martin-Senour Company, The, Chicago, Ill. Paints in dry, paste, or ready-mixed form, and paint enamels. Serial No. 491,420; Nov. 26. Class 16.

McCormick & Co., Incorporated, Baltimore, Md. Plant food. Serial No. 501,997; Nov. 26. Class 10.

Montres Choisi S. A., Locarno, Switzerland. Clocks, watches, watch cases, etc. Serial No. 490,202; Nov. 26. Class 27.

Murphy, Paul V., doing business as Sno-Vel Co., San Francisco, Calif. Pastry dough. Serial No. 500,239; Nov. 26. Class 46.

National Silver Company, New York, N. Y. Sterling silver and silver-plated flatware, hollow ware, and tableware. Serial No. 491,112; Nov. 26. Class 28.

Northwest Metal Products, Inc., Seattle, Wash. Garbage cans, garbage pails, water pails, etc. Serial No. 502,914; Nov. 26. Class 2.

Ohio Tar & Asphalt, Inc., Canton, Ohio. Moisture conditioned liquid asphalt. Serial No. 494,356; Nov. 26. Class 12.

O Neh-Da Vineyard: *See*—
Society of the Divine Word.

Palmer Show Card Paint Company, Inc., Detroit, Mich. Preparation for polishing glass, nickel, chrome, etc. Serial No. 497,404; Nov. 26. Class 4.

Park Royal Hat Company, Baltimore, Md. Men's straw hats and fur felt hats. Serial No. 498,795; Nov. 26. Class 39.

Permanente Cement Company, Oakland, Calif. Plastic monolithic refractories. Serial No. 506,546; Nov. 26. Class 12.

Pessl, Helene, Inc., New York, N. Y. Tooth paste, shampoo, hair lotion, etc. Serial No. 501,276; Nov. 26. Class 6.

Piedmont Botanical Gardens, San Francisco, Calif. Plants, seeds, bulbs, etc. Serial No. 494,115; Nov. 26. Class 1.

Pittsburgh Chemical Laboratory, Pittsburgh, Pa. Composition of matter for washing glass, china, silverware, etc. Serial No. 473,705; Nov. 26. Class 4.

Poor & Company, Chicago, Ill. Addition agent for copper cyanide plating solutions, etc. Serial No. 501,005; Nov. 26. Class 6.

Precision Thermometer and Instrument Co., Philadelphia, Pa. Thermo-regulators. Serial No. 479,493; Nov. 26. Class 26.

Precision Thermometer and Instrument Co., Philadelphia, Pa. Thermometers, thermostats, and thermo-regulators. Serial No. 479,494; Nov. 26. Class 26.

Ragsdale, Finis L., Everett, Wash. Doughnuts. Serial No. 499,857; Nov. 26. Class 46.

Rainey, Charles A., Washington, D. C. Game. Serial No. 507,692; Nov. 26. Class 22.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills, Incorporated. Woven textile fabrics in the piece. Serial No. 486,589; Nov. 26. Class 42.

Sandler, A., Co., Boston, Mass. Shoes of leather, rubber, fabric, etc. Serial No. 498,654; Nov. 26. Class 39.

Schild & Co. Societe Anonyme, La Chaux de Fonds, Switzerland. Watches, parts of watches, and watch cases. Serial No. 488,618; Nov. 26. Class 27.

Scott, O. M., & Sons Company, Marysville, Ohio. Weed control. Serial No. 499,017; Nov. 26. Class 6.

Sealy, Incorporated, Chicago, Ill. Crib mattresses. Serial No. 509,961; Nov. 26. Class 32.

Sekine, I., Company, Inc., New York, N. Y. Toothbrushes. Serial No. 501,012; Nov. 26. Class 29.

Servicised Products Corporation, Chicago, Ill. Material for sealing and waterproofing the bottom of lateral expansion joints in concrete roadways, etc. Serial No. 492,742; Nov. 26. Class 12.

Sharpe, Charles, Detroit, Mich. Artificial fish lures. Serial No. 497,501; Nov. 26. Class 22.

Sherry Togs Mfg. Co., Scranton, Pa., and New York, N. Y. Children's dresses, pinafores, and rompers; and boys' suits. Serial No. 498,717; Nov. 26. Class 39.

Shield Laboratories: *See*—
Cordes, J. V.

Sinclair & Cia, Sociedad de Responsabilidad Limitada, Buenos Aires, Argentina. Champagne and other wines. Serial No. 481,442; Nov. 26. Class 47.

Slader, Marie, Farmingdale, Long Island, N. Y. Watch bands. Serial No. 474,834; Nov. 26. Class 28.

Smith, L. C., Gun Company, Incorporated, The, Fulton, N. Y. Guns and parts thereof. Serial No. 494,760; Nov. 26. Class 9.

Sno-Vel Co.: *See*—
Murphy, Paul V.

Society of the Divine Word, doing business as O-Neh-Da Vineyard, Conesus, N. Y. Wine. Serial No. 487,282; Nov. 26. Class 47.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Insecticides and for a water soluble compound. Serial No. 502,666; Nov. 26. Class 6.

Spiegel, Inc., Chicago, Ill. Cattle feed mixers, cement mixers, hammer-mills, etc. Serial No. 488,004; Nov. 26. Class 23.

Spiegel, Inc., Chicago, Ill. Mattresses. Serial No. 492,344; Nov. 26. Class 32.

Squibb, E. R., & Sons, New York, N. Y. Sympathomimetic preparations. Serial No. 501,482; Nov. 26. Class 6.

Steinmann, Jacob, Philadelphia, Pa. Playing cards and card games. Serial No. 509,108; Nov. 26. Class 22.

Supak & Sons, Minneapolis, Minn. Snow suits and mackinaws, and adults' and children's ski pants. Serial No. 489,368; Nov. 26. Class 39.

Supreme Bag Co., Inc., New York, N. Y. Ladies' handbags. Serial No. 507,945; Nov. 26. Class 3.

Syoc, Van, Industries, Detroit, Mich. Rust-proof alloy of lead, tin, and bismuth. Serial No. 493,860; Nov. 26. Class 14.

Tamar Kosher Provisions Distributors, Inc., New York, N. Y. Kosher canned foods. Serial No. 492,970; Nov. 26. Class 46.

United States Rubber Company, New York, N. Y. Wire reinforced hose. Serial No. 505,089; Nov. 26. Class 35.

Vedros, Nick S., Kansas City, Mo. Barbecue sauce. Serial No. 503,144; Nov. 26. Class 46.

Vitaplast Products, Inc., New York, N. Y. Plastic beach and utility bag. Serial No. 499,974; Nov. 26. Class 3.

Vogue Optical Mfg. Company, New York, N. Y. Optical frames. Serial No. 500,588; Nov. 26. Clas 26.

Wallace Corporation, The, St. Louis County, Mo. Tooth picks. Serial Nos. 502,046–7; Nov. 26. Class 44.

Walters, Sylvia, St. Louis, Mo. All-purpose hair preparation. Serial No. 498,961; Nov. 26. Class 6.

Warner, Ernest L., Hollywood, Calif. Combination cases for cigarettes and a powder puff. Serial No. 487,153; Nov. 26. Class 2.

Weezel Bait Company, The, Cincinnati, Ohio. Fishing leaders. Serial No. 499,179; Nov. 26. Class 22.

West Disinfecting Company, Long Island City, N. Y. Insecticides. Serial No. 498,192; Nov. 26. Class 6.

Western Fiction Publishing Co., Inc., New York, N. Y. Magazine or publication. Serial No. 501,701; Nov. 26. Class 38.

Wilson Manufacturing Co., Inc., The, Boston, Mass. Coin purses and combination billfolds and coin purses. Serial No. 502,359; Nov. 26. Class 3.

Winkler, Murray, New York, N. Y. Card games. Serial No. 507,953; Nov. 26. Class 22.

Wise, Rothermel, doing business as Cinderella Knitting Mill, Reamstown, Pa. Men's and boys' athletic shorts. Serial No. 497,688; Nov. 26. Class 39.

Wynne Precision Company, Griffin, Ga. Fishing tackle. Serial No. 491,300; Nov. 26. Class 22.

Yankee Butler Company, Port Washington, N. Y. Portable buffets. Serial No. 491,377; Nov. 26. Class 32.

Young Radiator Company, Racine, Wis. Air cooled chimney type heat exchangers. Serial No. 481,038; Nov. 26. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Affiliated Retailers, Inc., New York, N. Y. Tooth brushes. 425,677; Nov. 26; Serial No. 499,595; published Sept. 3, 1946. Class 29.

Agawam Chemicals, Inc., West Springfield, Mass. Chemical preparations. 425,532; Nov. 26; Serial No. 488,074; published Sept. 3, 1946. Class 6.

Airway Finishing Corporation, Chicago, Ill. Metal display shelves. 425,685; Nov. 26; Serial No. 500,453; published Sept. 3, 1946. Class 32.

Aisenstein, Louis, & Bros., assignor to Louis Aisenstein & Bros. Inc., New York, N. Y. Watch and clock movements. 425,504; Nov. 26; Serial No. 480,098; published Aug. 20, 1946. Class 27.

Aisenstein, Louis, & Bros., Inc.: *See*—
Aisenstein, Louis, & Bros.

Albany Billiard Ball Co., Albany, N. Y. Cue balls. 221,882; renewed Dec. 14, 1946. O. G. Nov. 26. Class 22.

Allied American Steel Corporation, Chicago, Ill. Children's strollers. 425,624; Nov. 26; Serial No. 496,363; published Aug. 6, 1946. Class 19.

Alpha-Craft Company: *See*—
Meyers, Louis G.

American Bartonizing Company and Wallerstein Laboratories, to Wallerstein Company, Inc., New York, N. Y. Malt cereal concentrate. 221,412; renewed Nov. 30, 1946. O. G. Nov. 26. Class 46.

American Cyanamid Company, New York, N. Y. Synthetic resins. 425,534; Nov. 26; Serial No. 488,439; published Aug. 20, 1946. Class 6.

American Stores Company: *See*—
Lakeside Biscuit Co., The.

American Girl Shoe Co.: *See*—
Wolf Brothers and Company.

Andrews, H. P., Paper Company, New York, N. Y. Chemicals. 425,653; Nov. 26; Serial No. 498,574; published Aug. 20, 1946. Class 6.

Appell, Adam, Company, The, to Hirsch-Weis Canvas Products Company, Portland, Oreg. Water-bags. 54,030; re-renewed June 19, 1946. O. G. Nov. 26. Class 2.

Armstrong Chemical Company: *See*—
Armstrong, William L.

Armstrong, William L., doing business as Armstrong Chemical Company, Fremont, Nebr. Fluids for embalming and for disinfecting the dead human body. 425,641; Nov. 26, 1946; Serial No. 497,360; published Sept. 3, 1946. Class 6.

Artesia Cream Company, The, to Martha Lee, Inc., Waco, Tex. Complexion cream and astringent lotion. 216,576; renewed Aug. 17, 1946. O. G. Nov. 26. Class 6.

Associated Grocers Company, Inc., St. Louis, Mo. Malt sirup. 221,752; renewed Dec. 7, 1946. O. G. Nov. 26. Class 46.

Associated Manufacturers: *See*—
Freyd, Paul R.

Associated Merchandising Corporation, to Associated Merchandising Corporation, New York, N. Y. Men's shoes. 221,922; renewed Dec. 14, 1946. O. G. Nov. 26. Class 39.

Athiophoros Company: *See*—
Searles, Ennis N.

Atlas Powder Company: *See*—
Waukegan Chemical Company.

Axelrod, Nathan, San Francisco, Calif. Card game. 425,518; Nov. 26; Serial No. 484,659; published Sept. 3, 1946. Class 22.

Ayerst, McKenna & Harrison Limited, New York, N. Y. Protein digest product. 425,618; Nov. 26; Serial No. 496,121; published Sept. 3, 1946. Class 46.

Baby Touch Hair Remover Company: *See*—
Davies, James O., Estate of.

Baronet Co.: *See*—
Gugenheim, Albert M.

Baronet Distributing Co.: *See*—
Gugenheim, Albert M.

Baronet Extract and Distributing Co.: *See*—
Gugenheim, Albert M.

Battle Creek Equipment Company: *See*—
Sanitarium and Hospital Equipment Company.

Beetham, M., & Son, to F. S. Wittard, R. L. Walkerley, and C. E. Jeens, trustees, doing business as M. Beetham & Son, Cheltenham, England. Toilet preparation for the skin. 28,277; re-renewed May 19, 1946. O. G. Nov. 26. Class 6.

Bemis Bro. Bag Company, St. Louis, Mo. Fabric bags and sacks. 425,551; Nov. 26; Serial No. 491,055; published Sept. 3, 1946. Class 2.

Benger's Food, Limited, Manchester, to Benger's Limited, Cheshire, England. Self-digestive farinaceous food. 56,599; re-renewed Oct. 9, 1946. O. G. Nov. 26. Class 46.

Benger's Limited: *See*—
Benger's Food, Limited.

Benoliel, Katherine K., Philadelphia, Pa. Tarnish preventive. 425,649; Nov. 26; Serial No. 498,267; published Sept. 3, 1946. Class 6.

Bergs, E. A., Fabriks Aktiebolag, Eskilstuna, Sweden. Tongs, razors, and certain named edge tools and knives. 208,290; renewed Jan. 26, 1946. O. G. Nov. 26. Class 23.

Better Finishes and Coatings, Inc., Newark, N. J. Resinous coating compositions. 425,521; Nov. 26; Serial No. 486,648; published Sept. 3, 1946. Class 6.

Bill, Bell & Co., Ogdenburg, N. Y., to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat-flour. 46,418; re-renewed Sept. 19, 1945. O. G. Nov. 26. Class 46.

Biochemical Products Corporation, New York, N. Y. Pharmaceutical preparations. 425,669–71; Nov. 26; Serial Nos. 499,310–12; published Aug. 27, 1946. Class 6.

Blakey Engineering and Marine Co., Babylon, N. Y. Row boats, sail boats, and motor boats. 425,636; Nov. 26; Serial No. 497,161; published Sept. 3, 1946. Class 19.

Bluhill Foods, Incorporated: *See*—
Martin Bros. Co.

Boland Manufacturing Company: *See*—
Boland, Stanley V.

Boland, Stanley V., doing business as Boland Manufacturing Company, Chicago, Ill. Shower bath curtains. 425,525; Nov. 26; Serial No. 487,304; published Sept. 3, 1946. Class 13.

Booth Packing Company, to Gibbs & Company, Incorporated, Baltimore, Md. Canned fruits and vegetables. 58,179; re-renewed Dec. 11, 1946. O. G. Nov. 26. Class 46.

Boston Drug & Chemical Co., doing business as Prince Toiletries, Boston, Mass. Cascara sagrada tablets, rubbing alcohol, zinc ointment, etc. 425,609; Nov. 26; Serial No. 495,445; published Sept. 3, 1946. Class 6.

Brewer & Company, Inc., Worcester, Mass. Surgical elastic fabric goods. 221,561; renewed Dec. 7, 1946. O. G. Nov. 26. Class 44.

Bristol Company, The, Waterbury, Conn. Pressure-recorders. 55,532; re-renewed Aug. 14, 1946. O. G. Nov. 26. Class 26.

Bristol Company, The, Waterbury, Conn. Thermometers and telethermometers. 55,533; re-renewed Aug. 14, 1946. O. G. Nov. 26. Class 26.

Bristol Company, The, Waterbury, Conn. Electric meters. 55,534; re-renewed Aug. 14, 1946. O. G. Nov. 26. Class 26.

Bristol-Myers Company, New York, N. Y. Food supplement in the form of small blocks containing brewer's yeast, etc. 425,547; Nov. 26; Serial No. 490,170; published Sept. 3, 1946. Class 46.

Brown, Arthur, New York, N. Y. Mirrored picture frames, mirrored bars, mirrored show cases, etc. 425,538; Nov. 26; Serial No. 489,036; published Sept. 3, 1946. Class 32.

Brown-Brockmeyer Company, The, Dayton, Ohio. Electrical motors. 215,250; renewed July 13, 1946. O. G. Nov. 26. Class 21.

Brownley, Walter, to Brownley's, Washington, D. C. Candy. 52,438; re-renewed May 8, 1946. O. G. Nov. 26. Class 46.

Brownley's: *See*—
Brownley, Walter.

Bruun, A/S L. E., Copenhagen, Denmark, Butter. 214,384; renewed June 22, 1946. O. G. Nov. 26. Class 46.

Bueche, F. A.: *See*—
Seffel, Josephine E.

Buffalo Pottery Incorporated, Buffalo, N. Y. Vitreous china dinnerware. 425,513; Nov. 26; Serial No. 482,728; published Sept. 3, 1946. Class 30.

Buffington's Inc., Worcester, Mass. External medicinal application. 425,594; Nov. 26; Serial No. 494,013; published Aug. 27, 1946. Class 6.

Burt, L. G., Tulsa, Okla. Oil-well swabs. 214,558; renewed June 29, 1946. O. G. Nov. 26. Class 23.

Bushnell-Dahlquist Press, Inc., to J. Bryan Bushnell, doing business as Bushnell-Printer-Stationer-Engraver, Minneapolis, Minn. Certain named printed products. 214,266; renewed June 15, 1946. O. G. Nov. 26. Class 38.

Bushnell, J. Bryan: *See*—
Bushnell-Dahlquist Press, Inc.

Bushnell-Printer-Stationer-Engraver: *See*—
Bushnell-Dahlquist Press, Inc.

Butler, James H., doing business as Cà d'Oro, New York, N. Y. Perfume. 425,587; Nov. 26; Serial No. 493,320; published Sept. 3, 1946. Class 6.

Cà d'Oro: *See*—
Butler, James H.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. 425,611; Nov. 26; Serial No. 495,570; published Sept. 3, 1946. Class 6.

Calvital Company, New York, N. Y. Medical composition containing vitamins, minerals, and lactose. 425,486; Nov. 26; Serial No. 460,594; published Aug. 27, 1946. Class 6.

Cannon Electric Development Company: *See*—
Cannon, James H.

Cannon, James H., doing business as Cannon Electric Development Company, Los Angeles, Calif. Electrical equipment and parts therefor. 425,506–8; Nov. 26; Serial Nos. 481,096–8; published Sept. 3, 1946. Class 26.

Cavu Company, Downey, Calif. Jewelry for personal wear (not including watches). 425,637; Nov. 26; Serial No. 497,167; published Sept. 3, 1946. Class 28.

Central Petroleum Company, Cleveland, Ohio. Medicated hog oil. 425,519; Nov. 26; Serial No. 485,752; published Sept. 3, 1946. Class 6.

Chamberlin, Lauretta G., Chattanooga, Tenn. Preparation for use as an enema. 425,544; Nov. 26; Serial No. 489,654; published Sept. 3, 1946. Class 6.

Chambers, Florence K., doing business as Ha-Grn-Co. Mfg. Co., Buffalo, N. Y. Chemical composition. 425,646; Nov. 26, 1946; Serial No. 497,984; published Aug. 20, 1946. Class 6.

Champion Pneumatic Machinery Company, Chicago, Ill. Air-compressor tanks. 216,393; renewed August 10, 1946. O. G. Nov. 26. Class 2.

Chatham Pharmaceuticals, Inc., Newark, N. J. Ointments. 425,511; Nov. 26; Serial No. 482,414; published Aug. 20, 1946. Class 6.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics in the piece. 221,330; renewed Nov. 30, 1946. O. G. Nov. 26. Class 42.

Chicago Show Printing Company, Chicago, Ill. Paper and cloth tapes and sheets. 425,500; Nov. 26; Serial No. 478,784; published Sept. 3, 1946. Class 37.

Chicago Varnish Co., Chicago, Ill., to E. I. du Pont de Nemours and Company, Wilmington, Del. Varnishes, stains, japans, and surfacers. 54,001; re-renewed June 19, 1946. O. G. Nov. 26. Class 16.

Chiris, Antoine, Company, Inc., New York, N. Y. Essential oil compounds; pomades; tinctures of ambergris, etc. 425,654; Nov. 26; Serial No. 498,581; published Aug. 20, 1946. Class 6.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparation indicated for use in allergic conditions. 425,662; Nov. 26; Serial No. 498,981; published Aug. 27, 1946. Class 6.

Civray, Inc., New York, N. Y. Cream shampoo. 425,617; Nov. 26; Serial No. 495,865; published Aug. 27, 1946. Class 6.

Commercial Solvents Corporation, New York, N. Y. Dihydric alcohol. 425,505; Nov. 26; Serial No. 480,313; published Sept. 3, 1946. Class 6.

Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 55,371; re-renewed Aug. 14, 1946. O. G. Nov. 26. Class 17.

Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 55,447; re-renewed Aug. 14, 1946. O. G. Nov. 26. Class 17.

Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 55,560; re-renewed Aug. 17, 1946. O. G. Nov. 26. Class 17.

Consolidated Cosmetics, Chicago, Ill. Powder puffs and clothes brushes. 425,630; Nov. 26; Serial No. 496,689; published Aug. 6, 1946. Class 29.

Continental Baking Company: *See*—
Taggart Baking Company.

Coro Inc., New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 425,516; Nov. 26; Serial No. 483,422; published Aug. 6, 1946. Class 28.

Cosmos International Corporation, New York, N. Y. Aqueous solutions of hematoporphyrin, Congo red, capsules of nitroglycerine preparations. 425,667; Nov. 26; Serial No. 499,207; published Aug. 20, 1946. Class 6.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 425,548; Nov. 26; Serial No. 490,480; published Mar. 26, 1946. Class 6.

Craft Precision Company, Los Angeles, Calif. Costume jewelry. 425,612; Nov. 26; Serial No. 495,593; published Sept. 3, 1946. Class 28.

Curtiss Aeroplane and Motor Company, Inc., Buffalo and Garden City, to Curtiss-Wright Corporation, New York, N. Y. Aeroplanes. 214,333; renewed June 22, 1946. O. G. Nov. 26. Class 19.

Curtiss-Wright Corporation: *See*—
Curtiss Aeroplane and Motor Company, Inc.

Cushman Overseas Co., New York, N. Y. Two and three wheel motor scooters and motorcycles. 425,576; Nov. 26; Serial No. 492,616; published Sept. 3, 1946. Class 19.

Daily Racing Form Publishing Company, Chicago, Ill., to Triangle Publications, Inc., Philadelphia, Pa. Daily newspapers. 57,056; re-renewed Oct. 30, 1946. O. G. Nov. 26. Class 38.

Darden, George O., doing business as Darnold, Chicago, Ill. Toilet preparations. 425,593; Nov. 26; Serial No. 493,594; published Aug. 20, 1946. Class 6.

Darnold: *See*—
Darden, George O.

Dassonville Co., Ltd., New York, N. Y. Light sensitized photographic paper for projection printing. 425,604; Nov. 26; Serial No. 494,955; published Sept. 3, 1946. Class 26.

Davies, James O., deceased, Estate of, doing business as Baby Touch Hair Remover Company, St. Louis, Mo. Shampoos. 425,632; Nov. 26; Serial No. 497,061; published July 16, 1946. Class 6.

Desron Company, The, Balboa Island, Calif. Counter-irritant medicine. 425,678; Nov. 26; Serial No. 499,612; published Sept. 3, 1946. Class 6.

Dickinson, Albert, Company, The, Chicago, Ill. Popcorn. 55,801; re-renewed Aug. 21, 1946. O. G. Nov. 26. Class 46.

Dickinson, Albert, Company, The, Chicago, Ill. Grass and field seeds. 58,293; re-renewed Dec. 11, 1946. O. G. Nov. 26. Class 1.

Didisheim, Goldschmidt fils et Cie, Fabrique Juvenia, La Chaux-de-Fonds, Switzerland. Watches, watch parts, clocks, etc. 425,596; Nov. 26; Serial No. 494,313; published Aug. 6, 1946. Class 27.

Dietz, R. E., Company, New York, N. Y. Oil-burning lamps and lanterns. 58,003; re-renewed Dec. 4, 1946. O. G. Nov. 26. Class 34.

Dietz, R. E., Company, New York, N. Y. Oil-burning lanterns. 58,037; re-renewed Dec. 4, 1946. O. G. Nov. 26. Class 34.

Dietz, R. E., Company, New York, N. Y. Burners for oil-burning lamps and lanterns. 58,038; re-renewed Dec. 4, 1946. O. G. Nov. 26. Class 34.

Dietz, R. E., Company, New York, N. Y. Globes for lamps and lanterns. 58,318; re-renewed Dec. 11, 1946. O. G. Nov. 26. Class 34.

Dinerman, Irving, doing business as Masterblend Cosmetic Co., Brooklyn, N. Y. Hair pomade. 425,663; Nov. 26; Serial No. 499,052; published Aug. 27, 1946. Class 6.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. 425,558; Nov. 26; Serial No. 491,315; published Sept. 3, 1946. Class 37.

Dobre Products Co.: *See*—
Molchan, Stephen.

Dryice Corporation of America, New York and Long Island City, to Pure Carbonic, Incorporated, New York, N. Y. Refrigerators. 215,799; renewed July 27, 1946. O. G. Nov. 26. Class 31.

Duplex Fabrics Corporation, New York, N. Y. Rayon piece goods. 425,606; Nov. 26; Serial No. 495,219; published Sept. 3, 1946. Class 42.

Du Pont, E. I., de Nemours and Company: *See*—
Chicago Varnish Co.
Du Pont Rayon Company.

Du Pont Rayon Company, Buffalo, N. Y., to E. I. du Pont de Nemours and Company, Wilmington, Del. Raw artificial silk. 221,766; renewed Dec. 7, 1946. O. G. Nov. 26. Class 1.

Electroma Company, Los Angeles, Calif. Vaporizing heat wafers. 425,559; Nov. 26; Serial No. 491,404; published Sept. 3, 1946. Class 6.

El Primo Cigar Company: *See*—
Goss, E. & Company.

Elsbeth Novelties: *See*—
Moser, Elizabeth S.

Empire National Bank and Trust Company, The: *See*—
Raymond Laboratories, Inc.

Endicott, Richard T., Pawnee, Okla. Preparation for the treatment of hogs. 425,524; Nov. 26; Serial No. 487,182; published Aug. 27, 1946. Class 6.

Erlanger, N., Blumgart & Co. Inc., New York, N. Y. Fabrics in the piece made of fibres of rayon, cotton, silk, wool, etc. 425,585; Nov. 26; Serial No. 493,261; published Sept. 3, 1946. Class 42.

Espasa-Calpe, S. A.: *See*—
Espasa, Hijos de J.

Espasa, Hijos de J., Barcelona, to Espasa-Calpe, S. A., Biboa and Madrid, Spain. Completely printed books. 214,930; renewed July 6, 1946. O. G. Nov. 26. Class 38.

Falls City Dental Specialty Co., Inc., to Whip-Mix Corporation, Louisville, Ky. Dental investment, dental stone, and dental plaster. 211,466; renewed Apr. 13, 1946. O. G. Nov. 26. Class 44.

Falls City Dental Specialty Co. Inc., to Whip-Mix Corporation, Louisville, Ky. Dental investment, dental stone, and dental plaster. 221,621; renewed Dec. 7, 1946. O. G. Nov. 26. Class 44.

Filippone, B., & Co., to B. Filippone & Co. Inc., Passaic, N. J. Macaroni. 220,082; renewed Nov. 2, 1946. O. G. Nov. 26. Class 46.

Filippone, B., & Co. Inc.: *See*—
Filippone, B., & Co.

Fischer, Albert C., doing business as Servicised Products Company, Chicago, Ill. Natural and synthetic plastic composition in sheet, rod or tube form. 425,485; Nov. 26; Serial No. 459,805; published Sept. 3, 1946. Class 1.

Flashtric-Neon Signs and Maintenance: *See*—
Flashtric Sign Works.

Flashtric Sign Works, to Flashtric-Neon Signs and Maintenance, Chicago, Ill. Outdoor and indoor electric signs. 221,700; renewed Dec. 7, 1946. O. G. Nov. 26. Class 21.

Flower Foods, Inc., Maywood, Ill. Composition containing chemical ingredients. 425,514; Nov. 26; Serial No. 483,222; published Aug. 27, 1946. Class 6.

Follsain Metals Ltd., Lutterworth, near Rugby, England. Outer casing of ships patent logs. 425,497; Nov. 26; Serial No. 477,606; published Sept. 3, 1946. Class 26.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 217,156; renewed Aug. 24, 1946. O. G. Nov. 26. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 217,176; renewed Aug. 24, 1946. O. G. Nov. 26. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 217,355; renewed Aug. 31, 1946. O. G. Nov. 26. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 217,401; renewed Aug. 31, 1946. O. G. Nov. 26. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

Freeman, I., & Son, Inc., New York, N. Y. Silver flatware and hollow ware. 425,631; Nov. 26; Serial No. 497,020; published Sept. 3, 1946. Class 28.

Freyd, Paul R., doing business as Associated Manufacturers, Providence, R. I. Brooches, earrings, pins, etc. 425,625; Nov. 26; Serial No. 496,440; published Aug. 6, 1946. Class 28.

Fruit Seal Products Co.: *See*—
Gutfreund, Gustav.

Gemex Company, Union, N. J. Watch bracelets, watch straps, neck chains, etc. 425,542; Nov. 26; Serial No. 489,395; published Aug. 6, 1946. Class 28.

General Radio Company, Cambridge, Mass. Stroboscopes. 425,588; Nov. 26; Serial No. 493,486; published Sept. 3, 1946. Class 26.

Germain Seed and Plant Co., Los Angeles, Calif. Vegetable and flower seeds. 425,543; Nov. 26; Serial No. 489,509; published Sept. 3, 1946. Class 1.

Germain Seed and Plant Co., Los Angeles, Calif. Lawn seed. 425,571; Nov. 26; Serial No. 491,913; published Sept. 3, 1946. Class 1.

Gibbs & Company, Incorporated: *See*—
Booth Packing Company.

Gibson, George M., Bellevue, Iowa. Domestic laundry washing and ironing machines. 425,529; Nov. 26; Serial No. 487,716; published Sept. 3, 1946. Class 24.

Golden Kettle Syrup Co.: *See*—
Seffel, Josephine E.

Goldwag, Hyman, Brooklyn, N. Y. Watches. 425,644; Nov. 26; Serial No. 497,792; published Aug. 6, 1946. Class 27.

Goodrich, B. F., Company, The, New York, N. Y., to The B. F. Goodrich Company, Akron, Ohio. Dredging sleeves. 214,094; renewed June 15, 1946. O. G. Nov. 26. Class 35.

Gorman, Murphy, Company, to The Mallory Hat Company, Danbury, Conn. Men's soft and velour felt hats. 221,010; renewed Nov. 23, 1946. O. G. Nov. 26. Class 39.

Goss, E., & Company, to El Primo Cigar Company, San Francisco, Calif. Cigars. 221,877; renewed Dec. 14, 1946. O. G. Nov. 26. Class 17.

Graham Chemical Company, Jamaica, N. Y. Dental medicament. 425,572; Nov. 26; Serial No. 491,972; published Aug. 20, 1946. Class 6.

Grant Photo Products, Inc., New York, N. Y. Sensitized film and photographic paper. 425,595; Nov. 26; Serial No. 494,215; published Sept. 3, 1946. Class 26.

Grimes, John P., doing business as Grimes Milling Company, Salisbury, N. C. Best patent wheat flour. 219,636; renewed Oct. 19, 1946. O. G. Nov. 26. Class 46.

Grimes, John P., doing business as Grimes Milling Company, Salisbury, N. C. Self-rising wheat flour. 219,659; renewed Oct. 19, 1946. O. G. Nov. 26. Class 46.

Grimes Milling Company: *See*—
Grimes, John P.

Grocers Baking Company, Louisville, Ky. Bread. 221,685; renewed Dec. 7, 1946. O. G. Nov. 26. Class 46.

Guenther Publishing Company, to Guenther Publishing Corporation, New York, N. Y. Weekly magazine. 205,632; renewed Nov. 10, 1945. O. G. Nov. 26. Class 38.

Guenther Publishing Corporation: *See*—
Guenther Publishing Company.

Gugenheim, Albert M., doing business as Baronet Extract and Distributing Co., Baronet Co., and Baronet Distributing Co., to Robert E. Gugenheim, Cincinnati, Ohio. Certain named culinary flavoring extracts. 214,256; renewed June 15, 1946. O. G. Nov. 26. Class 46.

Gugenheim, Robert E.: *See*—
Gugenheim, Albert M.

Gutfreund, Gustav, doing business as Fruit Seal Products Co., and Lamona Extract & Mfg. Co., to C. Marco, Des Moines, Iowa. Fruit juices, certain sirups, extracts, etc. 221,741; renewed Dec. 7, 1946. O. G. Nov. 26. Class 45.

Gypsy Dyes, Inc., Chicago, Ill. Dyes and colorings. 215,005; renewed July 6, 1946. O. G. Nov. 26. Class 6.

Haddon, Walter, to Tungstone Products Limited, London, England. Electric accumulators and accumulator boxes. 212,897; renewed May 18, 1946. O. G. Nov. 26. Class 21.

Ha-Grn-Co. Mfg. Co.: *See*—
Chambers, Florence K.

Hallam, Sleigh & Cheston, Birmingham, England. Complete frames for windows and wind shields, glazing strips, etc. 425,501; Nov. 26; Serial No. 479,342; published Aug. 6, 1946. Class 19.

Hance Bros. & White Co.: *See*—
Hance Brothers & White, Inc.

Hance Brothers & White, Inc., to Hance Bros. & White Co., Philadelphia, Pa. Antiseptic solution. 211,238; renewed Apr. 6, 1946. O. G. Nov. 26. Class 6.

Hange, G. N., Chicago, Ill. Candies. 425,620; Nov. 26; Serial No. 496,236; published Sept. 3, 1946. Class 46.

Harte, Ralph S., San Francisco, Calif. Thin transparent or translucent sheets or films of polyvinyl chloride resin, etc. 425,549; Nov. 26; Serial No. 490,829; published Sept. 3, 1946. Class 42.

Hawkes, T. G., & Co., Corning, N. Y. Cut glass and engraved glass. 215,166; renewed July 13, 1946. O. G. Nov. 26. Class 33.

Heide, Henry, Incorporated, to Henry Heide, Incorporated, New York, N. Y. Candies. 220,367; renewed Nov. 9, 1946. O. G. Nov. 26. Class 46.

Hess, Dr., & Clark, to Dr. Hess & Clark, Inc., Ashland, Ohio. Compound used as a food and medicine for cattle and other live stock. 53,247; re-renewed May 29, 1946. O. G. Nov. 26. Classes 6 and 46.

Hess, Dr., & Clark, Inc.: *See*—
Hess, Dr., & Clark.

Hilco Incorporated, St. Louis, Mo. Permanent wave kits. 425,583; Nov. 26; Serial No. 493,120; published Sept. 3, 1946. Class 50.

Hirsch Laboratories, assignor to McKay Davis Company, Toledo, Ohio. Deodorants. 425,537; Nov. 26; Serial No. 488,880; published Feb. 19, 1946. Class 6.

Hirsch-Weis Canvas Products Company: *See*—
Appel, Adam, Company, The.

Hollander, Samuel, Cleveland, Ohio. Instruments used to check intermaxillary relationship of dentures. 425,575; Nov. 26; Serial No. 492,562; published Sept. 3, 1946. Class 44.

Horstmann, Wm. H., Company, Philadelphia, Pa., New York, N. Y., Boston, Mass., Baltimore, Md., Detroit, Mich., etc., to James Lees & Sons Company, Bridgeport, Pa. Yarns of all descriptions. 50,216; re-renewed Mar. 6, 1946. O. G. Nov. 26. Class 43.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, lotion, etc. 221,886; renewed Dec. 14, 1946. O. G. Nov. 26. Class 6.

Hudnut, Richard, New York, N. Y. Cosmetic kits. 425,491; Nov. 26; Serial No. 473,945; published Sept. 3, 1946. Class 50.

Hughes, K. A., Company, Boston, Mass. Tablets. 221,897; renewed Dec. 14, 1946. O. G. Nov. 26. Class 6.

Illinois Shade Cloth Corporation, Chicago Heights, Ill. Window-shades. 220,041; renewed Nov. 2, 1946. O. G. Nov. 26. Class 32.

Inderrieden, J. B., Co., The: *See*—
Inderrieden, J. B., Co.

Inderrieden, J. B., Co., to The J. B. Inderrieden Co., Chicago, Ill. Nuts. 217,759; renewed Sept. 7, 1946. O. G. Nov. 26. Class 46.

Interchemical Corporation: *See*—
Murphy Varnish Company.

Interstate Popcorn Co.: *See*—
Zussman, Jeannette R.

Invicta-Seeland, Inc., New York, N. Y. Watches and clocks. 425,488; Nov. 26; Serial No. 467,974; published Aug. 20, 1946. Class 27.

Irving Iron Works Company, to Irving Subway Grating Co. Inc., Long Island City, N. Y. Metal grating for floorings, staircases and roadways. 214,335; renewed June 22, 1946. O. G. Nov. 26. Class 12.

Irving Subway Grating Co. Inc.: *See*—
Irving Iron Works Company.

Jayne, Dr. D., & Son, Inc., Philadelphia, Pa. Medicinal preparations. 425,659; Nov. 26; Serial No. 498,903; published Aug. 27, 1946. Class 6.

Jeens, Charles E., trustee: *See*—
Beetham, M., & Son.

Johnson & Co., Cornelia, Ga. Poultry tonic and conditioner, an ointment or salve. 425,577; Nov. 26; Serial No. 492,773; published Aug. 20, 1946. Class 6.

Kahn Tailoring Co., Indianapolis, Ind. Wool worsted cloth. 221,466; renewed Nov. 30, 1946. O. G. Nov. 26. Class 42.

Kendall Refining Company, The, Bradford, Pa. Refined oils, lubricating oil, gasoline, etc. 216,831; renewed Aug. 24, 1946. O. G. Nov. 26. Class 15.

Kinslow, Henry M., Pasadena, Calif. Scooter-type wheeled vehicles. 425,639; Nov. 26; Serial No. 497,252; published Aug. 6, 1946. Class 19.

Knight Screw Products Company, Detroit, Mich. Golf clubs. 425,684; Nov. 26; Serial No. 500,396; published Sept. 3, 1946. Class 22.

Laister-Kauffman Aircraft Corporation, St. Louis, Mo. Glider planes. 425,545; Nov. 26; Serial No. 489,914; published Aug. 20, 1946. Class 19.

Lakeside Biscuit Co., The, Toledo, Ohio, to American Stores Company, Philadelphia, Pa. Crackers, cakes, biscuits, etc. 211,413; renewed Apr. 13, 1946. O. G. Nov. 26. Class 46.

Lamona Extract & Mfg. Co.: *See*—
Gutfreund, Gustav.

La Porte Corporation, The, Chicago, Ill., and La Porte, Ind. Baby walkers. 425,523; Nov. 26; Serial No. 486,995; published Sept. 3, 1946. Class 22.

La Porte Corporation, The, Chicago, Ill., and La Porte, Ind. Wheeled goods. 425,540; Nov. 26; Serial No. 489,224; published Sept. 3, 1946. Class 22.

Lee, Martha, Inc.: *See*—
Artesia Cream Company.

Lees, James, & Sons Company: *See*—
Horstmann, Wm. H., Company.

Le Galion, S. A., Neuilly, France. Perfumes and toilet water. 425,655–8; Nov. 26; Serial Nos. 498,777–80; published Aug. 27, 1946. Class 6.

Les Fils de Paul Schwarz-Etienne, La Chaux-de-Fonds, Switzerland. Watches, parts of watches, and watch casings. 425,592; Nov. 26; Serial No. 493,558; published May 7, 1946. Class 27.

Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations. 425,680; Nov. 26; Serial No. 499,720; published Sept. 3, 1946. Class 6.

Lichtenberger-Ferguson Company Los Angeles, Calif. Horse collars, halters, straps, etc. 425,539; Nov. 26; Serial No. 489,129; published Sept. 3, 1946. Class 3.

Linnea Perfumes, Inc., Chicago, Ill. Perfumes, colognes, bath salts, etc. 425,520; Nov. 26; Serial No. 486,493; published Aug. 27, 1946. Class 6.

Loomis Fruit Growers Association, Loomis, Calif. Fresh citrus fruits. 217,864; renewed Sept. 14, 1946. O. G. Nov. 26. Class 46.

Lubell Brothers, to Lubell Bros., Inc., New York, N. Y. Pyjamas, boys' shirts, boys' sport shirts, etc. 218,580; renewed Sept. 28, 1946. O. G. Nov. 26. Class 39.

Lubell Bros., Inc.: *See*—
Lubell Brothers.

M. B. M. Company, Everett, Wash. Prefabricated buildings. 425,672; Nov. 26; Serial No. 499,561; published Sept. 3, 1946. Class 12.

Mac Fisheries Limited, London, England. Preserved fish. 221,072; renewed Nov. 23, 1946. O. G. Nov. 26. Class 46.

MacGreagor Instrument Company, Needham, Mass. Surgical and dental syringes. 221,539. renewed Dec. 7, 1946. O. G. Nov. 26. Class 44.

Mallory Hat Company, The: *See*—
Gorman, Murphy, Company.

Mankato Hatchery: *See*—
Weber, William A.

Man of Manhattan, Inc., New York, N. Y. Men's toiletries. 425,563; Nov. 26. Serial No. 491,651; published Sept. 3, 1946. Class 6.

Man of Manhattan, Inc., New York, N. Y. Men's toiletries. 425,564–6. Nov. 26; Serial Nos. 491,657–9; published Sept. 3, 1946. Class 6.

Man of Manhattan, New York, N. Y. Men's cologne and after shave lotion. 425,578; Nov. 26; Serial No. 492,775; published Sept. 3, 1946. Class 6.

Marathon Company, Attleboro, Mass. Jewelry for personal adornment, not including watches. 425,652; Nov. 26; Serial No. 498,427; published Aug. 20, 1946. Class 28.

Marco, Clarence: *See*—
Gutfreund, Gustav.

Martin Bros. Co., to Bluhill Foods, Incorporated, Denver, Colo. Coffee. 217,311; renewed Aug. 31, 1946. O. G. Nov. 26. Class 46.

Martin Bros. Co., to Bluhill Foods Incorporated, Denver, Colo. Cheese. 219,974; renewed Oct. 26, 1946. O. G. Nov. 26. Class 46.

Masterblend Cosmetic Co.: *See*—
Dinerman, Irving.

McKay Davis Company: *See*—
Hirsch Laboratories, assignor.

McLaughlin Gormley King Company, Minneapolis, Minn. Insecticides. 425,664; Nov. 26; Serial No. 499,141; published Aug. 27, 1946. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Tablet for use as a diuretic and myocardinal stimulant. 425,569; Nov. 26; Serial No. 491,873; published Sept. 3, 1946. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Intravenous solution. 425,573; Nov. 26; Serial No. 492,214; published Sept. 3, 1946. Class 6.

Meukow, A. C., & Co., to T. D. Shepherd & Co., Cognac, France. Cognac brandy. 52,208; re-renewed May 1, 1946. O. G. Nov. 26. Class 49.

Meyers, A., & Sons, to A. Meyers & Sons Corp., New York, N. Y. Pins for fine textiles. 220,934; renewed Nov. 16, 1946. O. G. Nov. 26. Class 40.

Meyers, A., & Sons, to A. Meyers & Sons Corp., New York, N. Y. Dressmakers' pins. 220,935; renewed Nov. 16, 1946. O. G. Nov. 26. Class 40.

Meyers, A., & Sons Corp.: *See*—
Meyers, A., & Sons.

Meyers, Louis G., doing business as Alpha-Craft Company, New York, N. Y. Costume jewelry. 425,602; Nov. 26; Serial No. 494,915; published Aug. 20, 1946. Class 28.

Molchan, Stephen, doing business as Dobre Products Co., Jersey City, N. J. Hair waving solutions. 425,526; Nov. 26; Serial No. 487,331; published Sept. 3, 1946. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 425,552; Nov. 26; Serial No. 491,109; published Sept. 3, 1946. Class 1.

Monsanto Chemical Company, St. Louis, Mo. Chemical products. 425,611; Nov. 26; Serial No. 498,355; published Aug. 20, 1946. Class 6.

Monument Mills, Housatonic, Mass., and New York, N. Y., to Monument Mills, Housatonic, Mass. Bedspreads and counterpanes. 221,747; renewed Dec. 7, 1946. O. G. Nov. 26. Class 42.

Morningstar, Joseph, & Co. Inc., to Morningstar, Nicol, Inc., New York, N. Y. Rayon, fiber siding, and cotton and rayon piece goods. 221,909; renewed Dec. 14, 1946. O. G. Nov. 26. Class 42.

Morningstar, Nicol, Inc.: *See*—
Morningstar, Joseph, & Co. Inc.

Moser, Elizabeth S., doing business as Elsbeth Novelties, Fort Wayne, Ind. Fanciful configuration of living creatures, such as insects, for personal wear, etc. 425,607; Nov. 26; Serial No. 495,398; published Aug. 6, 1946. Class 28.

Motor Wheel Corporation, Lansing, Mich. Oil burning water heaters, oil burning furnaces, cooking stoves, etc. 421,112; Nov. 26; Serial No. 482,695; published Sept. 3, 1946. Class 34.

Mountain Valley Spring Company: *See*—
Mountain Valley Springs Company, The.

Mountain Valley Springs Company, The, Mountain Valley Springs, Ark., to Mountain Valley Spring Company, St. Louis, Mo. Mineral-spring water. 51,448; re-renewed Apr. 17, 1946. O. G. Nov. 26. Class 45.

Movado Watch Agency, Inc., New York, N. Y. Watches. 425,560; Nov. 26; Serial No. 491,424; published Sept. 3, 1946. Class 27.

Murphy Varnish Company, Newark, N. J., to Interchemical Corporation, New York, N. Y. Varnish, japan, and varnish-stains. 57,737; re-renewed Nov. 27, 1946. O. G. Nov. 26. Class 16.

National Brake Company Incorporated, Buffalo, to National Brake Company Incorporated, New York, N. Y. Hand-brake mechanism. 221,739; renewed Dec. 7, 1946. O. G. Nov. 26. Class 19.

National Gypsum Company: *See*—
Universal Gypsum Company.

National Lock Company, Rockford, Ill. Latches and catches. 425,586; Nov. 26; Serial No. 493,276; published Aug. 20, 1946. Class 25.

National Trading Company, Hickory, N. C. Clothes washing machines. 425,541; Nov. 26; Serial No. 489,278; published Sept. 3, 1946. Class 24.

National Washboard Company, Chicago, Ill., and Saginaw, Mich., to National Washboard Company, Chicago, Ill. Folding ironing tables. 217,660; renewed Sept. 7, 1946. O. G. Nov. 26. Class 24.

Niagara Machine & Tool Works, Buffalo, N. Y. Certain named sheet-metal-working machines. 58,232; re-renewed Dec. 11, 1946. O. G. Nov. 26. Class 23.

Nutritional Metals Corp., Hasbrouck Heights, N. J. Bone flour. 425,502; Nov. 26; Serial No. 479,595; published July 10, 1945. Class 46.

Nutter, Ernest T., New York, N. Y. Lipstick, rouge, nail polish, etc. 425,626; Nov. 26; Serial No. 496,459; published Sept. 3, 1946. Class 6.

Oakes & Company, Chicago, Ill. Inlaid linoleum rugs and inlaid linoleum, composition floor covering, etc. 425,661; Nov. 26; Serial No. 498,921; published Aug. 20, 1946. Class 20.

Oneida Community Limited, to Oneida Ltd., Oneida, N. Y. Chests, dining room tables, serving tables, etc. 214,665; renewed June 29, 1946. O. G. Nov. 26. Class 32.

Oneida Ltd.: *See*—
Oneida Community Limited.
Rogers, Wm. A., Limited.

Osgoodby, Reginald D., Chicago, Ill. Playing cards and game boards. 425,568; Nov. 26; Serial No. 491,766; published Sept. 3, 1946. Class 22.

Padgett, Mary P., Bloomingdale, N. J. Puzzles. 425,682; Nov. 26; Serial No. 500,015; published Sept. 3, 1946. Class 22.

Palmer Brothers Company, The: *See*—
Palmer Brothers Co., The.

Palmer Brothers Co., The, New London, to The Palmer Brothers Company, Fitchville, Conn. Bed comfortables. 220,492; renewed Nov. 9, 1946. O. G. Nov. 26. Class 42.

Palmer Brothers Company, The, New London, to The Palmer Brothers Company, Fitchville, Conn. Textile bed comfortables and quilts. 220,654; renewed Nov. 16, 1946. O. G. Nov. 26. Class 42.

Panoramic Radio Corporation, New York, N. Y., and elsewhere. Electrical frequency detecting or measuring equipment, etc. 425,492–5; Nov. 26; Serial Nos. 475,066–9; published Sept. 3, 1946. Class 26.

Parfait, Incorporated, Chicago, Ill. Cologne, talcum powder, after-shave lotion, etc. 425,679; Nov. 26; Serial No. 499,648; published Sept. 3, 1946. Class 6.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. 425,597; Nov. 26; Serial No. 494,515; published Sept. 3, 1946. Class 6.

Parfumerie Fragonard G. Fuchs & Cie, Paris, France. Perfumes. 425,533; Nov. 26; Serial No. 488,120; published Sept. 3, 1946. Class 6.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. 425,686; Nov. 26; Serial No. 502,153; published Aug. 27, 1946. Class 6.

Parker Watch Company, New York, N. Y. Watches and parts thereof. 425,668; Nov. 26; Serial No. 499,266; published Sept. 3, 1946. Class 27.

Parks-Cramer Company, Fitchburg, Mass. Humidifying apparatus for discharging water vapor into the atmosphere and regulators therefor. 216,672; renewed Aug. 17, 1946. O. G. Nov. 26. Class 23.

Parrott & Co., San Francisco, Calif. Canned fruits and canned vegetables. 425,638; Nov. 26; Serial No. 497,192; published Sept. 3, 1946. Class 46.

Patou, Jean, Inc., New York, N. Y. Perfumes and toilet water. 425,517; Nov. 26; Serial No. 484,458; published Aug. 27, 1946. Class 6.

Perfection Twine Company, Camas, Wash., and Portland, Oreg. Paper bags. 425,527; Nov. 26; Serial No. 487,634; published Sept. 3, 1946. Class 2.

Perry & Company Limited, to Perry & Co. (Pens) Limited, Birmingham, England. Steel, fountain, and stylographic pens and penholders. 50,986; re-renewed Apr. 3, 1946. O. G. Nov. 26. Class 37.

Perry & Co. (Pens) Limited: *See*—
Perry & Company Limited.

Peterman, William, Inc., Newark, N. J. Insecticide. 425,599; Nov. 26; Serial No. 494,574; published Sept. 3, 1946. Class 6.

Petroleum Solvents Corporation, New York, N. Y. Chemical solvent and cleaner. 425,615–16; Nov. 26; Serial Nos. 495,818–19; published Aug. 27, 1946. Class 6.

Phillips Petroleum Company, Bartlesville, Okla. Golf balls and savings banks. 425,489; Nov. 26; Serial No. 468,731; published Sept. 3, 1946. Class 22.

Phillips Petroleum Company, Bartlesville, Okla. Golf balls. 425,490; Nov. 26; Serial No. 469,307; published Sept. 3, 1946. Class 22.

Pillsbury Mills, Inc.: *See*—
Bill, Bell & Co.

Pioneer Rubber Mills, San Francisco, Calif. Garden and steam hose, and piston packing. 218,432; renewed Sept. 28, 1946. O. G. Nov. 26. Class 35.

Pipe Couplings, Inc., New York, N. Y. Flexible pipe couplings. 425,613; Nov. 26; Serial No. 495,623; published July 2, 1946. Class 13.

Plastex Company: *See*—
Rath, Freda C.

Pollard, Frank L., Company, Oakland, Calif. Clothes racks for drying clothes. 425,642; Nov. 26; Serial No. 497,565; published Aug. 6. Class 24.

Powell, William, Company, The, Cincinnati, Ohio. Valves. 57,131; re-renewed Nov. 6, 1946. O. G. Nov. 26. Class 13.

Power, D., & Sons Limited, Walsall, England. Gloves. 209,331; renewed Feb. 23, 1946. O. G. Nov. 26. Class 39.

Prime Leather Co., Inc., New York, N. Y. Brief cases. 425,648; Nov. 26; Serial No. 498,078; published Sept. 3, 1946. Class 3.

Prince Toiletries: *See*—
Boston Drug & Chemical Co.

Pure Carbonic, Incorporated: *See*—
Dryice Corporation of America.

Ranier Brewing Company: *See*—
Stratton, Harry D.

Rath, Freda C., doing business as Plastex Company, Chicago, Ill. Cohesive webbing comprising non-elastic bandage material. 425,487; Nov. 26; Serial No. 462,028; published Dec. 7, 1943. Class 44.

Raymond Laboratories, Inc., assignor to The Empire National Bank and Trust Company, St. Paul, Minn. Creme shampoo. 425,498; Nov. 26; Serial No. 477,666; published Mar. 6, 1945. Class 6.

Red Hand Compositions Company, Inc.: *See*—
Suter Hartmann & Rahtjens Composition Company, Limited.

Redmond, A. G., Co., assignor to Redmond Company, Inc., Owosso, Mich. Electric motor driven blowers. 425,643; Nov. 26; Serial No. 497,628; published Sept. 3, 1946. Class 34.

Redmond Company, Inc.: *See*—
Redmond, A. G., Co.

Red Spot Paint & Varnish Company, Incorporated, Evansville, Ind. Paint enamels, dried, paste, and ready-mixed paints and finishing materials. 215,979; renewed Aug. 3, 1946. O. G. Nov. 26. Class 16.

Requa Manufacturing Co., Inc., New York and Brooklyn, N. Y. Refrigerator and icebox deodorizers. 425,633; Nov. 26; Serial No. 497,131; published Sept. 3, 1946. Class 6.

Revlon Products Corporation, New York, N. Y. Nail enamel, lipsticks, face powder, and rouge. 425,536; Nov. 26; Serial No. 488,870; published Aug. 27, 1946. Class 6.

Rice-Stix Dry Goods Company: *See*—
Salant & Salant, Inc.

Rice-Stix Dry Goods Company, St. Louis, Mo. Hosiery. 58,263; re-renewed Dec. 11, 1946. O. G. Nov. 26. Class 39.

Refined Products Company, Lyndhurst, N. J. Soap substitute applied to textiles and leather as a finishing agent and detergent. 425,589–91; Nov. 26; Serial Nos. 493,509–11; published Aug. 6, 1946. Class 4.

Rildsdale & Co. Limited, Middlesbrough, England. Chemical substances used in analysis. 425,645; Nov. 26. Serial No. 497,816; published Sept. 3, 1946. Class 6.

Rite-Rite Mfg. Co., Downers Grove, Ill. Mechanical pencils, pencil leads, and drafting refillable and drafting mechanical pencils. 425,515; Nov. 26; Serial No. 483,385; published Aug. 27, 1946. Class 37.

Robbins Company, The, Attleboro, Mass. Jewelry for personal wear or adornment (not including watches) etc. 425,601; Nov. 26; Serial No. 494,798; published Sept. 3, 1946. Class 28.

Rogers, Wm. A., Limited, New York, to Oneida Ltd., Oneida, N. Y. Silver-plated flat ware, hollow ware, and tableware. 54,731; re-renewed June 26, 1946. O. G. Nov. 26. Class 28.

Ronai, Arthur, doing business as Rose Ronai, New York, N. Y., assignor to Transcontinental Export & Import Co., Inc. Rouge, face powder, perfume, toilet water, etc. 425,608; Nov. 26; Serial No. 495,408; published Sept. 3, 1946. Class 6.

Ronai, Rose: *See*—
Ronai, Arthur.

Rowland, Mary Scott, Ltd., New York, N. Y. Face powder, lip stick, pomade, etc. 425,603; Nov. 26; Serial No. 494,925; published Aug. 27, 1946. Class 6.

Rubin, Samuel, New York, N. Y. Simulated pearls, cultured pearls, jewelry for personal wear, etc. 425,554; Nov. 26; Serial No. 491,288; published Aug. 6, 1946. Class 28.

Salant & Salant, Inc., New York, N. Y., to Rice-Stix Dry Goods Company, St. Louis, Mo. Work shirts. 218,186; renewed Sept. 21, 1946. O. G. Nov. 26. Class 39.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Mild astringent and a drinking water bacteriostat, etc. 425,509; Nov. 26; Serial No. 482,076; published Aug. 27, 1946. Class 6.

Sanitarium and Hospital Equipment Company, to Battle Creek Equipment Company, Battle Creek, Mich. Therapeutic lamps. 204,491; renewed Oct. 20, 1945. O. G. Nov. 26. Class 44.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 216,340; renewed Aug. 10, 1946. O. G. Nov. 26. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 425,499; Nov. 26; Serial No. 478,355; published Feb. 27, 1945. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 425,614; Nov. 26; Serial No. 495,765; published Sept. 3, 1946. Class 44.

Schwartz, Paul, New York, N. Y. Window drapes and hangings. 425,619; Nov. 26; Serial No. 496,168; published Sept. 3, 1946. Class 42.

Searles, Ennis N., doing business as Athlophoros Company, Pomfret Center, Conn. Specific for the treatment of neuralgia and rheumatism. 425,647; Nov. 26; Serial No. 498,033; published Sept. 3, 1946. Class 6.

Seffel, Josephine E., doing business as Golden Kettle Syrup Co., to F. A. Bueche, San Antonio, Tex. Table sirup. 218,038; renewed Sept. 21, 1946. O. G. Nov. 26, 1946. Class 46.

Semet-Solvay Company, New York, N. Y. Coke. 425,584; Nov. 26; Serial No. 493,150; published Sept. 3, 1946. Class 1.

Sensenich Brothers, Lancaster, Pa. Airplane propellers. 425,640; Nov. 26; Serial No. 497,342; published Sept. 3, 1946. Class 19.

Servicised Products Company: *See*—
Fischer, Albert C.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Pens, pencils, and desk stand. 219,435; renewed Oct. 19, 1946. O. G. Nov. 26. Class 37.

Shepherd, T. D., & Co.: *See*—
Meukow, A. C., & Co.

Shippers Sales Service, Nogales, Ariz. Fresh vegetables. 425,581; Nov. 26; Serial No. 492,861; published Sept. 3, 1946. Class 46.

Shurebite Inc., Bronson, Mich. Fish lures. 425,687–8; Nov. 26; Serial Nos. 503,136–7; published Sept. 3, 1946. Class 22.

Slater Manufacturing Co., Inc.: *See*—
Slater, S., & Sons, Inc.

Slater, S., & Sons, Inc., Webster, Mass., to Slater Manufacturing Co., Inc., Slater, S. C., and Greensboro, N. C. Textile fabrics composed of cotton and rayon. 211,475; renewed Apr. 13, 1946. O. G. Nov. 26. Class 42.

Smith, Esther, Cleveland, Ohio. Hair oils, hair growth stimulators and lotions. 425,503; Nov. 26; Serial No. 479,904; published Aug. 20, 1946. Class 6.

Smith, Kline & French Laboratories, Philadelphia, Pa. Pharmaceutical preparations. 425,621; Nov. 26; Serial No. 496,341; published Sept. 3, 1946. Class 6.

Smith, Stephen & Company Limited, Bow, London, England. Medicated and tonic wine. 218,829; renewed Oct. 5, 1946. O. G. Nov. 26. Class 6.

Societe Anonyme de la Manufacture d'Horlogerie Audemars Piguet & Cie, Le Brassus, Switzerland. Time pieces. 425,535; Nov. 26; Serial No. 488,710; published Sept. 3, 1946. Class 27.

Solar Corporation, Milwaukee, Wis., and Webster City, Iowa. Motor scooters. 425,665; Nov. 26; Serial No. 499,166; published Sept. 3, 1946. Class 19.

Sonneborn, L., Sons, Inc., New York, N. Y. Hardening and waterproofing powdered composition. 425,496; Nov. 26; Serial No. 476,852; published Sept. 3, 1946. Class 12.

Southern Bargain House, Inc., Richmond, Va. Felt base floor coverings. 425,582; Nov. 26; Serial No. 493,027; published Aug. 6, 1946. Class 20.

Squibb, E. R., & Sons, New York, N. Y. Preparations for producing muscular relaxation. 425,666; Nov. 26; Serial No. 499,169; published Aug. 27, 1946. Class 6.

Stafford, Claude W., Florence, Ala. Dog mange medicine. 425,561; Nov. 26; Serial No. 491,521; published Sept. 3, 1946. Class 6.

Standard Milling Company, New York, N. Y., assignor to Standard Milling Company, Chicago, Ill. Wheat flour. 425,605; Nov. 26; Serial No. 495,157; published Sept. 3, 1946. Class 46.

Standard Oil Company, Bayonne, N. J., to Standard Oil Company of New Jersey, Wilmington, Del. Oil-lamps. 57,820; re-renewed Nov. 27, 1946. O. G. Nov. 26. Class 34.

Standard Oil Company of New Jersey: *See*—
Standard Oil Company.
Standard Oil Company (New Jersey).

Standard Oil Company (New Jersey), Bayonne, N. J., to Standard Oil Company of New Jersey, Wilmington, Del. Refined, semirefined, and unrefined oils. 220,294; renewed Nov. 9, 1946. O. G. Nov. 26. Class 15.

Stindro Manufacturing Company: *See*—
Stinne, Leslie W.

Stinne, Leslie W., doing business as Stindro Manufacturing Company, Dallas, Tex. Clothespins. 425,510; Nov. 26; Serial No. 482,223; published Aug. 20, 1946. Class 24.

Stratton, Harry D., to Ranier Brewing Company, San Francisco, Calif. Old German lager beer. 212,213; renewed Apr. 27, 1946. O. G. Nov. 26. Class 48.

Studebaker Corporation, The, to The Studebaker Corporation, South Bend, Ind. Internal-combustion engines and structural parts thereof, including pistons. 220,402; renewed Nov. 9, 1946. O. G. Nov. 26. Class 23.

Sun-Maid Growers of California, Fresno, Calif. Dried raisins. 221,450; renewed Nov. 30, 1946. O. G. Nov. 26. Class 46.

Suter Hartmann & Rahtjens Composition Company, Limited, London, England, to Red Hand Compositions Company, Inc., New York, N. Y. Ready-mixed anticorrosive paints. 56,803; re-renewed Oct. 16, 1946. O. G. Nov. 26. Class 16.

Swartwout Company, The, Cleveland, Ohio. Roof ventilators, power driven fan ventilators, and rotary roof ventilators, etc. 425,610; Nov. 26; Serial No. 495,525; published Sept. 3, 1946. Class 34.

Switzer Brothers, Cleveland, Ohio. Embalming fluids. 425,562; Nov. 26; Serial No. 491,598; published Aug. 20, 1946. Class 6.

Syracuse Ornamental Co., New York, N. Y. Goods not made of precious or semi-precious metal. 425,550; Nov. 26; Serial No. 490,979; published Sept. 3, 1946. Class 8.

Taggert Baking Company, Indianapolis, Ind., to Continental Baking Company, New York, N. Y. Bread and cake. 215,188; renewed July 13, 1946. O. G. Nov. 26. Class 46.

Tanglefoot Company, The: *See*—
Thum, O. & W., Company, The.

Terrytoons, Inc., New Rochelle, N. Y. Motion picture films of animated cartoons with synchronized sound track thereon. 425,600; Nov. 26; Serial No. 494,721; published Sept. 3, 1946. Class 26.

Theobald Industries, The, Kearny and Harrison, N. J. Dog food. 425,634; Nov. 26; Serial No. 497,139; published Sept. 3, 1946. Class 46.

Thum, O. & W., Company, The, to The Tanglefoot Company, Grand Rapids, Mich. Sticky preparation in the form of sticky fly-paper. 57,566; re-renewed Nov. 13, 1946. O. G. Nov. 26. Classes 6 and 50.

Thum, O. & W., Company, to The Tanglefoot Company, Grand Rapids, Mich. Sticky fly-paper. 57,567; re-renewed Nov. 13, 1946. O. G. Nov. 26. Class 50.

Tiona Petroleum Company, Philadelphia, Pa. Core oils. 221,423; renewed Nov. 30, 1946. O. G. Nov. 26. Class 5.

Town and Country Shoes, Sedalia, Mo. Handbags. 425,553; Nov. 26; Serial No. 491,221; published Sept. 3, 1946. Class 3.

Transcontinental Export & Import Co. Inc., assignee: *See*—
Ronai, Arthur.

Triangle Publications, Inc.: *See*—
Daily Racing Form Publishing Company.

Tripod Paint Co., The, to Tripod Paints, Inc., Atlanta, Ga. Calcimine. 54,486; re-renewed June 26, 1946. O. G. Nov. 26. Class 16.

Tripod Paints, Inc.: *See*—
Tripod Paint Co., The.

Tungstone Products Limited: *See*—
Haddon, Walter.

Uddeholms Aktiebolag, Uddeholm, Sweden. Iron and steel. 212,593; renewed May 11, 1946. O. G. Nov. 26. Class 14.

United Shoe Machinery Company, Boston, Mass., to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass. Nails. 53,736; re-renewed June 12, 1946. O. G. Nov. 26. Class 13.

United Shoe Machinery Corporation: *See*—
United Shoe Machinery Company.

United States Leather Company, The, to The United States Leather Company, New York, N. Y. Sole leather. 221,135; renewed Nov. 23, 1946. O. G. Nov. 26. Class 1.

Universal Gypsum Company, now Universal Gypsum & Lime Co., Chicago, Ill., to National Gypsum Company, Buffalo, N. Y. Plaster board and plaster lath. 221,371; renewed Nov. 30, 1946. O. G. Nov. 26. Class 12.

Universal Gypsum & Lime Co.: *See*—
Universal Gypsum Company.

Universal Zonolite Insulation Co., Chicago, Ill. Admixture of vermiculite, Portland cement, and a waterproofing compound. 425,522; Nov. 26; Serial No. 486,701; published Sept. 3, 1946. Class 12.

Up-John Company, The, Kalamazoo, Mich. Medicinal preparation. 425,567; Nov. 26; Serial No. 491,689; published Apr. 16, 1946. Class 6.

Valley View Packing Company, San Jose, Calif. Dried fruits, raisins and currants. 425,546; Nov. 26; Serial No. 489,997; published Sept. 3, 1946. Class 46.

Valmor Products Co., Chicago, Ill. Hair dressing. 425,660; Nov. 26; Serial No. 498,959; published Aug. 27, 1946. Class 6.

Van Patten Pharmaceutical Co., Chicago, Ill. Brominated thyroid products. 425,673; Nov. 26; Serial No. 499,584; published Sept. 3, 1946. Class 6.

Vapor Engineering Corporation, Los Angeles, Calif. Degreasing solvent. 425,650; Nov. 26; Serial No. 498,330; published Aug. 20, 1946. Class 6.

Velsicol Corporation, Chicago, Ill. Insecticides and fungicides. 425,674; Nov. 26; Serial No. 499,586; published Sept. 3, 1946. Class 6.

Velsicol Corporation, Chicago, Ill. Insecticides and fungicides. 425,675; Nov. 26; Serial No. 499,588; published Sept. 3, 1946. Class 6.

Velsicol Corporation, Chicago, Ill. Insecticides and fungicides. 425,676; Nov. 26; Serial No. 499,591; published Sept. 3, 1946. Class 6.

Visking Corporation, The, Chicago, Ill. Cellulose casings and tubing used as containers. 425,530; Nov. 26; Serial No. 487,744; published Sept. 3, 1946. Class 2.

Vitamins & Pharmaceuticals, Inc., Dover, Del. B-complex with amino acid hydrolysate and estrogenic hormone. 425,627; Nov. 26; Serial No. 496,588; published Sept. 3, 1946. Class 6.

Vitamins & Pharmaceuticals, Inc., Dover, Del. Calcium ascorbate acetylsalicylate with vitamin K. 425,628; Nov. 26; Serial No. 496,589; published Aug. 20, 1946. Class 6.

Vogel, Louis, Chicago, Ill. Finger rings, wedding bands, and mountings therefor. 425,629; Nov. 26; Serial No. 496,674; published Aug. 6, 1946. Class 28.

Von Allmen, C., Preserving Co., The, Louisville, Ky. Mayonnaise, Thousand Island dressing, and sandwich spread. 214,873; renewed July 6, 1946. O. G. Nov. 26. Class 46.

Walker, Thomas, & Son Limited, Birmingham, England. Ship-logs and sounding-machines. 52,703; re-renewed May 15, 1946. O. G. Nov. 26. Class 26.

Walker, Thomas, & Son Limited, Birmingham, England. Ship-logs and sounding-machines. 52,705; re-renewed May 15, 1946. O. G. Nov. 26. Class 26.

Walker, Thomas, & Son Limited, Birmingham, England. Ship-logs and sounding-machines. 54,687; re-renewed June 26, 1946. O. G. Nov. 26. Class 26.

Walkerley, Rodney L., trustee: *See*—
Beetham, M., & Son.

Wallerstein Company, Inc.: *See*—
American Burtonizing Company.

Wallerstein Laboratories: *See*—
American Burtonizing Company.

Warner, Milton M., Brodbecks, Pa. Solution having antiseptic, deodorant, disinfectant, and sterilizing properties. 219,095; renewed Oct. 12, 1946. O. G. Nov. 26. Class 6.

Waukegan Chemical Company, North Chicago, Ill., to Atlas Powder Company, Wilmington, Del. Impervious film coatings. 221,177; renewed Nov. 23, 1946. O. G. Nov. 26. Class 16.

Waukegan Chemical Company, North Chicago, Ill., to Atlas Powder Company, Wilmington, Del. Film coating materials. 221,208; renewed Nov. 23, 1946. O. G. Nov. 26. Class 16.

Waukegan Chemical Company, North Chicago, Ill., to Atlas Powder Company, Wilmington, Del. Impervious film coatings. 221,209; renewed Nov. 23, 1946. O. G. Nov. 26. Class 16.

Weber, F., Co., Philadelphia, Pa. Artists' colors, students' and show-card colors in all mediums. 221,528; renewed Dec. 7, 1946. O. G. Nov. 26. Class 16.

Weber, William A., doing business as Mankato Hatchery, to C. Weight, doing business as Mankato Hatchery, Mankato, Minn. Live poultry. 217,667; renewed Sept. 7, 1946. O. G. Nov. 26. Class 46.

Weight, Charlotte: *See*—
Weber, William A.

West Lumber Company, to West Lumber Company, Atlanta, Ga. Composition roofing, lumber, and shingles. 209,189; renewed Feb. 16, 1946. O. G. Nov. 26. Class 12.

West Lumber Company, to West Lumber Company, Atlanta, Ga., Raw linseed oil, boiled linseed oil, turpentine, etc. 209,350; renewed Feb. 23, 1946. O. G. Nov. 26. Class 16.

Western Auto Supply Company, Kansas City, Mo. Power driven mechanical washers and ironers. 425,528; Nov. 26; Serial No. 487,653; published Aug. 20, 1946. Class 24.

Western Carolina Furniture Company, Hickory, N. C. Upholstered living room chairs. 425,683; Nov. 26; Serial No. 500,265; published Sept. 3, 1946. Class 32.

Western Columbia Manufacturing Co., Los Angeles, Calif. Diablo tops. 425,570; Nov. 26; Serial No. 491,905; published Sept. 3, 1946. Class 22.

Wheeler Shipbuilding Corporation, Whitestone, Long Island, N. Y. Motor boats, power boats, and the like. 425,635; Nov. 26; Serial No. 497,152; published Aug. 20, 1946. Class 19.

Whip-Mix Corporation: *See*—
Falls City Dental Specialty Co., Inc.
Falls City Dental Specialty Co. Inc.

Whiting Paper Company, Holyoke, Mass. Fine writing-paper. 57,931–2; re-renewed Dec. 4, 1946. O. G. Nov. 26. Class 37.

Whittard, Frank S., trustee: *See*—
Beetham, M., & Son.

Williams, Bill, Chicken House: *See*—
Williams, James A.

Williams, James A., doing business as Bill Williams Chicken House, Houston, Mass. Fried chicken. 425,574; Nov. 26; Serial No. 492,533; published Feb. 3, 1946. Class 46.

Wilson, Thomas B., Minneapolis, Minn. Lockets. 425,579; Nov. 26; Serial No. 492,810; published Aug. 6, 1946. Class 28.

Winthrop Chemical Company, Inc., New York, N. Y. Bronchodilator preparation. 425,681; Nov. 26; Serial No. 499,746; published Sept. 3, 1946. Class 6.

Wolf Brothers and Company, The, Cincinnati, Ohio, to American Girl Shoe Co., Boston, Mass. Ladies' leather shoes. 56,100; re-renewed Aug. 21, 1946. O. G. Nov. 26. Class 39.

Wood, C. D., Electric Company, Inc., New York, N. Y. Single flush receptacles, duplex flush receptacles, sign receptacles, etc. 221,833; renewed Dec. 14, 1946. O. G. Nov. 26. Class 21.

Wynne Precision Company, Griffin, Ga. Fishing tackle. 425,555; Nov. 26; Serial No. 491,299; published Sept. 3, 1946. Class 22.

Wynne Precision Company, Griffin, Ga. Fishing tackle. 425,556–7; Nov. 26; Serial Nos. 491,301–2; published Sept. 3, 1946. Class 22.

Zadek Feldstein Co., Inc., New York, N. Y. Plastic feeding sets. 425,531; Nov. 26; Serial No. 487,833; published Sept. 3, 1946. Class 50.

Zitomer Chemists, Inc., New York, N. Y. Eye wash. 425,622; Nov. 26; Serial No. 496,359; published Aug. 27, 1946. Class 6.

Zitomer Chemists, Inc., New York, N. Y. Vitamin preparation. 425,623; Nov. 26; Serial No. 496,360; published Aug. 27, 1946. Class 6.

Zussman, Jeannette R., doing business as Interstate Popcorn Co., Boston, Mass. Popcorn, etc. 425,580; Nov. 26; Serial No. 492,812; published Sept. 3, 1946. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coke. Semet-Solvay Company. 425,584; Nov. 26; Serial No. 493,150; published Sept. 3, 1946.

Leather, Sole. United States Leather Company. 221,135; renewed Nov. 23, 1946. O. G. Nov. 26.

Plastic compositions in sheet, rod, or tube form, Natural and synthetic. A. C. Fischer. 425,485; Nov. 26; Serial No. 459,805; published Sept. 3, 1946.

Resins, Synthetic. Monsanto Chemical Company. 425,552; Nov. 26; Serial No. 491,109; published Sept. 3, 1946.

Seed, Lawn. Germain Seed and Plant Co. 425,571; Nov. 26; Serial No. 491,913; published Sept. 3, 1946.

Seeds, Grass and field. Albert Dickinson Company. 58,293; re-renewed Dec. 11, 1946. O. G. Nov. 26.

Seeds, Vegetable and flower. Germain Seed and Plant Co. 425,543; Nov. 26; Serial No. 489,509; published Sept. 3, 1946.

Silk, Raw artificial. Du Pont Rayon Company. 221,766; renewed Dec. 7, 1946. O. G. Nov. 26.

CLASS 2

Bags and sacks, Fabric. Bemis Bro. Bag Company. 425,551; Nov. 26; Serial No. 491,055; published Sept. 3, 1946.

Bags, Paper. Perfection Twine Company. 425,527; Nov. 26; Serial No. 487,634; published Sept. 3, 1946.

Casings and tubing used as containers, Cellulose. Visking Corporation. 425,530; Nov. 26; Serial No. 487,744; published Sept. 3, 1946.

Tanks, Air-compressor. Champion Pneumatic Machinery Company. 216,393; renewed Aug. 10, 1946. O. G. Nov. 26.

Water-bags. Adam Appel Company. 54,030; re-renewed June 19, 1946. O. G. Nov. 26.

CLASS 3

Brief cases. Prime Leather Co., Inc. 425,648; Nov. 26; Serial No. 498,078; published Sept. 3, 1946.

Collars, halters, straps, etc., Horse. Lichtenberger-Ferguson Company. 425,539; Nov. 26; Serial No. 489,129; published Sept. 3, 1946.

Handbags. Town and Country Shoes. 425,553; Nov. 26; Serial No. 491,221; published Sept. 3, 1946.

CLASS 4

Soap substitute applied to textiles and leather as a finishing agent and detergent. Refined Products Company. 425,589–91; Nov. 26; Serial Nos. 493,509–11; published Aug. 6, 1946.

CLASS 5

Oils, Core. Tiona Petroleum Company. 221,423; renewed Nov. 30, 1946. O. G. Nov. 26.

CLASS 6

Alcohol, Dihydric. Commercial Solvents Corporation. 425,505; Nov. 26; Serial No. 480,313; published Sept. 3, 1946.

Antiseptic solution. Hance Brothers & White, Inc. 211,238; renewed Apr. 6, 1946. O. G. Nov. 26.

Astringent and a drinking water bacteriostat, etc., Mild. Dr. Salsbury's Laboratories. 425,509; Nov. 26; Serial No. 482,076; published Aug. 27, 1946.

B-complex with amino acid hydrolysate and estrogenic hormone. Vitamins & Pharmaceuticals, Inc. 425,627; Nov. 26; Serial No. 496,588; published Sept. 3, 1946.

Bronchodilator preparation. Winthrop Chemical Company, Inc. 425,681; Nov. 26; Serial No. 499,746; published Sept. 3, 1946.

Calcium ascorbate acetylsalicylate with vitamin K. Vitamins & Pharmaceuticals, Inc. 425,628; Nov. 26; Serial No. 496,589; published Aug. 20, 1946.

Chemical composition. F. K. Chambers. 425,646; Nov. 26; Serial No. 497,984; published Aug. 20, 1946.

Chemical preparations. Agawam Chemicals, Inc. 425,532; Nov. 26; Serial No. 488,074; published Sept. 3, 1946.

Chemical products. Monsanto Chemical Company. 425,651; Nov. 26; Serial No. 498,355; published Aug. 20, 1946.

Chemical substances used in analysis. Ridsdale & Co. Limited. 425,645; Nov. 26; Serial No. 497,816; published Sept. 3, 1946.

Chemicals. H. P. Andrews Company. 425,653; Nov. 26; Serial No. 498,574; published Aug. 20, 1946.

Coating compositions, Resinous. Better Finishes and Coatings, Inc. 425,521; Nov. 26; Serial No. 486,648; published Sept. 3, 1946.

Cologne and after shave lotion, Men's. Man of Manhattan. 425,578; Nov. 26; Serial No. 492,775; published Sept. 3, 1946.

Cologne, talcum powder, after-shave lotion, etc. Parfait, Incorporated. 425,679; Nov. 26; Serial No. 499,648; published Sept. 3, 1946.

Composition containing chemical ingredients. Flower Foods, Inc. 425,514; Nov. 26; Serial No. 483,222; published Aug. 27, 1946.

Cream and astringent lotion, Complexion. Artesia Cream Company. 216,576; renewed Aug. 17, 1946. O. G. Nov. 26.

Cream shampoo. Civray, Inc. 425,617; Nov. 26; Serial No. 495,865; published Aug. 27, 1946.

Degreasing solvent. Vapor Engineering Corporation. 425,650; Nov. 26; Serial No. 498,330; published Aug. 20, 1946.

Dental medicament. Graham Chemical Company. 425,572; Nov. 26; Serial No. 491,972; published Aug. 20, 1946.

Deodorants. Hirsch Laboratories. 425,537; Nov. 26; Serial No. 488,880; published Feb. 19, 1946.

Deodorizers, Refrigerator and icebox. Requa Manufacturing Co., Inc. 425,633; Nov. 26; Serial No. 491,131; published Sept. 3, 1946.

Dressing, Hair. Valmor Products Co. 425,660; Nov. 26; Serial No. 498,959; published Aug. 27, 1946.

Dyes and colorings. Gypsy Dyes, Inc. 215,005; renewed July 6, 1946. O. G. Nov. 26.

Eye wash. Zitomer Chemists, Inc. 425,622; Nov. 26; Serial No. 496,359; published Aug. 27, 1946.

Fluids, Embalming. Switzer Brothers. 425,562; Nov. 26; Serial No. 491,598; published Aug. 20, 1946.

Fluids for embalming and for disinfecting the dead human body. W. L. Armstrong. 425,641; Nov. 26; Serial No. 497,360; published Sept. 3, 1946.

Food and medicine for cattle and other live stock, Compound used as a. Dr. Hess & Clark. 53,247; re-renewed May 29, 1946. O. G. Nov. 26.

Hair waving solutions. S. Molchan. 425,526; Nov. 26; Serial No. 487,331; published Sept. 3, 1946.

Insecticide. William Peterman, Inc. 425,599; Nov. 26; Serial No. 494,574; published Sept. 3, 1946.

Insecticides. McLaughlin Gormley King Company. 425,664; Nov. 26; Serial No. 499,141; published Aug. 27, 1946.

Insecticides and fungicides. Velsicol Corporation. 425,674; Nov. 26; Serial No. 499,586; published Sept. 3, 1946.

Insecticides and fungicides. Velsicol Corporation. 425,675; Nov. 26; Serial No. 499,588; published Sept. 3, 1946.

Insecticides and fungicides. Velsicol Corporation. 425,676; Nov. 26; Serial No. 499,591; published Sept. 3, 1946.

Intravenous solution. Wm. S. Merrell Company. 425,573; Nov. 26; Serial No. 492,214; published Sept. 3, 1946.

Lipstick, rouge, nail polish, etc. E. T. Nutter. 425,626; Nov. 26; Serial No. 496,459; published Sept. 3, 1946.

Mange medicine, Dog. C. W. Stafford. 425,561; Nov. 26; Serial No. 491,521; published Sept. 3, 1946.

Medical composition containing vitamins, minerals, and lactose. Calvital Company. 425,486; Nov. 26; Serial No. 460,594; published Aug. 27, 1946.

Medicinal application, External. Buffington's Inc. 425,594; Nov. 26; Serial No. 494,013; published Aug. 27, 1946.

Medicinal preparation. Up-John Company. 425,567; Nov. 26; Serial No. 491,689; published Apr. 16, 1946.

Medicinal preparations. Dr. D. Jayne & Son, Inc. 425,659; Nov. 26; Serial No. 498,903; published Aug. 27, 1946.

Medicine, Counter-irritant. Desron Company. 425,678; Nov. 26; Serial No. 499,612; published Sept. 3, 1946.

Nail enamel, lipsticks, face powder, and rouge. Revlon Products Corporation. 425,536; Nov. 26; Serial No. 488,870; published Aug. 27, 1946.

Oil compounds; pomades; tinctures of ambergris; etc., Essential. Antoine Chiris Company, Inc. 425,654; Nov. 26; Serial No. 498,581; published Aug. 20, 1946.

Oil, Medicated hog. Central Petroleum Company. 425,519; Nov. 26; Serial No. 485,752; published Sept. 3, 1946.
Oils, hair growth stimulators, and hair lotions, Hair. E. Smith. 425,503; Nov. 26; Serial No. 479,904; published Aug. 20, 1946.
Ointments. Chatham Pharmaceuticals, Inc. 425,511; Nov. 26; Serial No. 482,414; published Aug. 20, 1946.
Parasiticides. California Spray-Chemical Corporation. 425,611; Nov. 26; Serial No. 495,570; published Sept. 3, 1946.
Perfume. J. H. Butler. 425,587; Nov. 26; Serial No. 493,320; published Sept. 3, 1946.
Perfume, toilet water, lotion, etc. Houbigant, Inc. 221,886; renewed Dec. 14, 1946. O. G. Nov. 26.
Perfumes. Parfumerie Fragonard G. Fuchs & Cie. 425,533; Nov. 26; Serial No. 488,120; published Sept. 3, 1946.
Perfumes and toilet water. Le Galion, S. A. 425,655–8; Nov. 26; Serial Nos. 498,777–80; published Aug. 27, 1946.
Perfumes and toilet water. Jean Patou, Inc. 425,517; Nov. 26; Serial No. 484,458; published Aug. 27, 1946.
Perfumes and toilet waters. Parfum L'Orle, Inc. 425,597; Nov. 26; Serial No. 494,515; published Sept. 3, 1946.
Perfumes, colognes, bath salts, etc. Linnen Perfumes, Inc. 425,520; Nov. 26; Serial No. 486,493; published Aug. 27, 1946.
Perfumes, colognes, toilet waters, etc. Parfums Schiaparelli, Inc. 425,686; Nov. 26; Serial No. 502,153; published Aug. 27, 1946.
Pharmaceutical preparations. Biochemical Products Corporation. 425,669–71; Nov. 26; Serial Nos. 499,310–12; published Aug. 27, 1946.
Pharmaceutical preparations. Smith, Kline & French Laboratories. 425,621; Nov. 26; Serial No. 496,341; published Sept. 3, 1946.
Pomade, Hair. I. Dinerman. 425,663; Nov. 26; Serial No. 499,052; published Aug. 27, 1946.
Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 425,548; Nov. 26; Serial No. 490,480; published Mar. 26, 1946.
Powder, lip stick, pomade, etc., Face. Mary Scott Rowland, Ltd. 425,603; Nov. 26; Serial No. 494,925; published Aug. 27, 1946.
Preparation for the skin, Toilet. M. Beetham & Son. 28,277; re-renewed May 19, 1946. O. G. Nov. 26.
Preparation for the treatment of hogs. R. T. Endicott. 425,524; Nov. 26; Serial No. 487,182; published Aug. 27, 1946.
Preparation for use as an enema. L. G. Chamberlin. 425,544; Nov. 26; Serial No. 489,654; published Sept. 3, 1946.
Preparation indicated for use in allergic conditions. Ciba Pharmaceutical Products, Inc. 425,662; Nov. 26; Serial No. 498,981; published Aug. 27, 1946.
Preparation supplied in the form of sticky fly-paper, Sticky. O. & W. Thum Company. 57,566; re-renewed Nov. 13, 1946. O. G. Nov. 26.
Preparation, Toilet. G. O. Darden. 425,593; Nov. 26; Serial No. 493,594; published Aug. 20, 1946.
Preparations for producing muscular relaxation. E. R. Squibb & Sons. 425,666; Nov. 26; Serial No. 499,169; published Aug. 27, 1946.
Resins, Synthetic. American Cyanamid Company. 425,534; Nov. 26; Serial No. 488,439; published Aug. 20, 1946.
Rouge, face powder, perfume, toilet water, etc. A. Ronai. 425,608; Nov. 26; Serial No. 495,408; published Sept. 3, 1946.
Shampoo, Creme. Raymond Laboratories, Inc. 425,498; Nov. 26; Serial No. 477,666; published Mar. 6, 1945.
Shampoos. J. O. Davies. 425,632; Nov. 26; Serial No. 497,061; published July 16, 1946.
Solution having antiseptic, deodorant, disinfectant, and sterilizing properties. M. M. Warner. 219,095; renewed Oct. 12, 1946. O. G. Nov. 26.
Solutions of hematoporphyrin, Congo red, capsules of nitroglycerine preparations, Aqueous. Cosmos International Corporation. 425,667; Nov. 26; Serial No. 499,207; published Aug. 20, 1946.
Solvent and cleaner, Chemical. Petroleum Solvents Corporation. 425,615–16; Nov. 26; Serial Nos. 495,818–19; published Aug. 27, 1946.
Tablet for use as a diuretic and myocardinal stimulant. Wm. S. Merrell Company. 425,569; Nov. 26; Serial No. 491,873; published Sept. 3, 1946.
Tablets. K. A. Hughes Company. 221,897; renewed Dec. 14, 1946. O. G. Nov. 26.
Tablets, rubbing alcohol, zinc ointment, etc., Cascara sagrada. Boston Drug & Chemical Co. 425,609; Nov. 26; Serial No. 495,445; published Sept. 3, 1946.
Tarnish preventive. K. K. Benoliel. 425,649; Nov. 26; Serial No. 498,267; published Sept. 3, 1946.
Thyroid products, Brominated. Van Patten Pharmaceutical Co. 425,673; Nov. 26; Serial No. 499,584; published Sept. 3, 1946.
Toilet preparations. Les Parfums de Dana, Inc. 425,680; Nov. 26; Serial No. 499,720; published Sept. 3, 1946.
Toiletries, Gentlemen's. Parfums Charbert, Inc. 425,598; Nov. 26; Serial No. 494,571; published Aug. 13, 1946.
Toiletries, Men's. Man of Manhattan, Inc. 425,563; Nov. 26; Serial No. 491,651; published Sept. 3, 1946.
Toiletries, Men's. Man of Manhattan, Inc. 425,564–6; Nov. 26; Serial Nos. 491,657–9; published Sept. 3, 1946.
Tonic and conditioner, an ointment or salve, Poultry. Johnson & Co. 425,577; Nov. 26; Serial No. 492,773; published Aug. 20, 1946.
Treatment of neuralgia and rheumatism, Specific for the. E. N. Searles. 425,647; Nov. 26; Serial No. 498,033; published Sept. 3, 1946.
Vitamin preparation. Zitomer Chemists, Inc. 425,623; Nov. 26; Serial No. 496,360; published Aug. 27, 1946.
Wafers, Vaporizing heat. Electroma Company. 425,559; Nov. 26; Serial No. 491,404; published Sept. 3, 1946.
Wine, Medicated and tonic. Stephen Smith & Company Limited. 218,829; renewed Oct. 5, 1946. O. G. Nov. 26.

CLASS 8

Goods not made of precious or semi-precious metal. Syracuse Ornamental Co. 425,550; Nov. 26; Serial No. 490,979; published Sept. 3, 1946.

CLASS 12

Admixture of vermiculite, Portland cement and a waterproofing compound. Universal Zonolite Insulation Co. 425,522; Nov. 26; Serial No. 486,701; published Sept. 3, 1946.
Buildings, Prefabricated. M. B. M. Company. 425,672; Nov. 26; Serial No. 499,561; published Sept. 3, 1946.
Hardening and waterproofing powdered composition. L. Sonneborn Sons, Inc. 425,496; Nov. 26; Serial No. 476,852; published Sept. 3, 1946.
Metal grating for floorings, staircases, and roadways. Irving Iron Works Company. 214,335; renewed June 22, 1946. O. G. Nov. 26.
Plaster board and plaster lath. Universal Gypsum Company. 221,371; renewed Nov. 30, 1946. O. G. Nov. 26.
Roofing, lumber, and shingles, Composition. West Lumber Company. 209,189; renewed Feb. 16, 1946. O. G. Nov. 26.

CLASS 13

Couplings, Flexible pipe. Pipe Couplings, Inc. 425,613; Nov. 26; Serial No. 495,623; published July 2, 1946.
Curtains, Shower bath. S. V. Boland. 425,525; Nov. 26; Serial No. 487,304; published Sept. 3, 1946.
Nails. United Shoe Machinery Company. 53,736; renewed June 12, 1946. O. G. Nov. 26.
Valves. William Powell Company. 57,131; re-renewed Nov. 6, 1946. O. G. Nov. 26.

CLASS 14

Iron and steel. Uddeholms Aktiebolag. 212,593; renewed May 11, 1946. O. G. Nov. 26.

CLASS 15

Oils, lubricating oil, gasoline, etc., Refined. Kendall Refining Company. 216,831; renewed Aug. 24, 1946. O. G. Nov. 26.
Oils, Refined, semirefined, and unrefined. Standard Oil Company (New Jersey). 220,294; renewed Nov. 9, 1946. O. G. Nov. 26.

CLASS 16

Calcimine. Tripod Paint Co. 54,486; re-renewed June 26, 1946. O. G. Nov. 26.
Coating materials, Film. Waukegan Chemical Company. 221,208; renewed Nov. 23, 1946. O. G. Nov. 26.
Colors, students' and show-card colors in all mediums, Artists'. F. Weber Co. 221,528; renewed Dec. 7, 1946. O. G. Nov. 26.
Film coatings, Impervious. Waukegan Chemical Company. 221,177; renewed Nov. 23, 1946. O. G. Nov. 26.
Film coatings, Impervious. Waukegan Chemical Company. 221,209; renewed Nov. 23, 1946. O. G. Nov. 26.
Oil, boiled linseed oil, turpentine, etc., Raw linseed. West Lumber Company. 209,350; renewed Feb. 23, 1946. O. G. Nov. 26.
Paint enamels, dried, paste, and ready-mixed paints and finishing materials. Red Spot Paint & Varnish Company, Incorporated. 215,979; renewed Aug. 3, 1946. O. G. Nov. 26.
Paints, Ready-mixed anticorrosive. Suter Hartmann & Rahtjens Composition Company, Limited. 56,803; re-renewed Oct. 16, 1946. O. G. Nov. 26.
Varnish, japan, and varnish-stains. Murphy Varnish Company. 57,737; re-renewed Nov. 27, 1946. O. G. Nov. 26.
Varnishes, stains, japans, and surfacers. Chicago Varnish Co. 54,001; re-renewed June 19, 1946. O. G. Nov. 26.

CLASS 17

Cigars. Compañia General de Tabacos de Filipinas. 55,371; re-renewed Aug. 14, 1946. O. G. Nov. 26.
Cigars. Compañia General de Tabacos de Filipinas. 55,447; re-renewed Aug. 14, 1946. O. G. Nov. 26.
Cigars. Compañia General de Tabacos de Filipinas. 55,560; re-renewed Aug. 14, 1946. O. G. Nov. 26.
Cigars. E. Goss & Company. 221,877; renewed Dec. 14, 1946. O. G. Nov. 26.

CLASS 19

Aeroplanes. Curtiss Aeroplane and Motor Company, Inc. 214,333; renewed June 22, 1946. O. G. Nov. 26.
Boats, power boats and the like, Motor. Wheeler Shipbuilding Corporation. 425,635; Nov. 26; Serial No. 497,152; published Aug. 20, 1946.
Boats, sail boats, and motor boats, Row. Blakey Engineering and Marine Co. 425,636; Nov. 26; Serial No. 497,161; published Sept. 3, 1946.
Frames for windows and wind shields, glazing strips, etc., Complete. Hallam, Sleigh & Cheston. 425,501; Nov. 26; Serial No. 479,342; published Aug. 6, 1946.
Hand-brake mechanism. National Brake Company Incorporated. 221,739; renewed Dec. 7, 1946. O. G. Nov. 26.
Planes, Glider. Laister-Kauffmann Aircraft Corporation. 425,545; Nov. 26; Serial No. 489,914; published Aug. 20, 1946.
Propellers, Airplane. Sensenich Brothers. 425,640; Nov. 26; Serial No. 497,342; published Sept. 3, 1946.
Scooters and motorcycles, Two and three wheel motor. Cushman Overseas Co. 425,576; Nov. 26; Serial No. 492,616; published Sept. 3, 1946.
Scooters, Motor. Solar Corporation. 425,665; Nov. 26; Serial No. 499,166; published Sept. 3, 1946.
Strollers, Children's. Allied American Steel Corporation. 425,624; Nov. 26; Serial No. 496,363; published Aug. 6, 1946.
Vehicles, Scooter-type wheeled. H. M. Kinslow. 425,639; Nov. 26; Serial No. 497,252; published Aug. 6, 1946.

CLASS 20

Coverings, Felt base floor. Southern Bargain House, Inc. 425,582; Nov. 26; Serial No. 493,027; published Aug. 6, 1946.
Linoleum rugs and inlaid linoleum, composition floor coverings, etc., Inlaid. Oakes & Company. 425,661; Nov. 26; Serial No. 498,921; published Aug. 20, 1946.

CLASS 21

Electric accumulators and accumulator boxes. W. Haddon. 212,897; renewed May 18, 1946. O. G. Nov. 26.
Flush receptacles, duplex flush receptacles, sign receptacles, etc., Single. C. D. Wood Electric Company. 221,833; renewed Dec. 14, 1946. O. G. Nov. 26.
Motors, Electrical. Brown-Brockmeyer Company. 215,250; renewed July 13, 1946. O. G. Nov. 26.
Signs, Outdoor and indoor electric. Flashtric Sign Works. 221,700; renewed Dec. 7, 1946. O. G. Nov. 26.

CLASS 22

Cards and game boards, Playing. R. D. Osgoodby. 425,568; Nov. 26; Serial No. 491,766; published Sept. 3, 1946.
Cue balls. Albany Billiard Ball Co. 221,882; renewed Dec. 14, 1946. O. G. Nov. 26.
Fish lures. Shurebite Inc. 425,687–8; Nov. 26; Serial Nos. 503,136–7; published Sept. 3, 1946.
Fishing tackle. Wynne Precision Company. 425,555; Nov. 26; Serial No. 491,299; published Sept. 3, 1946.
Fishing tackle. Wynne Precision Company. 425,556–7; Nov. 26; Serial Nos. 491,301–2; published Sept. 3, 1946.
Game, Card. A. Nathan. 425,518; Nov. 26; Serial No. 484,659; published Sept. 3, 1946.
Golf balls. Phillips Petroleum Company. 425,490; Nov. 26; Serial No. 469,307; published Sept. 3, 1946.
Golf balls and savings banks. Phillips Petroleum Company. 425,489; Nov. 26; Serial No. 468,731; published Sept. 3, 1946.
Golf clubs. Knight Screw Products Company. 425,684; Nov. 26; Serial No. 500,396; published Sept. 3, 1946.
Puzzles. M. P. Padgett. 425,682; Nov. 26; Serial No. 500,015; published Sept. 3, 1946.
Tops, Diablo. Western Columbia Manufacturing Co. 425,570; Nov. 26; Serial No. 491,905; published Sept. 3, 1946.
Walkers, Baby. La Porte Corporation. 425,523; Nov. 26; Serial No. 486,995; published Sept. 3, 1946.
Wheeled goods. La Porte Corporation. 425,540; Nov. 26; Serial No. 489,224; published Sept. 3, 1946.

CLASS 23

Apparatus for discharging water vapor into the atmosphere and regulators therefor, Humidifying. Parks-Cramer Company. 216,672; renewed Aug. 17, 1946. O. G. Nov. 26.
Engines and structural parts thereof, including pistons, Internal-combustion. Studebaker Corporation. 220,402; renewed Nov. 9, 1946. O. G. Nov. 26.
Sheet-metal-working machines, Certain named. Niagara Machine & Tool Works. 58,232; re-renewed Dec. 11, 1946. O. G. Nov. 26.
Swabs, Oil-well. L. G. Burt. 214,558; renewed June 29, 1946. O. G. Nov. 26.
Tongs, razors, and certain named edge tools and knives. E. A. Bergs Fabriks Aktiebolag. 208,290; renewed Jan. 26, 1946. O. G. Nov. 26.

CLASS 24

Clothespins. L. W. Stinne. 425,510; Nov. 26; Serial No. 482,223; published Aug. 20, 1946.
Ironing tables, Folding. National Washboard Company. 217,660; renewed Sept. 7, 1946. O. G. Nov. 26.
Racks for drying clothes, Clothes. F. L. Pollard Company. 425,642; Nov. 26; Serial No. 497,565; published Aug. 6, 1946.
Washers and ironers, Power driven mechanical. Western Auto Supply Company. 425,528; Nov. 26; Serial No. 487,653; published Aug. 20, 1946.
Washing and ironing machines, Domestic laundry. G. M. Gibson. 425,529; Nov. 26; Serial No. 487,716; published Sept. 3, 1946.
Washing machines, Clothes. National Trading Company. 425,541; Nov. 26; Serial No. 489,278; published Sept. 3, 1946.

CLASS 25

Latches and catches. National Lock Company. 425,586; Nov. 26; Serial No. 493,276; published Aug. 20, 1946.

CLASS 26

Casing of ships patent logs, Outer. Foilsain Metals Ltd. 425,497; Nov. 26; Serial No. 477,606; published Sept. 3, 1946.
Detecting or measuring equipment, etc., Electrical frequency. Panoramic Radio Corporation. 425,492–5; Nov. 26; Serial Nos. 475,066–9; published Sept. 3, 1946.
Equipment and parts therefor, Electrical. J. H. Cannon. 425,506–8; Nov. 26; Serial Nos. 481,096–8; published Sept. 3, 1946.
Film and photographic paper, Sensitized. Grant Photo Products, Inc. 425,595; Nov. 26; Serial No. 494,215; published Sept. 3, 1946.
Films of animated cartoons with synchronized sound track thereon, Motion picture. Terrytoons, Inc. 425,600; Nov. 26; Serial No. 494,721; published Sept. 3, 1946.
Meters, Electric. Bristol Company. 55,534; re-renewed Aug. 14, 1946. O. G. Nov. 26.
Paper for projection printing, Light sensitized photographic. Dassonville Co., Ltd. 425,604; Nov. 26; Serial No. 494,955; published Sept. 3, 1946.
Pressure-recorders. Bristol Company. 55,532; re-renewed Aug. 14, 1946. O. G. Nov. 26.
Ship-logs and sounding-machines. Thomas Walker & Son Limited. 52,703; re-renewed May 15, 1946. O. G. Nov. 26.
Ship-logs and sounding-machines. Thomas Walker & Son Limited. 52,705; re-renewed May 15, 1946. O. G. Nov. 26.
Ship-logs and sounding-machines. Thomas Walker & Son Limited. 54,687; re-renewed June 26, 1946. O. G. Nov. 26.
Stroboscopes. General Radio Company. 425,588; Nov. 26; Serial No. 493,486; published Sept. 3, 1946.
Thermometers and telethermometers. Bristol Company. 55,533; re-renewed Aug. 14, 1946. O. G. Nov. 26.

CLASS 27

Time pieces. Societe Anonyme de la Manufacture d'Horlogerie Audemars Piguet & Cie. 425,535; Nov. 26; Serial No. 488,710; published Sept. 3, 1946.
Watch and clock movements. Louis Aisenstein & Bros. 425,504; Nov. 26; Serial No. 480,098; published Aug. 20, 1946.
Watches. H. Goldwag. 425,644; Nov. 26; Serial No. 497,792; published Aug. 6, 1946.
Watches. Movado Watch Agency, Inc. 425,560; Nov. 26; Serial No. 491,424; published Sept. 3, 1946.
Watches and clocks. Invicta-Seeland, Inc. 425,488; Nov. 26; Serial No. 467,974; published Aug. 20, 1946.
Watches and parts thereof. Parker Watch Company. 425,668; Nov. 26; Serial No. 499,266; published Sept. 3, 1946.
Watches, parts of watches and watch casings. Les Fils de Paul Schwarz-Etienne. 425,592; Nov. 26; Serial No. 493,558; published May 7, 1946.
Watches, watch parts, clocks, etc. Didisheim, Goldschmidt fils et Cie, Fabrique Juvenia. 425,596; Nov. 26; Serial No. 494,313; published Aug. 6, 1946.

CLASS 28

Bracelets, watch straps, neck chains, Watch. Gemex Company. 425,542; Nov. 26; Serial No. 489,395; published Aug. 6, 1946.
Brooches, earrings, pins, etc. P. R. Freyd. 425,625; Nov. 26; Serial No. 496,440; published Aug. 6, 1946.
Configuration of living creatures, such as insects, for personal wear, etc., Fanciful. E. S. Moser. 425,607; Nov. 26; Serial No. 495,398; published Aug. 6, 1946.
Flatware and hollow ware, Silver. I. Freeman & Son, Inc. 425,631; Nov. 26; Serial No. 497,020; published Sept. 3, 1946.
Flat ware, hollow ware, and tableware, Silver-plated. Wm. A. Rogers Limited. 54,731; re-renewed June 26, 1946. O. G. Nov. 26.
Jewelry, Costume. Craft Precision Company. 425,612; Nov. 26; Serial No. 495,593; published Sept. 3, 1946.
Jewelry, Costume. L. G. Meyers. 425,602; Nov. 26; Serial No. 494,915; published Aug. 20, 1946.
Jewelry for personal adornment, not including watches. Marathon Company. 425,652; Nov. 26; Serial No. 498,427; published Aug. 20, 1946.

Jewelry for personal wear (not including watches). Cavu Company. 425,637; Nov. 26; Serial No. 497,167; published Sept. 3, 1946.
Jewelry for personal wear or adornment (not including watches). Robbins Company. 425,601; Nov. 26; Serial No. 494,798; published Sept. 3, 1946.
Lockets. T. B. Wilson. 425,579; Nov. 26; Serial No. 492,810; published Aug. 6, 1946.
Necklaces, pearl earrings, pearl bracelets, etc., Pearl. Coro Inc. 425,516; Nov. 26; Serial No. 483,422; published Aug. 6, 1946.
Pearls, cultured pearls, jewelry for personal use, Simulated. S. Rubin. 425,554; Nov. 26; Serial No. 491,288; published Aug. 6, 1946.
Rings, wedding bands and mountings therefor, Finger. L. Vogal. 425,629; Nov. 26; Serial No. 496,674; published Aug. 6, 1946.

CLASS 29

Brushes, Tooth. Affiliated Retailers, Inc. 425,677; Nov. 26; Serial No. 499,595; published Sept. 3, 1946.
Puffs and clothes brushes, Powder. Consolidated Cosmetics. 425,630; Nov. 26; Serial No. 496,689; published Aug. 6, 1946.

CLASS 30

Dinnerware, Vitreous china.. Buffalo Pottery Incorporated. 425,513; Nov. 26; Serial No. 482,728; published Sept. 3, 1946.

CLASS 31

Refrigerators. Dryice Corporation of America. 215,799; renewed July 27, 1946. O. G. Nov. 26, 1946.

CLASS 32

Chairs, Upholstered living room. Western Carolina Furniture Company. 425,683; Nov. 26; Serial No. 500,265; published Sept. 3, 1946.
Chests, dining room tables, serving tables, etc. Oneida Community Limited. 214,665; renewed June 29, 1946. O. G. Nov. 26.
Picture frames, mirrored bars, mirrored shaw cases, etc., Mirrored. A. Brown. 425,538; Nov. 26; Serial No. 489,036; published Sept. 3, 1946.
Shelves, Metal display. Airway Finishing Corporation. 425,685; Nov. 26; Serial No. 500,453; published Sept. 3, 1946.
Window-shades. Illinois Shade Cloth Corporation. 220,041; renewed Nov. 2, 1946. O. G. Nov. 26.

CLASS 33

Glass and engraved glass, Cut. T. G. Hawkes & Co. 215,166; renewed July 13, 1946. O. G. Nov. 26.

CLASS 34

Blowers, Electric motor driven. A. G. Redmond Co. 425,643; Nov. 26; Serial No. 497,628; published Sept. 3, 1946.
Burners for oil-burning lamps and lanterns. R. E. Dietz Company. 58,038; re-renewed Dec. 4, 1946. O. G. Nov. 26.
Globes for lamps and lanterns. R. E. Dietz Company. 58,318; re-renewed Dec. 11, 1946. O. G. Nov. 26.
Heaters, oil burning furnaces, cooking stoves, etc., Oil burning water. Motor Wheel Corporation. 425,512; Nov. 26; Serial No. 482,695; published Sept. 3, 1946.
Lamps and lanterns, Oil-burning. R. E. Dietz Company. 58,003; re-renewed Dec. 4, 1946. O. G. Nov. 26.
Lanterns, Oil-burning. R. E. Dietz Company. 58,037; re-renewed Dec. 4, 1946. O. G. Nov. 26.
Oil-lamps. Standard Oil Company. 57,820; re-renewed Nov. 27, 1946. O. G. Nov. 26.
Ventilators, power driven fan ventilators and rotary roof ventilators, Roof. Swartwout Company. 425,610; Nov. 26; Serial No. 495,525; published Sept. 3, 1946.

CLASS 35

Hose, and piston packing, Garden and steam. Pioneer Rubber Mills. 218,432; renewed Sept. 28, 1946. O. G. Nov. 26.
Sleeves, Dredging. B. F Goodrich Company. 214,094; renewed June 15, 1946. O. G. Nov. 26.

CLASS 37

Paper and cloth tapes and sheets. Chicago Show Printing Company. 425,500; Nov. 26; Serial No. 478,784; published Sept. 3, 1946.
Paper, box cover paper, cover papers, Blotting. District of Columbia Paper Mills, Inc. 425,558; Nov. 26; Serial No. 491,315; published Sept. 3, 1946.
Pencils, pencil leads and drafting refillable and drafting mechanical pencils, Mechanical. Rite-Rite Mfg. Co. 425,515; Nov. 26; Serial No. 483,385; published Aug. 27, 1946.
Pens and penholders, Steel, fountain, and stylographic. Perry & Company Limited. 50,986; re-renewed Apr. 3, 1946. O. G. Nov. 26.
Pens, pencils, and desk stands. W. A. Sheaffer Pen Company. 219,435; renewed Oct. 19, 1946. O. G. Nov. 26.
Writing-paper, Fine. Whiting Paper Company. 57,931–2; re-renewed Dec. 4, 1946. O. G. Nov. 26.

CLASS 38

Books, Completely printed. H. de J. Espasa. 214,930; renewed July 6, 1946. O. G. Nov. 26.
Magazine, Weekly. Guenther Publishing Company. 205,632; renewed Nov. 10, 1945. O. G. Nov. 26.
Newspapers, Daily. Daily Racing Form Publishing Company. 57,056; re-renewed Oct. 30, 1946. O. G. Nov. 26.
Printed products, Certain named. Bushnell-Dahlquist Press, Inc. 214,266; renewed June 15, 1946. O. G. Nov. 26.

CLASS 39

Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 216,340; renewed Aug. 10, 1946. O. G. Nov. 26.
Gloves. D. Power & Sons Limited. 209,331; renewed Feb. 23, 1946. O. G. Nov. 26.
Hats, Men's soft and velour felt. Murphy Gorman Company. 221,010; renewed Nov. 23, 1946. O. G. Nov. 26.
Hosiery. Rice-Stix Dry Goods Company. 58,263; re-renewed Dec. 11, 1946. O. G. Nov. 26.
Pyjamas, boys' shirts, boys' sport shirts, etc. Lubell Brothers. 218,580; renewed Sept. 28, 1946. O. G. Nov. 26.
Shirts, Work. Salant & Salant, Inc. 218,186; renewed Sept. 21, 1946. O. G. Nov. 26.
Shoes, Ladies' leather. Wolf Brothers and Company. 56,100; re-renewed Aug. 21, 1946. O. G. Nov. 26.
Shoes, Men's. Associated Merchandising Corporation. 221,922; renewed Dec. 14, 1946. O. G. Nov. 26.

CLASS 40

Pins, Dressmakers'. A. Meyers & Sons. 220,935; renewed Nov. 16, 1946. O. G. Nov. 26.
Pins for fine textiles. A. Meyers & Sons. 220,934; renewed Nov. 16, 1946. O. G. Nov. 26.

CLASS 42

Bedspreads and counterpanes. Monument Mills. 221,747; renewed Dec. 7, 1946. O. G. Nov. 26.
Comfortables and quilts, Textile bed. Palmer Brothers Company. 220,654; renewed Nov. 16, 1946. O. G. Nov. 26.
Comfortables, Bed. Palmer Brothers Co. 220,492; renewed Nov. 9, 1946. O. G. Nov. 26.
Drapes and hangings, Window. P. Schwartz. 425,619; Nov. 26; Serial No. 496,168; published Sept. 3, 1946.
Fabrics in the piece made of fibres of rayon, cotton, silk, wool, etc. N. Erlanger, Blumgart & Co. Inc. 425,585; Nov. 26; Serial No. 493,261; published Sept. 3, 1946.
Fabrics in the piece, Woven, knitted, netted, textile, and pile. Cheney Brothers. 221,330; renewed Nov. 30, 1946. O. G. Nov. 26.
Rayon, fiber siding, and cotton and rayon piece goods. Joseph Morningstar & Co. Inc. 221,909; renewed Dec. 14, 1946. O. G. Nov. 26.
Rayon piece goods. Duplex Fabrics Corporation. 425,606; Nov. 26; Serial No. 495,219; published Sept. 3, 1946.
Sheets or films of polyvinyl chloride resin, etc., Thin transparent or translucent. R. S. Harte. 425,549; Nov. 26; Serial No. 490,829; published Sept. 3, 1946.
Textile fabrics composed of cotton and rayon. S. Slater & Sons, Inc. 211,475; renewed Apr. 13, 1946. O. G. Nov. 26.
Wool worsted cloth. Kahn Tailoring Co. 221,466; renewed Nov. 30, 1946. O. G. Nov. 26.
Woolen piece goods. Forstmann & Huffmann Company. 217,156; renewed Aug. 24, 1946. O. G. Nov. 26.
Woolen piece goods. Forstmann & Huffmann Company. 217,176; renewed Aug. 24, 1946. O. G. Nov. 26.
Woolen piece goods. Forstmann & Huffmann Company. 217,355; renewed Aug. 31, 1946. O. G. Nov. 26.
Woolen piece goods. Forstmann & Huffmann Company. 217,401; renewed Aug. 31, 1946. O. G. Nov. 26.

CLASS 43

Yarns of all descriptions. Wm. H. Horstmann Company. 50,216; re-renewed Mar. 6, 1946. O. G. Nov. 26.

CLASS 44

Arch supports. Scholl Mfg. Co., Inc. 425,499; Nov. 26; Serial No. 478,355; published Feb. 27, 1945.
Dental investment, dental stone, and dental plaster. Falls City Dental Specialty Co., Inc. 211,466; renewed Apr. 13, 1946. O. G. Nov. 26.
Elastic fabric goods, Surgical. Brewer & Company, Inc. 221,561; renewed Dec. 7, 1946. O. G. Nov. 26.
Instruments used to check intermaxillary relationship of dentures. S. Hollender. 425,575; Nov. 26; Serial No. 492,562; published Sept. 3, 1946.
Investment, dental stone, and dental plaster, Dental. Falls City Dental Specialty Co. Inc. 221,621; renewed Dec. 7, 1946. O. G. Nov. 26.
Supports, Arch. Scholl Mfg. Co., Inc. 425,614; Nov. 26; Serial No. 495,765; published Sept. 3, 1946.
Syringes, Surgical and dental. MacGreagor Instrument Company. 221,539; renewed Dec. 7, 1946. O. G. Nov. 26.
Therapeutic lamps. Sanitarium and Hospital Equipment Company. 204,491; renewed Oct. 20, 1945. O. G. Nov. 26.

Webbing comprising non-elastic bandage material, Cohesive. F. C. Rath. 425,487; Nov. 26; Serial No. 462,028; published Dec. 7, 1943.

CLASS 45

Juices, certain sirups, extracts, etc., Fruit. G. Gutfreund. 221,741; renewed Dec. 7, 1946. O. G. Nov. 26.
Water, Mineral-spring. Mountain Valley Springs Company. 51,448; re-renewed Apr. 17, 1946. O. G. Nov. 26.

CLASS 46

Bread. Grocers Baking Company. 221,685; renewed Dec. 7, 1946. O. G. Nov. 26.
Bread and cake. Taggart Baking Company. 215,188; renewed July 13, 1946. O. G. Nov. 26.
Butter. A/S L. E. Bruun. 214,384; renewed June 22, 1946. O. G. Nov. 26.
Candies. G. N. Hange. 425,620; Nov. 26; Serial No. 496,236; published Sept. 3, 1946.
Candies. Henry Heide, Incorporated. 220,367; renewed Nov. 9, 1946. O. G. Nov. 26.
Candy. W. Brownley. 52,438; re-renewed May 8, 1946. O. G. Nov. 26.
Canned fruits and vegetables. Booth Packing Company. 58,179; re-renewed Dec. 11, 1946. O. G. Nov. 26.
Cereal concentrate, Malt. American Burtonizing Company and Wallerstein Laboratories. 221,412; renewed Nov. 30, 1946. O. G. Nov. 26.
Cheese. Martin Bros. Co. 219,974; renewed Oct. 26, 1946. O. G. Nov. 26.
Chicken, Fried. J. A. Williams. 425,574; Nov. 26; Serial No. 492,533; published Sept. 3, 1946.
Coffee. Martin Bros. Co. 217,311; renewed Aug. 31, 1946. O. G. Nov. 26.
Crackers, cakes, biscuits, etc. Lakeside Biscuit Co. 211,413; renewed Apr. 13, 1946. O. G. Nov. 26.
Fish, Preserved. Mac Fisheries Limited. 221,072; renewed Nov. 23, 1946. O. G. Nov. 26.
Flavoring extracts, Certain named culinary. A. M. Gugenheim. 214,256; renewed June 15, 1946. O. G. Nov. 26.
Flour, Best patent wheat. J. P. Grimes. 219,636; renewed Oct. 19, 1946. O. G. Nov. 26.
Flour, Bone. Nutritional Metals Corp. 425,502; Nov. 26; Serial No. 479,595; published July 10, 1945.
Flour, Self-rising wheat. J. P. Grimes. 219,659; renewed Oct. 19, 1946. O. G. Nov. 26.
Flour, Wheat. Standard Milling Company. 425,605; Nov. 26; Serial No. 495,157; published Sept. 3, 1946.
Food and medicine for cattle and other live stock, Compound used as a. Dr. Hess & Clark. 53,247; re-renewed May 29, 1946. O. G. Nov. 26.
Food, Dog. Theobald Industries. 425,634; Nov. 26; Serial No. 497,139; published Sept. 3, 1946.
Food, Self-digestive farinaceous. Benger's Food, Limited. 56,599; re-renewed Oct. 9, 1946. O. G. Nov. 26.
Food supplement in the form of small blocks containing brewer's yeast, etc. Bristol-Myers Company. 425,547; Nov. 26; Serial No. 490,170; published Sept. 3, 1946.
Fruits and canned vegetables, Canned. Parrott & Co. 425,638; Nov. 26; Serial No. 497,192; published Sept. 3, 1946.
Fruits, Fresh citrous. Loomis Fruit Growers Association. 217,864; renewed Sept. 14, 1946. O. G. Nov. 26.
Fruits, raisins and currents, Dried. Valley View Packing Company. 425,546; Nov. 26; Serial No. 489,997; published Sept. 3, 1946.
Macaroni. B. Filippone & Co. 220,082; renewed Nov. 2, 1946. O. G. Nov. 26.
Malt sirup. Associated Grocers Company, Inc. 221,752; renewed Dec. 7, 1946. O. G. Nov. 26.
Mayonnaise, Thousand Island dressing, and sandwich spread. C. Von Allmen Preserving Co. 214,873; renewed July 6, 1946. O. G. Nov. 26.
Nuts. J. B. Inderrieden Co. 217,759; renewed Sept. 7, 1946. O. G. Nov. 26.
Popcorn. Albert Dickinson Company. 55,801; re-renewed Aug. 21, 1946. O. G. Nov. 26.
Popcorn, etc. J. R. Zussman. 425,580; Nov. 26; Serial No. 492,812; published Sept. 3, 1946.
Poultry, Live. W. A. Weber. 217,667; renewed Sept. 7, 1946. O. G. Nov. 26.
Protein digest product. Ayerst, McKenna & Harrison Limited. 425,618; Nov. 26; Serial No. 496,121; published Sept. 3, 1946.
Raisins, Dried. Sun-Maid Raisin Growers of California. 221,450; renewed Nov. 30, 1946. O. G. Nov. 26.
Sirup, Table. J. E. Seffel. 218,038; renewed Sept. 21, 1946. O. G. Nov. 26.
Vegetables, Fresh. Shippers Sales Service. 425,581; Nov. 26; Serial No. 492,861; published Sept. 3, 1946.
Wheat-flour. Bill, Bell & Co. 46,418; re-renewed Sept. 19, 1945; O. G. Nov. 26.

CLASS 48

Beer, Old German lager. H. D. Stratton. 212,213; renewed Apr. 27, 1946. O. G. Nov. 26.

CLASS 49

Brandy, Cognac. A. C. Meukow & Co. 52,208; re-renewed May 1, 1946. O. G. Nov. 26.

CLASS 50

Feeding sets, Plastic. Zadek Feldstein Co., Inc. 425,531; Nov. 26; Serial No. 487,833; published Sept. 3, 1946.
Fly-paper, Sticky. O. & W. Thum Company. 57,567; re-renewed Nov. 13, 1946. O. G. Nov. 26.
Fly-paper, Sticky preparation supplied in the form of sticky. O. & W. Thum Company. 57,566; re-renewed Nov. 13, 1946. O. G. Nov. 26.
Kits, Cosmetic. R. Hudnut. 425,491; Nov. 26; Serial No. 473,945; published Sept. 3, 1946.
Kits, Permanent wave. Hilco Incorporated. 425,583; Nov. 26; Serial No. 493,120; published Sept. 3, 1946.

LIST OF DESIGN PATENTEES

American Seating Company, assignee: *See*—
Bond, Willard H., Jr.
Autopoint Company, assignee: *See*—
Beckstrom, Garfield L.
Ayres, Francis L., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,963; Nov. 26.
Baermann, Walter, New York, N. Y. Vending machine. 145,964; Nov. 26.
Baker Furniture, Inc., assignee: *See*—
Baker, Hollis S.
Baker, Hollis S., assignor to Baker Furniture, Inc., Grand Rapids, Mich. Folding serving table. 145,965; Nov. 26.
Baker, Hollis S., assignor to Baker Furniture, Inc., Grand Rapids, Mich. Extension serving table. 145,966; Nov. 26.
Ballard, Wade E., assignor to Modern Plastic Co., Los Angeles, Calif. Silent butler. 145,967; Nov. 26.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Telephone-address index or similar article. 145,968; Nov. 26.
Bernath, Egon, New York, N. Y. Raincoat or similar article. 145,969; Nov. 26.
Bloomfield, Samuel, Wichita, Kans., assignor to C. E. Hovey, trustee, Kansas City, Mo. Waste receptacle. 145,970; Nov. 26.
Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 145,971; Nov. 26.
Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 145,972; Nov. 26.
Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 145,973; Nov. 26.
Bond, Willard H., Jr., assignor to American Seating Company, Grand Rapids, Mich. Chair standard. 145,974; Nov. 26.
Bradley Washfountain Co., assignee: *See*—
Stevens, Clifford B.
Coval National Bank of Portland, The, trustee, assignee, et al.: *See*—
Shepard, Ernest L.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 145,975; Nov. 26.
Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass dessert plate or article of similar nature. 145,976; Nov. 26.
Flamn, Milton, assignee: *See*—
Jenkins, Raymond.
Hovey, C. Earl, trustee, assignee: *See*—
Bloomfield, Samuel.
Jackson, C. C., assignee: *See*—
Reed, Willie.
Jenkins, Raymond, New York, assignor, by mesne assignments, to M. Flamm, Forest Hills, N. Y. Radio cabinet. 145,977; Nov. 26.
Johnson, Herbert C., Wilmette, Ill. Juice extractor. 145,978; Nov. 26.
Kestler, Ralph, Corona, N. Y. Pin. 145,979; Nov. 26.
Mallick, Leo M., Chicago, Ill. Bottle closure. 145,980; Nov. 26.
Mayer, Bruno, New York, N. Y. Case for a camera. 145,981; Nov. 26.
Mayer, Bruno, New York, N. Y. Case for a camera. 145,982; Nov. 26.
Modern Plastic Co., assignee: *See*—
Ballard, Wade E.
Nulty, William B., trustee, assignee, et al.: *See*—
Shepard, Ernest L.
Pitman-Dreitzer & Co., Inc., assignee: *See*—
Dreitzer, Albert J.
Powell, Allen S., Wilkes-Barre, Pa. Shrine. 145,983; Nov. 26.
Reed, Willie, assignor of one-half to C. C. Jackson, Memphis, Tenn. Automobile. 145,984; Nov. 26.
Shepard, Ernest L., Fairfield, assignor, by mesne assignments, to The Coval National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Packing material for fragile articles. 145,985; Nov. 26.
Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,986; Nov. 26.
Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,987; Nov. 26.
Sices, Murray, Lynbrook, N. Y. Jacket or similar article. 145,988; Nov. 26.
Stevens, Clifford B., assignor to Bradley Washfountain Co., Milwaukee, Wis. Washfountain. 145,989; Nov. 26.
Stewart-Warner Corporation, assignee: *See*—
Ayres, Francis L.
Tjaarda, John.
Tjaarda, John, Grosse Pointe Shores, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,990; Nov. 26.
Tjaarda, John, Grosse Pointe Shores, Mich., assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating equipment cabinet. 145,991; Nov. 26.
Tuch, Melvin, Milford, Conn. Set of chessmen. 145,992; Nov. 26.
Victor Metal Products Corporation, assignee: *See*—
Derham, Philip A.
Wager, Robert H., Maplewood, N. J. Optical unit. 145,993; Nov. 26.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Zaiser, William.
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 145,994; Nov. 26.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aaron, Emanuel, New York, N. Y. Toothbrush. 2,411,610; Nov. 26.

Abadie, Jean B. J. M., Puteaux, France; vested in the Alien Property Custodian. Luminescent lamp with turbulent discharge. 2,411,510; Nov. 26.

Abel, Walter L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Ordnance data correcting apparatus. 2,411,511; Nov. 26.

Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Gertler, Samuel I.
Swern, Daniel.

Aircraft-Marine Products, Inc., assignee: *See*—
Swengel, Robert C.

Air Reduction Company, Incorporated, assignee: *See*—
Dennis, Wolcott.
Klinke, Henry O.

Alexander, Carl Z., Springfield, N. J. Water heater. 2,411,675; Nov. 26.

Alien Property Custodian: *See*—
Abadie, Jean B. J. M.
Bergier, Jacques, Eskenazi, and Helbronner.

Aluminum Company of America, assignee: *See*—
Riesmeyer, August H.
Riesmeyer, August H., and Gitzen.

American Cyanamid Company, assignee: *See*—
Ashley, Kenneth D., and Jaeger.

American Viscose Corporation, assignee: *See*—
Welton, Norman S.

American Window Glass Company, assignee: *See*—
Weihs, Theodor G.

Amott, Earl, Berkeley, Calif., assignor to Union Oil Company, Los Angeles, Calif. Producing dry metal sulfonates of improved oil solubility. 2,411,819; Nov. 26.

Anderau, Walter, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Disazo dyestuffs and making same. 2,411,646; No. 26.

Anderson, Eric: *See*—
Doering, Charles, H. H., Anderson, and Skoglund.

Arena, Joseph E., U. S. Army, Hammonton, N. J. Weaving apparatus. 2,411,512; Nov. 26.

Ashley, Kenneth D., Noroton, and A. O. Jaeger, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Manufacture of catalysts. 2,411,820; Nov. 26.

Baker-Raulang Company, The, assignee: *See*—
Hawkins, Paul E.

Baral, William J.: *See*—
Linford, Hooper, and Baral.

Barnes, John S., assignor to Skaneateles Boats, Inc., Skaneateles, N. Y. Making laminated articles. 2,411,497; Nov. 26.

Barnes & Jones, Incorporated, assignee: *See*—
Jones, William T.

Barr, Charles R., Bellevue, Pa. Stoker feed mechanism. 2,411,703; Nov. 26.

Bartz, Melvin: *See*—
Miller, Robert L., and Bartz.

Bassett, Edward H.: *See*—
Lucia, Louis V., and Bassett.

Bastian-Blessing Company, The, assignee: *See*—
McMahon, Alexander F.

Beasley, Milton R., Norwood, Mass., assignor to Bird & Son, inc., East Walpole, Mass. Roof. 2,411,771; Nov. 26.

Beattie, Kenneth B.: *See*—
Beattie, Roland P., K. W., K. B., and R. P., II.

Beattie, Kenneth W.: *See*—
Beattie, Roland P., K. W., K. B., and R. P., II.

Beattie, Roland P., II.: *See*—
Beattie, Roland P., K. W., K. B., and R. P., II.

Beattie, Roland P., K. W., K. B., and R. P., II, Summit, N. J. Photographic camera. 2,411,704; Nov. 26.

Becker, John S., Poughkeepsie, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Hydraulic transmission apparatus. 2,411,772; Nov. 26.

Beerbower, Alan: *See*—
Morway, Arnold J., and Beerbower.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Engelhardt, George B.
Fox, Arthur G.
Goodale, Walter D., Jr.
Laico, Joseph P.
Mason, Warren P.

Bender, Byron W., Cupsaw Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Curing neoprene. 2,411,773; Nov. 26.

Bendix Aviation Corporation, assignee: *See*—
Becker, John S.
Fell, William F.
Nardone, Romeo M.
Teague, Walter D., Jr.

Benjamin, Walter E., assignor to Pierce Governor Company, Anderson, Ind. Booster control. 2,411,705; Nov. 26.

Bergel, Franz, A. Cohen, and J. W. Haworth, Welwyn Garden City, England, assignors, by mesne assignments, to Hoffffmann-LaRoche Inc., Nutley, N. J. Manufacture of N-(polyhydroxyalkyl)-arylamines. 2,411,611; Nov. 26.

Bergier, Jacques, A. Eskenazi, and A. Helbronner, Lyon, France; vested in the Alien Property Custodian. Measuring device. 2,411,513; Nov. 26.

Berkoff, Seymour, Bridgeport, Conn., assignor to General Electric Company. Phase inverter circuit. 2,411,706; Nov. 26.

Biermann, Arnold E., Hampton, Va. Compressor. 2,411,707; Nov. 26.

Billings, Roy O., Milwaukee, Wis. Pull shovel. 2,411,498; Nov. 26.

Bippus, Samuel: *See*—
Keim, Simeon, and Bippus.

Bird & Son, inc., assignee: *See*—
Beasley, Milton R.

Bishop, Howard B., assignee: *See*—
Pearson, Herbert P.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,411,708; Nov. 26.

Blanc, Samuel, Grantwood, N. J. Reproducing and projecting apparatus. 2,411,514; Nov. 26.

Bonnell, Lauren W., Fort Worth, Tex., and R. G. Sharp, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Bomb loading apparatus for airplanes. 2,411,647; Nov. 26.

Boothroyd, Hubert, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Sewing machine. 2,411,499; Nov. 26.

Boyajian, James A., Chicago, Ill., assignor to J. P. Seeburg Corporation. Automatic phonograph. 2,411,612; Nov. 26.

Bradley, George T., deceased, Kerens, Tex., L. N. Bradley, administratrix. Control for automobiles. 2,411,500; Nov. 26.

Bradley, Louise N., administratrix: *See*—
Bradley, George T.

Brandt, Harold H.: *See*—
Hunt, Charles K., Olin, and Brandt.

Brauer, Howard H., and R. W. Knebel, assignors to Stromberg-Carlson Company, Rochester, N. Y. Method and apparatus for generating impulses. 2,411,648; Nov. 26.

Brigham, Cecil E., East Orange, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,411,515; Nov. 26.

British Celanese Limited, assignee: *See*—
Fisher, James W.

Brizay, Emile A., Caulfield, Victoria, assignor of one-third to E. M. Grimm, Hamilton, Queensland, and one-third to A. E. Hughes, Melbourne, Victoria, Australia. Apparatus for raising sunken vessels. 2,411,649; Nov. 26.

Bronander, Wilhelm B., assignor of one-half to W. B. Bronander, Sr., Montclair, N. J. Valve mechanism. 2,411,775; Nov. 26.

Bronander, Wilhelm B., Sr., assignee: *See*—
Bronander, Wilhelm B., Jr.

Brown, Ernest A., Elyria, Ohio. Tool dressing fixture. 2,411,709; Nov. 26.

Brubaker, George P., Los Angeles, assignor to Memovox, Incorporated, Beverly Hills, Calif. Sound recording system. 2,411,501; Nov. 26.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Ethers of endo-ethylene-substituted cyclopentanols. 2,411,516; Nov. 26.

Bryant, Forrest Le G., New York, N. Y., assignor to Jensen Machinery Company, Inc., Bloomfield, N. J. Metering device. 2,411,613; Nov. 26.

Budd Company, The, assignee: *See*—
Labaree, Benjamin.
Somes, Howard E.

Burghart, Lloyd M., Darien, Conn., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Corrosion inhibiting composition and method. 2,411,676; Nov. 26.

Burkhardt, Otto M., Euclid, Ohio. Valve linkage. 2,411,650; Nov. 26.

Burnell Machine Company, Incorporated, assignee: *See*—
Housman, Walter J.

Burrows, Lawton A., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of mineral oils. 2,411,502; Nov. 26.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Coupling amplifier. 2,411,517; Nov. 26.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic wave transmission system. 2,411,518; Nov. 26.

Byron, Eve, South Gate, Calif. Eyelash curler. 2,411,519; Nov. 26.

Calleson, Amos, and E. A. Calleson, Merrick, N. Y., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Capping press. 2,411,503; Nov. 26.

Calleson, Edgar A.: *See*—
Calleson, Amos, and E. A.

Calvert, William C., Chicago, Ill., assignor to Wingfoot Corporation, Wilmington, Del. Compounding rubber hydrohalides, etc. 2,411,839; Nov. 26.

Calvert, William C., Gary, Ind., assignor to Wingfoot Corporation, Wilmington, Del., and Akron, Ohio. Compounding rubber hydrohalides, etc. 2,411,840; Nov. 26.

Calvert, William C., Gary, Ind., assignor to Wingfoot Corporation, Wilmington, Del., and Akron, Ohio. Compounding rubber hydrohalides, etc. 2,411,841; Nov. 26.

Cann, Edward: *See*—
Kann, Eduard.

Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.

Capen, William H., Mountain Lakes, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Radio locating system. 2,411,520; Nov. 26.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Powell, George M., III.
Schuh, Charles H.

Carlise, John, New York, N. Y. Fuel saving device for oil heaters. 2,411,504; Nov. 26.

Carliss, Oswald S., Fairfield, assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Dial head unit for weighing and recording scales. 2,411,521; Nov. 26.

Carlson, George J.: *See*—
Ross, William E., and Carlson.

Carlzen, Carl F.: *See*—
Pifer, Marion J., Carlzen, and McGarvey.

Chamberlain, Earl B., Fort Wayne, and R. M. Kolter, Decatur, Ind. Theft proof fill pipe closure. 2,411,505; Nov. 26.

Chandler-Evans Corporation, assignee: *See*—
Hunt, Scott F.

Chenicek, Joseph A.: *See*—
Thompson, Ralph B., and Chenicek.

Chevigny, Paul G., New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Cathode structure. 2,411,506; Nov. 26.

Chevigny, Paul G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Preparation of electrodes. 2,411,522; Nov. 26.

Chevigny, Paul G., New York, N. Y., and J. J. Glauber, West Orange, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,411,523; Nov. 26.

Chicago Pneumatic Tool Company, assignee: *See*—
Stevens, Edward W.

Chicago Wheel & Manufacturing Company, assignee: *See*—
Miller, Robert I., and Bartz.

Childs, Percy A.: *See*—
Towner, Stanley H., and Childs.

Choat, Samuel C., assignor of one-tenth to B. C. Flaxel, North Bend, Oreg. Loading device. 2,411,821; Nov. 26.

Christenson, Ben, Pasadena, Calif. Hot water bag. 2,411,677; Nov. 26.

Ciba Pharmaceutical Products Incorporated, assignee: *See*—
Miescher, Karl, and Meystre.
Miescher, Karl, and Marxer.

Clark, Robert H., assignee: *See*—
Smith, Lawson A.

Cohen, Aaron: *See*—
Bergel, Franz, Cohen, and Haworth.

Cohen, Charles C., New York, N. Y. Toy. 2,411,614; Nov. 26.

Cole, Charles H., Leonia, N. J. Drill jig. 2,411,776; Nov. 26.

Collins, Ronald B., Ilford, and J. Miller, Nottingham, assignors to Ilford Limited, Ilford, England. Photographic material. 2,411,507; Nov. 26.

Colonial Radio Corporation, assignee: *See*—
Pifer, Marion J., Carlzen, and McGarvey.

Consolidated Car Heating Company, Inc.: *See*—
Parsons, Robert J.

Consolidated Paper Company, assignee: *See*—
Manor, Willard O.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Ingwer, Max, and Schwartz.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Bonnell, Lauren W., and Sharp.

Continental Motors Corporation, assignee: *See*—
Ginn, Earl.

Continental Research Corporation, assignee: *See*—
Gayer, Frederick H., and Fawkes.

Cornella, Emanuel, West Chicago, Ill. Clamp and spacer for concrete forms. 2,411,678; Nov. 26.

Cottrell, C. B., & Sons Company, assignee: *See*—
Luehrs, Hans J.

Cox, James L., Ramsey, and D. G. Trutner, Rutherford, assignors to Duro-Test Corporation, North Bergen, N. J. Fluorescent lamp. 2,411,679; Nov. 26.

Craft, William S.: *See*—
Packie, John W., and Craft.

Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Regulator system. 2,411,710; Nov. 26.

Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.

Crown Cork & Seal Company, Inc., assignee: *See*—
Calleson, Amos, and E. A.

Cuneo, Joseph F.: *See*—
Doumani, Thomas F., and Cuneo.

Czarnikow, George K., assignor to Wollensak Optical Campany, Rochester, N. Y. Iris diaphragm mechanism for projection lenses. 2,411,777; Nov. 26.

Darby, William D., West Allis, Wis. Catenary rooflike construction and forming it. 2,411,651; Nov. 26.

Dath, George E.: *See*—
Lehman, Edward H., and Dath.

Davis, Lewis W., Peabody, assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of zirconium hydride. 2,411,524; Nov. 26.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Party line ringing system. 2,411,525; Nov. 26.

Deakin, Gerald, New York, and E. S. McLarn, Manhasset, assignors to International Standard Electric Corporation, New York, N. Y. Impulse storing and repeating device. 2,411,526; Nov. 26.

De Baufre, William L., Lincoln, Nebr. Method and apparatus for separating and liquefying gases. 2,411,711; Nov. 26.

De Giers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Electrical totalizing system. 2,411,712; Nov. 26.

De Mers, Edward F.: *See*—
Henderson, Kenneth L., and De Mers.

Denison, Noel M., assignor to C. Earl Hovey, trustee, Kansas City, Mo. Vending machine door. 2,411,713; Nov. 26.

Dennis, Wolcott, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation of the constituents of gaseous mixtures. 2,411,680; Nov. 26.

De Rosa, Louis A., assignor to The National Cash Register Company, Dayton, Ohio. Electronic accumulator. 2,411,714; Nov. 26.

De Wilde, Albert N., assignor to Penn Electric Switch Co., Goshen, Ind. Gun firing solenoid. 2,411,778; Nov. 26.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. N-phosphatoarylenediamines. 2,411,527; Nov. 26.

Dillon, Edwin I. and R. E., Chicago, Ill., assignors to W. C. Dillon & Company. Shock absorbing means for tension testing machines. 2,411,779; Nov. 26.

Dillon, Robert E.: *See*—
Dillon, Edwin I. and R. E.

Dillon, W. C., & Company, assignee: *See*—
Dillon, Edwin I. and R. E.

Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Apparatus for the production of reflection reducing coatings. 2,411,715; Nov. 26.

Distillers Company Limited, The, assignee: *See*—
Tuerck, Karl H. W., and Lichtenstein.

Dodelin, Emil A., Moorestown, N. J. Abrading device. 2,411,615; Nov. 26.

Dodington, Sven H. M., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio assembly. 2,411,528; Nov. 26.

Doering, Charles and H. H., E. W. Anderson, and B. J. Skoglund, Chicago, Ill.; said Anderson and said Skoglund assignors to said C. and H. H. Doering. Apparatus for feeding, cutting, and molding individual edible spreads. 2,411,616; Nov. 26.

Doering, Henry H.: *See*—
Doering, Charles and H. H., Anderson, and Skoglund.

Dohrwardt, Dorothy M.: *See*—
Dohrwardt, John F. and D. M.

Dohrwardt, John F. and D. M., Detroit, Mich. Attachment for straight edges. 2,411,529; Nov. 26.

Doumani, Thomas F., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Liquid phase dimerization. 2,411,822; Nov. 26.

Doumani, Thomas F., Long Beach, and J. F. Cuneo, Los Angeles, Calif., assignors to Union Oil Company of California. Catalytic process. 2,411,823; Nov. 26.

Dow Chemical Company, The, assignee: *See*—
Dreisbach, Robert R., and Fletcher.

Dreisbach, Robert R., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Parasiticidal compositions. 2,411,530; Nov. 26.

Dunlop Rubber Company Limited, assignee: *See*—
Peare, William G. M., and Yoxon.

Dunning, Robert M.: *See*—
Guyer, Reynolds, and Dunning.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Burrows, Lawton A.
Harmon, Jesse, and Joyce.
Wahl, Milton H.

Duro-Test Corporation, assignee: *See*—
Cox, James L., and Trutner.

Dwyer, Frank W., Chicago, Ill. Pressure gauge. 2,411,508; Nov. 26.

Eastern Air Devices, Inc., assignee: *See*—
Hamilton, Hugh G., Pratt, and Skrobisch.

Eastman Kodak Company, assignee: *See*—
Dickey, Joseph, and McNally.
Knott, Edward B.

Egli, Huldreich, Baltimore, Md. Process and apparatus for pasteurizing milk. 2,411,681; Nov. 26.

Electronic Rat Control, Inc., assignee: *See*—
Vincent, William J., and Stanton.

Elliott, Harold F., Chicago, Ill. Electric control apparatus. 2,411,617; Nov. 26.

Elliott, Harold F., Belmont, Mass. Control apparatus. 2,411,618; Nov. 26.

Elliott, Harold F., Belmont, Mass. Control apparatus. 2,411,619; Nov. 26.

Elliott, Harold F., Belmont, Mass. Preselector apparatus. 2,411,780; Nov. 26.

Endebak, Peter, assignor to Tuthill Pump Company, Chicago, Ill. Shaft seal. 2,411,509; Nov. 26.

Engelhardt, George B., Hartsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical control system. 2,411,531; Nov. 26.

English, John A., Trenton, N. J. Collapsible bar or the like. 2,411,620; Nov. 26.

Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corporation, Inc., Wilmington, Del. Hydraulic press system. 2,411,716; Nov. 26.

Escoffery, Charles A., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Roughening steel. 2,411,532; Nov. 26.

Eskenazi, Alfred: *See*—
Bergier, Jacques, Eskenazi, and Helbronner.

Evans, Theodore W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Toxic composition. 2,411,566; Nov. 26.

Farnsworth Television & Radio Corporation, assignee: *See*—
Halstead, William S.

Farrell, James K., assignor to Hercules Powder Company, Wilmington, Del. Preparing a dry size. 2,411,824; Nov. 26.

Fawkes, Charles E.: *See*—
Gayer, Frederick H., and Fawkes.

Fay, Joseph W. and R., Villa Park Ill.; said R. Fay assignor to J. W. Fay. Educational device. 2,411,717; Nov. 26.

Fay, Rudolph: *See*—
Fay, Joseph W. and R.

Federal Telegraph Company, assignee: *See*—
Wilson, Thomas L.

Federal Telephone and Radio Corporation, assignee: *See*—
Busignies, Henri G.
Chevigny, Paul G.
Dodington, Sven H. M.
Escoffery, Charles A.
Labin, Emile, and Grieg.
Speed, Richard B.
Watts, Chester B., Jr.

Feld, Stanislaw, New York, N. Y. Pantograph. 2,411,718; Nov. 26.

Fell, William F., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrical apparatus. 2,411,781; Nov. 26.

Ferguson, George M., Portland, Oreg. Tweezer. 2,411,825; Nov. 26.

Feudtner, Charles P., New York, N. Y. Clamp. 2,411,533; Nov. 26.

Filachione, Edward M., Philadelphia, Pa., assignor to Monsanto Chemical Company, St. Louis, Mo. Haloacetals. 2,411,826; Nov. 26.

Fisher, James W., Spondon, near Derby, assignor to British Celanese Limited, London, England. Manufacture of carboxylic acid anhydrides. 2,411,567; Nov. 26.

Flaxel, Ben C., assignee: *See*—
Choat, Samuel C.

Fletcher, Fred W.: *See*—
Dreisbach, Robert R., and Fletcher.

Foote, Alton G., Wickliffe, Ohio, assignor to General Electric Company. Lamp unit. 2,411,568; Nov. 26.

Fossa, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,411,827; Nov. 26.

Fox, Arthur G., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance transformer. 2,411,534; Nov. 26.

Fram Corporation, assignee: *See*—
Gunn, Earl G.

Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Wrap mechanism. 2,411,719; Nov. 26.

Fremlin, John H., assignor to Standard Telephones and Cables Limited, London, England. High-frequency electron discharge apparatus. 2,411,535; Nov. 26.

Furman, John R., Kerrville, Tex. Smoker's ash and stump receiver and isolator. 2,411,569; Nov. 26.

Gallo, Frank M.: *See*—
Murray, Loyd D., and Gallo.

Gallo, Sebastiano, Brooklyn, N. Y. Platform shoe. 2,411,682; Nov. 26.

Gardes, Alfred W., Detroit, Mich., assignor to McCord Corporation. Heater attachment for fans. 2,411,782; Nov. 26.

Garibay, Joseph U., Montebello, Calif. Welding tool. 2,411,652; Nov. 26.

Gassett, Paul L.: *See*—
Kennedy, Harvey T., and Gassett.

Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiterminal structure. 2,411,783; Nov. 26.

Gayer, Frederick H., and C. E. Fawkes, Chicago, assignors to Continental Research Corporation, Chicago Heights, Ill. Producing alkyl esters of higher fatty acids. 2,411,536; Nov. 26.

Geigy, J. R., A. G., assignee: *See*—
Martin, Henry, and Gysin.
Martin, Henry, Hirt, and Staub.
Senn, Emil.

General Aniline & Film Corporation, assignee: *See*—
Sargent, Donald E.

General Control Company, assignee: *See*—
Kelleigh, Waldo J.

General Electric Company, assignee: *See*—
Berkoff, Seymour.
Bivens, Maurice E.
Crary, Selden B.
Foote, Alton G.
Huntsman, Orlondo A.
Michaelson, Jesse L.
Morack, Marvin M.
Moyer, Elmo E.
Ramo, Simon.
Swingle, Artro W., Pettibone, and Dill.

Gertler, Samuel I., Washington, D. C., assignor to the United States of America, as represented by the Secretary of Agriculture. Insect repellent. 2,411,720; Nov. 26.

Gilmartin, Thomas: *See*—
Silverman, Daniel, and Gilmartin.

Ginn, Earl, North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Internal-combustion engine. 2,411,653; Nov. 26.

Gitzen, Walter H.: *See*—
Riesmeyer, August H., and Gitzen.

Glauber, John J.: *See*—
Chevigny, Paul G., and Glauber.

Gleason, Anthony H.: *See*—
Sparks, William J., and Gleason.

Goldsmith, Thomas R., Buffalo, N. Y., assignor, by mesne assignments, to Super Tool Company, Macomb County, Mich. Milling cutter. 2,411,784; Nov. 26.

Goodale, Walter D., Jr., Convent Station, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling system. 2,411,537; Nov. 26.

Goodchild, Frank D., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus. 2,411,538; Nov. 26.

Goodrich, B. F., Company, The, assignee: *See*—
Krupp, Carroll P.

Goodyear Aircraft Corporation, assignee: *See*—
Nielsen, James S., and Mitchella.

Gottschalk, Lionel J., New Orleans, La. Clothes washing machine. 2,411,654; Nov. 26.

Graenacher, Charles, Riehen, and R. Sallmann, Gelterkinden, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Condensation products of thiourea compounds. 2,411,655; Nov. 26.

Graphic Microfilm Service, Inc., assignee: *See*—
Place, Robert.

Grieg, Donald D.: *See*—
Labin, Emile, and Grieg.

Grimm, Edward M., assignee, et al.: *See*—
Brizay, Emile A.

Grubbs, David S., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Aligning bar. 2,411,621; Nov. 26.

Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. Method and arrangement for scrambling speech signals. 2,411,683; Nov. 26.

Gulf Oil Corporation, assignee: *See*—
Smith, Herschel G., and Cantrell.

Gulf Research & Development Company, assignee: *See*—
Kennedy, Harvey, and Gassett.

Gundelfinger, Constance D., administratrix: *See*—
Gundelfinger, Walter J.

Gundelfinger, Walter J., deceased, West Roxbury, Mass.; C. D. Gundelfinger, administratrix. Method and apparatus for manufacture of continuous filament and like structures. 2,411,774; Nov. 26.

Gunn, Earl G., Providence, R. I., assignor to Fram Corporation. Liquid filter installation. 2,411,539; Nov. 26.

Guyer, Reynolds, and R. M. Dunning, assignors to Waldorf Paper Products Company, St. Paul, Minn. Molded carton costruction. 2,411,622; Nov. 26.

Gysin, Hans: *See*—
Martin, Henry, and Gysin.

Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction. 2,411,785; Nov. 26.

Hadley, Frank H., assignor of one-half to B. C. D. Woolf, Birmingham, England. Workpiece holder. 2,411,790; Nov. 26.

Haigh, Leslie B., West Orange, N. J., assignor to Standard Telephones and Cables Limited, London, England. Electrically operated calculating equipment. 2,411,540; Nov. 26.

Hale, George H., assignee: *See*—
Ruskin, Henry.

Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Communications system. 2,411,786; Nov. 26.

Hamilton, Hugh G., and L. C. Pratt, Baldwin, and A. Skrobisch, New York, assignors to Eastern Air Devices, Inc., Brooklyn, N. Y. Dynamoelectric machine assembly. 2,411,684; Nov. 26.

Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Radio controlled mine. 2,411,787; Nov. 26.

Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Bomb control system. 2,411,788; Nov. 26.

Hammond, John H., Jr., Gloucester, Mass. Antenna release mechanism. 2,411,828; Nov. 26.

Hancock, Brenda A.: *See*—
Hancock, William A. and B. A.

Hancock, William A. and B. A., Maroubra, near Sydney, New South Wales, Australia. Device for carrying children. 2,411,721; Nov. 26.

Hanna, Clinton R.: *See*—
Lynn, Lawrence B., and Hanna.

Hansell, Clarence W.: *See*—
Usselman, George, and Hansell.

Harmon, Jesse, and R. M. Joyce, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur-dioxide modified tetrafluoroethylene polymer. 2,411,722; Nov. 26.

Hartwig, Charles W., New York, N. Y. Bowling alley. 2,411,789; Nov. 26.

Hausman, Walter J., Washington, D. C., assignor to Burnell Machine Company, Incorporated, Wilmington, Del. Variable spacing mechanism for key operated printing machines. 2,411,723; Nov. 26.

Hawkins, Paul E., Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Steering gear for vehicles. 2,411,570; Nov. 26.

Haworth, John W.: *See*—
Bergel, Franz, Cohen, and Haworth.

Hayes, Harvey C., Washington, D. C. Accoustic wave generating or receiving apparatus. 2,411,541; Nov. 26.

Hazeltine Research, Inc., assignee: *See*—
Rado, John A.

Heberlein Patent Corporation, assignee: *See*—
Weiss, Ernst.

Heintz, Ralph M., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Engine. 2,411,571; Nov. 26.

Helbronner, André: *See*—
Bergier, Jacques, Eskenazi, and Helbronner.

Hemphill Company, assignee: *See*—
Fregeolle, Oscar.

Henderson, Kenneth L., and E. F. De Mers, Irondequoit, assignors to Stromberg-Carlson Company, Rochester, N. Y. Coaxial bushing. 2,411,656; Nov. 26.

Hercules Powder Company, assignee: *See*—
Farrell, James K.

Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Pulse echo system. 2,411,572; Nov. 26.

Hill, Russell J., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making tubular abrasive. 2,411,724; Nov. 26.

Hirt, Rudolf: *See*—
Martin, Henry, Hirt, and Staub.

Hodshon, Alfred E., Lahaska, and H. H. Tucker, Merion Station, assignors to John B. Stetson Company, Philadelphia, Pa. Carroting of animal fibers. 2,411,725; Nov. 26.

Hoffmann-La Roche Inc., assignee: *See*—
Bergel, Franz, and Cohen, and Haworth.
Preiswerk, Ernst.

Hohl, John: *See*—
Shapiro, Benjamin H., Thomas, and Hohl.

Holland, Carl W., Seattle, Wash. Dredging device. 2,411,685; Nov. 26.

Holroyd, Ronald, and D. H. P. Peel, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of aromatic hydrocarbons. 2,411,726; Nov. 26.

Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, assignors to Radio Corporation of America. Frequency counter circuit. 2,411,573; Nov. 26.

Homan, Clarence N., Minneapolis, Minn. Window construction. 2,411,727; Nov. 26.

Hovey, C. Earl, assignee, trustee: *See*—
Denison, Noel M.

Huffman, Hal C., Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif. Catalysts. 2,411,829; Nov. 26.

Hughes, Alexander E., assignee, et al.: *See*—
Brizay, Emile A.

Hunt, Charles K., Wyandotte, J. F. Olin, Grosse Ile, and H. H. Brandt, Wyandotte, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Pickling of ferrous metals. 2,411,791; Nov. 26.

Hunt, Scott F., Meriden, assignor to Chandler-Evans Corporation, South Meriden, Conn. Pump control with line loss compensation. 2,411,574; Nov. 26.

Hunter, William L., assignor to Northern Equipment Company, Erie, Pa. Feed water regulating apparatus for boilers. 2,411,728; Nov. 26.

Hunter, William L., assignor to Northern Equipment Company, Erie, Pa. Feed water regulating apparatus for boilers. 2,411,729; Nov. 26.

Huntsman, Orlondo A., Arlington, Va., assignor to General Electric Company. Electric switch. 2,411,730; Nov. 26.

Hydraulic Control Engineering Company, assignee: *See*—
Stephens, William T.

Hydraulic Development Corporation, Inc., The, assignee: *See*—
Ernst, Walter.

Ilch, Theodore E., Hempstead, N. Y., assignor to United States Plywood Corporation. Making plywood tubing. 2,411,542; Nov. 26.

Ilford Limited, assignee: *See*—
Collins, Ronald B., and Miller.

Ingwer, Max, New York, and W. W. Schwartz, Jackson Heights, assignors to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Needle threader. 2,411,686; Nov. 26.

Imperial Chemical Industries Limited, assignee: *See*—
Holroyd, Ronald, and Peel.

Institute of Paper Chemistry, The, assignee: *See*—
Van den Akker, Johannes A.

International Business Machines Corporation, assignee: *See*—
Whetstone, Irene B.

International Standard Electric Corporation, assignee: *See*—
Brigham, Cecil E.
Busignies, Henri G.
Capen, William H.
Deakin, Gerald.
Deakin, Gerald, and McLarn.
Goodchild, Frank D.
Towner, Stanley H., and Childs.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Heintz, Ralph M.
Grubbs, David S.

Jaeger, Alphons O.: *See*—
Ashley, Kenneth D., and Jaeger.

James, Harold V., Denver, Colo. Tire retreading device. 2,411,687; Nov. 26.

Jaques, John C., Denison, Tex. Portable saw. 2,411,623; Nov. 26.

Jaques, John C., Denison, Tex. Mobile saw. 2,411,624; Nov. 26.

Jaques, John C., Denison, Tex. Snatch block. 2,411,625; Nov. 26.

Jaques, John C., Denison, Tex. Mobile winch unit. 2,411,626; Nov. 26.

Jaques, John C., Denison, Tex. Earth auger. 2,411,627; Nov. 26.

Jensen Machinery Company, Inc., assignee: *See*—
Bryant, Forrest Le G.

Johnson, Ernest L.: *See*—
Lehmberg, William H., and Johnson.

Johnson, Paul P.: *See*—
Thoren, Theodore, and Johnson.

Jones, William T., Newton, assignor to Barnes & Jones, Incorporated, Jamaica Plain, Mass. Steam heating system. 2,411,731; Nov. 26.

Joyce, Inc., assignee: *See*—
Joyce, William H., Jr.

Joyce, Robert M., Jr.: *See*—
Harmon, Jesse, and Joyce.

Joyce, William H., Jr., assignor to Joyce, Inc., Pasadena, Calif. Drier. 2,411,792; Nov. 26.

Kahl, William J., New York, N. Y. Rotary scraper. 2,411,544; Nov. 26.

Kann, Eduard, Summit, N. J., now by judicial change of name to Edward Cann. Power press. 2,411,543; Nov. 26.

Kawneer Company, The, assignee: *See*—
Miller, James T.

Kay, Arthur J., Los Angeles, Calif. Cotton picker. 2,411,575; Nov. 26.

Kelm, Simeon, Galt, and S. Bippus, Acampo, Calif. Scraper. 2,411,688; Nov. 26.

Kellas, Elizabeth M., assignor of one-third to D. W. Wilson, Winnipeg, Manitoba, Canada. Wool clip. 2,411,657; Nov. 26.

Kelleigh, Waldo J., Wayland, assignor to General Control Company, Cambridge, Mass. Electric switch. 2,411,576; Nov. 26.

Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,411,732; Nov. 26.

Kelley, Cecil S., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,411,748; Nov. 26.

Kemmerlin, Henry C., Tryon, N. C. Tubing expanding tool. 2,411,733; Nov. 26.

Kennedy, Harvey T., Oakmont, Pa., and P. L. Gassett, Flora, Ill., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Treatment of oil and gas wells. 2,411,793; Nov. 26.

Kerwin, John M., and S. H. Norton, assignors to Thompson Products, Inc., Cleveland, Ohio. Cold worked hollow stem valve. 2,411,734; Nov. 26.

King, Milton D., Seattle, Wash. Guard for angle cocks for train lines. 2,411,735; Nov. 26.

King, Reno C., New York, N. Y. Tackle block. 2,411,689; Nov. 26.

Kirkwood, Loren R.: *See*—
Holst, Paul F. G., and Kirkwood.

Kleinschmidt, Armin R., Mankato, Minn. Canning fresh water fish. 2,411,736; Nov. 26.

Kline, John E., Grosse Pointe Farms, assignor to Micromatic Hone Corporation, Detroit, Mich. Honing tool. 2,411,545; Nov. 26.

Klinke, Henry O., Forest Hills, N. Y., assignor to Air Reduction Company, Incorporated. Method and apparatus for controlling torch spacing. 2,411,737; Nov. 26.

Knebel, Robert W.: *See*—
Brauer, Howard H., and Knebel.

Knott, Edward B., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsion. 2,411,546; Nov. 26.

Kolter, Robert M.: *See*—
Chamberlain, Earl B., and Kolter.

Krupp, Carroll P., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective clothing. 2,411,830; Nov. 26.

Labaree, Benjamin, assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Grid member. 2,411,628; Nov. 26.

Labin, Emile, New York, and D. D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, Newark, N. J. Pulse width measuring system. 2,411,547; Nov. 26.

Laico, Joseph P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,411,548; Nov. 26.

Lake, Ross A., Oak Park, assignor to Teletype Corporation, Chicago, Ill. Recorder control mechanism. 2,411,794; Nov. 26.

Lane, Thomas D., Winnetka, assignor to MacLean Fogg Lock Nut Company, Chicago, Ill. Bolt and mounting therefor. 2,411,629; Nov. 26.

La Rue, John C., Bainbridge, Ohio. Knockdown picnic table. 2,411,658; Nov. 26.

Lawson, Robert H., assignor to Scott & Williams, Incorporated, Laconia, N. H. Racking mechanism for knitting machines. 2,411,795; Nov. 26.

Lehman, Edward H., Chicago, and G. E. Dath, Mokena, assignors to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,411,630; Nov. 26.

Lehmberg, William H., Riverside, Conn., and E. L. Johnson, Port Chester, N. Y. Detachable sweatband. 2,411,831; Nov. 26.

Leslie, John H., II, Winnetka, assignor to Stewart Warner Corporation, Chicago, Ill. Pressure responsive microswitch. 2,411,577; Nov. 26.

Lesnick, Robert, Camden, N. J., assignor to Radio Corporation of America. Split-phase motor follow-up system. 2,411,608; Nov. 26.

Leupold, Henry G., Cambridge, assignor to United Electric Controls Company, South Boston, Mass. Pressure actuated electrical switch. 2,411,796; Nov. 26.

Lewis, Warren J., and J. H. Sanford, assignors to The Ohio Brass Company, Mansfield, Ohio. Current collector. 2,411,797; Nov. 26.

Lichtenstein, Hans J.: *See*—
Tuerck, Karl H. W., and Lichtenstein.

Lieber, Eugene, West New Brighton, Staten Island, and M. E. Thorner, Brooklyn, N. Y., assignors to Standard Oil Development Company. Condensation products and preparing same. 2,411,578; Nov. 26.

Lieber, Eugene, New York, N. Y., and M. E. Thorner, Corpus Christi, Tex., assignors to Standard Oil Development Company. Condensation product and preparing and using same. 2,411,579; Nov. 26.

Lindberg, Le Roy J., Wanamassa, N. J. Electric heating device for soldering irons. 2,411,549; Nov. 26.

Linford, Hooper, Manhattan Beach, and W. J. Baral, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif. Water-insoluble soaps. 2,411,832; Nov. 26.

Lipe-Rollway Corporation, assignee: *See*—
Spase, Charles B.

Liquidometer Corporation, The, assignee: *See*—
De Giers, Clarence A.

Little, Arthur D., Inc., assignee: *See*—
Wilson, Ernest D.

Lockport Cotton Batting Co., assignee: *See*—
Ramage, Monroe W., Jr.

Lucia, Louis V., and E. H. Bassett, West Hartford, assignors to The Silex Company, Hartford, Conn. Steaming and pressing iron. 2,411,738; Nov. 26.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Clutch. 2,411,739; Nov. 26.

Lynn, Lawrence B., Wilkinsburg, and C. R. Hanna, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilizing apparatus. 2,411,550; Nov. 26.

MacKay, Angus, Dover, Mass. Navigation instrument. 2,411,690; Nov. 26.

MacLean Fogg Lock Nut Company, assignee: *See*—
Lane, Thomas D.

Malin, Jay B., Fishkill, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Internal-combustion engine. 2,411,740; Nov. 26.

Manning, Fred W., Palo Alto, Calif. Tire construction. 2,411,659; Nov. 26.

Manning, Fred W., Palo Alto, Calif. Making filter cartridges, abrasive sheets, scouring pads, and the like. 2,411,660; Nov. 26.

Manor, Willard O., assignor to Consolidated Paper Company, Monroe, Mich. Container wall. 2,411,580; Nov. 26.

Martin, Henry, Basel, R. Hirt, Riehen, and A. Staub, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. 4-aminobenzene-sulfone-carbamic acid derivative. 2,411,661; Nov. 26.

Martin, Henry, and H. Gysin, assignors to the firm J. R. Geigy A. G., Basel, Switzerland. Imino-di-fatty acid amide. 2,411,662; Nov. 26.

Marxer, Adrian: *See*—
Miescher, Karl, and Marxer.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiating system. 2,411,551; Nov. 26.

Matthews, Arthur H., Lake Beauport, Quebec, Canada. Gas turbine. 2,411,798; Nov. 26.

Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Dealkylation of alkyl cyclic compounds. 2,411,799; Nov. 26.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel supply system. 2,411,581; Nov. 26.

McCollum, Henry J. D., deceased; T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,411,663; Nov. 26.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McCord Corporation, assignee: *See*—
Gardes, Alfred W.

McCulloch, Thomas B., Baytown, Tex., assignor to Standard Oil Development Company. Aviation fuel. 2,411,582; Nov. 26.

McGarvey, Harold J.: *See*—
Pifer, Marion J., Carlzen, and McGarvey.

McLarn, Ernest S.: *See*—
Deakin, Gerald, and McLarn.

McMahon, Alexander F., Oak Park, assignor to The Bastian-Blessing Company, Chicago, Ill. Refrigerating apparatus. 2,411,833; Nov. 26.

McNab, John G., Cranford, and C. Winning, Westfield, N. J., assignors to Standard Oil Development Company. Compounded lubricating oil. 2,411,583; Nov. 26.

McNally, James G.: *See*—
Dickey, Joseph B., and McNally.

Memovox, Incorporated, assignee: *See*—
Brubaker, George P.

Metal Hydrides Incorporated, assignee: *See*—
Davis, Lewis W.

Meystre, Charles: *See*—
Miescher, Karl, and Meystre.

Michaelson, Jesse L., Schenectady, N. Y., assignor to General Electric Company. Color matching apparatus. 2,411,741; Nov. 26.

Micromatic Hone Corporation, assignee: *See*—
Kline, John E.

Miescher, Karl, Riehen, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Incorporated, Summit, N. J. Stable, supersaturated solutions of saccharide derivatives of the suprarenal cortical hormone series and making same. 2,411,631; Nov. 26.

Miescher, Karl, Riehen, and A. Marxer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Amino alcohols and preparing the same. 2,411,664; Nov. 26.

Miller, James T., assignor to The Kawneer Company, Niles, Mich. Glass holding device. 2,411,691; Nov. 26.

Miller, John: *See*—
Collins, Ronald B., and Miller.

Miller, Robert L., and M. Bartz, Valparaiso, Ind., assignors to Chicago Wheel & Manufacturing Company, Chicago, Ill. Portable motor-driven tool. 2,411,584; Nov. 26.

Miner, W. H., Inc., assignee: *See*—
Lehman, Edward H., and Dath.

Minkler, Everett and F. E., Los Angeles, Calif. Apparatus for sawing stone. 2,411,585; Nov. 26.

Minkler, Floyd E.: *See*—
Minkler, Everett and F. E.

Mitchella, Clyde B.: *See*—
Nielsen, James S., and Mitchella.

Monier, Jean B., Galt, Ontario, Canada. Thermoplastic lacquer and preparing same. 2,411,665; Nov. 26.

Monier, Jean B., Galt, Ontario, Canada. Molding composition and the article produced thereby. 2,411,666; Nov. 26.

Monsanto Chemical Company, assignee: *See*—
Filachione, Edward M.

Morack, Marvin M., Scotia, N. Y., assignor to General Electric Company. Electric valve system. 2,411,742; Nov. 26.

Moran, Harold, Lincoln Park, N. J. Automatic emergency brake release for motor vehicles. 2,411,632; Nov. 26.

Morner, Hans G., New York, N. Y. Fluid pressure molding apparatus. 2,411,743; Nov. 26.

Morris, John R., Beacon, assignor to The Texas Company, New York, N. Y. Preparation of barium salts of cyclic-aliphatic ether alcohols. 2,411,586; Nov. 26.

Morway, Arnold J., Clark Township, Union County, and A. Beerbower, Kenilworth, N. J., assignors to Standard Oil Development Company. Antifriction bearing lubricant. 2,411,587; Nov. 26.

Mowrey, Lester D., Wichita Falls, Tex. Bottom hole regulator. 2,411,667; Nov. 26.

Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric control circuit. 2,411,744; Nov. 26.

Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric control circuit. 2,411,745; Nov. 26.

Murano, Joseph S., Youngstown, Ohio. Instrument mouthpiece. 2,411,692; Nov. 26.

Murray, Loyd D., and F. M. Gallo, San Francisco, Calif. Hat stretcher and former. 2,411,746; Nov. 26.

Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Electromagnetic apparatus. 2,411,800; Nov. 26.

National Cash Register Company, The, assignee: *See*—
De Rosa, Louis A.

Nelson, Claude A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,411,747; Nov. 26.

New, Winston R., Springfield, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,411,552; Nov. 26.

New Wrinkle, Inc., assignee: *See*—
Waldie, William A.

Nielsen, James S., Stow, and C. B. Mitchella, Akron, Ohio, assignors to Goodyear Aircraft Corporation. Metal bending and stretching. 2,411,801; Nov. 26.

Northern Equipment Company, assignee: *See*—
Hunter, William L.

Norton, Samuel H.: *See*—
Kerwin, John M., and Norton.

Nutzel, William G.: *See*—
Sanford, Selden B., and Nutzel.

Oberholtz, Anthony, Jr., Los Angeles, Calif. Abrasive reamer. 2,411,633; Nov. 26.

Oberly, Chester C., and P. E. Waugh, assignors to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Electrically heated water trap for fuel dispensing devices. 2,411,749; Nov. 26.

Ohio Brass Company, The, assignee: *See*—
Lewis, Warren J., and Sanford.

Olin, John F.: *See*—
Hunt, Charles K., Olin, and Brandt.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Purification of amine reaction mixtures. 2,411,802; Nov. 26.

Olken, Hyman, Washington, D. C. Follow-up control system. 2,411,750; Nov. 26.

Otis Elevator Company, assignee: *See*—
Sanford, Selden B., and Nutzel.

Overman, Ivan J., Marion, Ind. Drier for aggregates and the like. 2,411,751; Nov. 26.

Packie, John W., Green Village, and W. S. Craft, Elizabeth, N. J., assignors to Standard Oil Development Company. Concentration of diolefins. 2,411,588; Nov. 26.

Padilla, Dante, Vallejo, Calif. Fire alarm contact device. 2,411,752; Nov. 26.

Papworth Limited, assignee: *See*—
Sealey, Louis E.

Parrott, Loretta, assignee: *See*—
Parrott, Percy F.

Parrott, Percy F., Toledo, Ohio, assignor to L. Parrott. Vehicle jack. 2,411,803; Nov. 26.

Parsons, Robert J., Schenectady, N. Y., assignor to Consolidated Car Heating Company, Inc., Albany, N. Y. Damper control. 2,411,834; Nov. 26.

Pavey, Clarence A., Seattle, Wash. Airplane tire prerotating means. 2,411,668; Nov. 26.

Peare, William G. M., Cork, Eire, and G. H. B. Yoxon, Erdington, Birmingham, assignors to Dunlop Rubber Company Limited, County of London, England. Production of raw tire stock. 2,411,693; Nov. 26.

Pearson, Herbert P., New York, N. Y., assignor to H. B. Bishop, Summit, N. J. Bituminous paved surface and making the same. 2,411,634; Nov. 26.

Peel, David H. P.: *See*—
Holroyd, Ronald, and Peel.

Penn Electric Switch Co., assignee: *See*—
De Wilde, Albert N.

Perfection Steel Body Company, The, assignee: *See*—
Seckel, Wallace H.

Peterson, Adolphe C., Minneapolis, Minn. Coin controlled multiple certificate and printing means. 2,411,805; Nov. 26.

Pettibone, George: *See*—
Swingle, Artro W., Pettibone and Dill.

Pfau, Howard, Cincinnati, Ohio. Men's neckwear. 2,411,753; Nov. 26.

Pfent, Frank, St. Clair, Mich. Spring door closer. 2,411,635; Nov. 26.

Phillips Petroleum Company, assignee: *See*—
Hachmuth, Karl H.

Pierce Governor Company, assignee: *See*
Benjamin, Walter E.

Pifer, Marion J., Williamsville, C. F. Carlzen, Buffalo, and H. J. McGarvey, Eggertsville, assignors to Colonial Radio Corporation, Buffalo, N. Y. Sequence tuner. 2,411,754; Nov. 26.

Pinion, Thomas N., Denver, Colo. Boiler water feed device. 2,411,589; Nov. 26.

Place, Robert, assignor to Graphic Microfilm Service, Inc., Waltham, Mass. Continuous camera or printer. 2,411,694; Nov. 26.

Plastic Parts Development Corporation, assignee: *See*—
Shapiro, Benjamin H., Thomas, and Hohl.

Plebanek, Leonard Z., Chicago, Ill. Radio kaleidoscopic projector. 2,411,804; Nov. 26.

Plensler, Alexander W., Chicago, Ill. Fluid clutch. 2,411,755; Nov. 26.

Powell, George M., III, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Vinyl resin coating composition. 2,411,590; Nov. 26.

Pratt, Leonard C.: *See*—
Hamilton, Hugh G., Pratt, and Skrobisch.

Preiswerk, Ernst, Munchenstein, near Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Stabilized ferrous sulfate. 2,411,636; Nov. 26.

Purdue Research Foundation, assignee: *See*—
Webb, Richard C.

Radio Corporation of America, assignee: *See*—
Dimmick, Glenn L.
Hammond, John H., Jr.
Hershberger, William D.
Holst, Paul F. G., and Kirkwood.
Lesnick, Robert.
Sander, Morris.
Sanders, Royden C., Jr.
Smith, John P.
Usselman, George, and Hansell.
Wolfner, William F., II.

Radio Patents Corporation, assignee: *See*—
Guanella, Gustav.

Rado, John A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Clipping system. 2,411,695; Nov. 26.

Ramage, Monroe W., Jr., assignor to Lockport Cotton Batting Co., Lockport, N. Y. Feeding mechanism for cotton batting and the like. 2,411,637; Nov. 26.

Ramey, Ossie K., Columbus, Ohio. Rope-jumping toy. 2,411,756; Nov. 26.

Ramo, Simon, Niskayuna, N. Y., assignor to General Electric Company. Radio-frequency power measurement. 2,411,553; Nov. 26.

Ramsey, Jesse A., Wenonah, N. J. Piston ring. 2,411,757; Nov. 26.

Raney, William E., Shaker Heights, Ohio. Drill grinder. 2,411,591; Nov. 26.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Reeves, Edward D., Cranford, N. J., assignor to Standard Oil Development Company. Fluid catalyst reactor. 2,411,592; Nov. 26.

Resinous Products & Chemical Company, The, assignee: *See*—
Bruson, Herman A.

Riccitiello, Michael, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid coating compositions. 2,411,554; Nov. 26.

Riesmeyer, August H., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Removing sodium from alumina. 2,411,807; Nov. 26.

Riesmeyer, August H., Collinsville, and W. H. Gitzen, Belleville, Ill., assignors to Aluminum Company of America, Pittsburgh, Pa. Purification of alumina. 2,411,806; Nov. 26.

Roberts, John G., Dobbs Ferry, N. Y. Razor blade package. 2,411,669; Nov. 26.

Robertshaw Thermostat Company, assignee: *See*—
Strobel, Charles K.

Rogers, Douglas C., assignor to Standard Telephones and Cables Limited, London, England. Electric wave filter. 2,411,555; Nov. 26.

Ross, William E., Berkeley, and G. J. Carlson, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Isomerizing hydrocarbons. 2,411,835; Nov. 26.

Routson, Willis G., Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif. Corrosion protection of metals. 2,411,593; Nov. 26.

Ruetz, Joseph, Biel, Switzerland. Tooth root pivot. 2,411,758; Nov. 26.

Rupp, Walter H., Mountainside, and R. O. Wright, Elizabeth, N. J., assignors to Standard Oil Development Company. Separation of hydrocarbons from water miscible liquids by distillation and washing. 2,411,808; Nov. 26.

Rupp, Walter H., Mountainside, and R. O. Wright, Elizabeth, N. J., assignors to Standard Oil Development Company. Apparatus for separating fluids. 2,411,809; Nov. 26.

Ruskin, Henry, assignor of one-half to G. E. Hale, Chicago, Ill. Dry shaver and element thereof. 2,411,594; Nov. 26.

Russell Electric Company, assignee: *See*—
Stolberg, Sven A.

Sallmann, Richard: *See*—
Graenacher, Charles, and Sallmann.

Sander, Morris, Philadelphia, Pa., assignor to Radio Corporation of America. Audio reactor. 2,411,810; Nov. 26.

Sanders, Royden C., Jr., Chestnut Hill, Mass., assignor to Radio Corporation of America. Indicator for frequency modulated radio locator systems. 2,411,595; Nov. 26.

Sanford, Justin H.: *See*—
Lewis, Warren J., and Sanford.

Sanford, Selden B., Yonkers, N. Y., and W. G. Nutzel, Nutley, N. J., assignors to Otis Elevator Company, New York, N. Y. Insulating shield for electrolytic tanks. 2,411,638; Nov. 26.

Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Light-sensitive materials. 2,411,811; Nov. 26.

Sawtelle, Charles A., Rosedale Gardens, Mich. Wear compensating brake mechanism. 2,411,639; Nov. 26.

Saxton, Clarence E., San Diego, Calif. Necktie knot form. 2,411,640; Nov. 26.

Schiebendrein, Mathew, St. Charles, Mo. Seed aspirator feeder and classifier. 2,411,812; Nov. 26.

Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Truck. 2,411,556; Nov. 26.

Schuh, Charles H., St. Petersburg, Fla., assignor to Carbide and Carbon Chemicals Corporation. Synthetic phenolic resins. 2,411,557; Nov. 26.

Schwartz, Conrad B., Louisiana, Mo. Method and apparatus for manufacture of wire fasteners. 2,411,813; Nov. 26.

Schwartz, Werner W.: *See*—
Ingwer, Max, and Schwartz.

Scott & Williams, Incorporated, assignee: *See*—
Lawson, Robert H.

Scusa, Lino, Phoenix, N. Y. Gauge finishing. 2,411,814; Nov. 26.

Sealey, Louis E., Carsham, assignor to Papworth Limited, Bristol, England. Work table with sine bar adjustment. 2,411,641; Nov. 26.

Seckel, Wallace H., assignor to The Perfection Steel Body Company, Galion, Ohio. Vehicle running gear. 2,411,836; Nov. 26.

Seeburg, J. P. Corporation, assignee: *See*—
Boyajian, James A.

Seley, Louis E., Brooklyn, N. Y., assignor to S. H. White, Detroit, Mich. Gas mixture. 2,411,759; Nov. 26.

Semler, Clyde M., Cuyahoga Falls, Ohio. Vulcanization apparatus. 2,411,558; Nov. 26.

Senn, Emil, Riehen, near Basel, assignor to J. R. Geigy A. G., Basel, Switzerland. Halogen-8-hydroxy-quinaldines. 2,411,670; Nov. 26.

Sensel, Eugene E., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Method and apparatus for catalytic conversion. 2,411,760; Nov. 26.

Shapiro, Benjamin H., New York, N. Y., and I. Thomas, Livingston, and J. Hohl, assignors, by mesne assignments, to Plastic Parts Development Corporation, Newark, N. J. Toy. 2,411,596; Nov. 26.

Sharp, Robert G.: *See*—
Bonnell, Lauren W., and Sharp.

Sharples Chemicals Inc., assignee: *See*—
Hunt, Charles K., Olin, and Brandt.
Olin, John F.

Shell Development Company, assignee: *See*—
Evans, Theodore W.
Ross, William E., and Carlson.
Routson, Willis G.

Siegel, Morris H.: *See*—
Sonin, Frances, and Siegel.

Silex Company, The, assignee: *See*—
Lucia, Louis V., and Bassett.

Silverman, Daniel, and T. Gilmartin, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Well signaling system. 2,411,696; Nov. 26.

Skaneateles Boats, Inc., assignee: *See*—
Barnes, John S.

Skoglund, Bert J.: *See*—
Doering, Charles, H. H., Anderson, and Skoglund.

Skrobisch, Alfred: *See*—
Hamilton, Hugh G., Pratt, and Skrobisch.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition resistant to foaming. 2,411,671; Nov. 26.

Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Keying circuit. 2,411,598; Nov. 26.

Smith, Joseph L., Chicago, Ill. Clock. 2,411,597; Nov. 26.

Smith, Lawson A., assignor to R. H. Clark, Los Angeles, Calif. Hole cutting tool. 2,411,697; Nov. 26.

Society of Chemical Industry in Basle, assignee: *See*—
Anderau, Walter.
Graenacher, Charles, and Sallmann.

Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Induction heat-treating apparatus. 2,411,698; Nov. 26.

Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Budd Company, Philadelphia, Pa. Blank for induction heating heads. 2,411,699; Nov. 26.

Sonin, Frances, and M. H. Siegel, New York, N. Y. Forming fur filled yarn. 2,411,559; Nov. 26.

Sowa, Frank J., Cranford, N. J. Solutions of organic mercury compounds. 2,411,815; Nov. 26.

Sparks, William J., Elizabeth, and A. H. Gleason, Westfield, N. J., assignors to Standard Oil Development Company. Polymerization process. 2,411,599; Nov. 26.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Overload clutch. 2,411,600; Nov. 26.

Speed, Richard B., Newark, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Selenium element. 2,411,560; Nov. 26.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device. 2,411,601; Nov. 26.

Standard Oil Development Company, assignee: *See*—
Lieber, Eugene, and Thorner.
McCulloch, Thomas B.
McNab, John G., and Winning.
Morway, Arnold J., and Beerbower.
Packie, John W., and Craft.
Reeves, Edward D.
Rupp, Walter H., and Wright.
Sparks, William J., and Gleason.
Tyson, Charles W.

Standard Telephones and Cables Limited, assignee: *See*—
Fremlin, John H.
Haigh, Leslie B.
Rogers, Douglas C.

Stanolind Oil and Gas Company, assignee: *See*—
Silverman, Daniel, and Gilmartin.

Stanton, Cornelius M.: *See*—
Vincent, William J., and Stanton.

Staub, Alfred: *See*—
Martin, Henry, Hirt, and Staub.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Full cycle hydraulic valve. 2,411,837; Nov. 26.

Stetson, John B., Company, assignee: *See*—
Hodshon, Alfred E., and Tucker.

Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Bucking bar control for riveting hammers. 2,411,561; Nov. 26.

Stewart-Warner Corporation, assignee: *See*—
Leslie, John H., II.
McCollum, Henry J. De N.

Stolberg, Sven A., assignor to Russell Electric Company, Chicago, Ill. Retaining washer and the like. 2,411,761; Nov. 26.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control apparatus for fuel burners. 2,411,642; Nov. 26.

Stromberg-Carlson Company, assignee: *See*—
Brauer, Howard H., and Knebel.
Henderson, Kenneth L., and De Mers.

Super Tool Company, assignee: *See*—
Goldsmith, Thomas R.

Swengel, Robert C., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Tool. 2,411,838; Nov. 26.

Swern, Daniel, Philadelphia, Pa., assignor to United States of America, as represented by The Secretary of Agriculture. 9,10-epoxyoctadecanol and its preparation. 2,411,762; Nov. 26.

Swingle, Artro W., Schenectady, G. H. Pettibone, Scotia, and J. E. Dill, Schenectady, N. Y., assignors to General Electric Company. Control system. 2,411,763; Nov. 26.

Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Centrifugal blower. 2,411,816; Nov. 26.

Teletype Corporation, assignee: *See*—
Lake, Ross A.

Texas Company, The, assignee: *See*—
Malin, Jay B.
Morris, John R.
Sensel, Eugene E.

Thomas, Islyn: *See*—
Shapiro, Benjamin H., Thomas, and Hohl.

Thompson Products, Inc., assignee: *See*—
Kerwin, John M., and Norton.
Thoren, Theodore R., and Johnson.

Thompson, Ralph B., and J. A. Chenicek, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Paraffin alkylation process. 2,411,817; Nov. 26.

Thompson, Ransom S., assignor to United Aircraft Corporation, East Hartford, Conn. Segment type resilient engine mount. 2,411,562; Nov. 26.

Thoren, Theodore R., and P. P. Johnson, Cleveland, Ohio, assignors to Thompson Products, Inc. Manufacturing ribbed dome hollow head valves. 2,411,764; Nov. 26.

Thorner, Marvin E.: *See*—
Lieber, Eugene, and Thorner.

Tokheim Oil Tank and Pump Company, assignee: *See*—
Oberly, Chester C., and Waugh.

Toulmin, Harry A., Jr.: *See*—
Waldie, William A., and Toulmin.

Towner, Stanley H., and P. A. Childs, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electromagnetic relay. 2,411,563; Nov. 26.

Trutner, Donald G.: *See*—
Cox, James L., and Trutner.

Tucker, Harold H.: *See*—
Hodshon, Alfred E., and Tucker.

Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of hydroxy acids. 2,411,760; Nov. 26.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin receiver with movable bottom. 2,411,643; Nov. 26.

Tuthill Pump Company, assignee: *See*—
Endebak, Peter.

Tweedale, Ralph L., Birmingham, assignor to Vickers Incorporated, Detroit, Mich. Pump for power transmissions. 2,411,602; Nov. 26.

Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Cracking of hydrocarbon oils. 2,411,603; Nov. 26.

Union Oil Company, assignee: *See*—
Arnott, Earl.

Union Oil Company of California, assignee: *See*—
Doumani, Thomas F.
Doumani, Thomas F., and Cuneo.
Huffman, Hal C.
Linford, Hooper, and Baral.

United Aircraft Corporation, assignee: *See*—
Thompson, Ransom S.
Zimmerman, Charles H.

United Electric Controls Company, assignee: *See*—
Leupold, Henry G.

United Shoe Machinery Corporation, assignee: *See*—
Abel, Walter L.
Boothroyd, Hubert.
Fossa, Joseph.

U. S. Industrial Chemicals, Inc., assignee: *See*—
Burghart, Lloyd M.

United States Plywood Corporation, assignee: *See*—
Ilch, Theodore E.

United States Rubber Company, assignee: *See*—
Bender, Byron W.

Universal Oil Products Company, assignee: *See*—
Mattox, William J.
Thompson, Ralph B., and Chenicek.

Usselman, George, and C. W. Hansell, Port Jefferson, N. Y., assignors to Radio Corporation of America. Oscillation generator. 2,411,765; Nov. 26.

Van den Akker, Johannes A., Appleton, Wis., assignor to The Institute of Paper Chemistry. Electrical control system. 2,411,672; Nov. 26.

Vechey, Theodore, Jr., Canton, Ohio. Beverage bottle case. 2,411,673; Nov. 26.

Vickers Incorporated, assignee: *See*—
Tweedale, Ralph L.
Wilson, Burton J.

Vincent, William J., and C. M. Stanton, assignors, by mesne assignments, to Electronic Rat Control, Inc., Rochester, N. Y. Animal trap. 2,411,766; Nov. 26.

Wahl, Milton H., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized cyclonite. 2,411,604; Nov. 26.

Waldie, William A., and H. A. Toulmin, Jr., Dayton, Ohio, assignors to New Wrinkle, Inc., Wilmington, Del. Infrared treatment of oils. 2,411,767; Nov. 26.

Waldorf Paper Products Company, assignee: *See*—
Guyer, Reynolds, and Dunning.

Watts, Chester B., Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Coupling circuit. 2,411,564; Nov. 26.

Waugh, Paul E.: *See*—
Oberly, Chester C., and Waugh.

Webb, Richard C., Lafayette, assignor to Purdue Research Foundation, West Lafayette, Ind. Electrical circuits. 2,411,605; Nov. 26.

Weihs, Theodor G., now by judicial change of name Theodore G. White, assignor to American Window Glass Company, Pittsburgh, Pa. Apparatus for manufacturing tempered glass. 2,411,701; Nov. 26.

Weiss, Ernst, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Treating cellulose-containing textiles. 2,411,818; Nov. 26.

Welch, Henry M., Seattle, Wash. Boxcar brace. 2,411,768; Nov. 26.

Welton, Norman S., Nitro, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Staple fiber and production thereof. 2,411,644; Nov. 26.

Western Electric Company, Incorporated, assignee: *See*—
Gauthier, Marcel C.
Hill, Russell J.

Westinghouse Air Brake Company, The, assignee: *See*—
Kelley, Cecil S.
Nelson, Claude A.

Westinghouse Electric Corporation, assignee: *See*—
Lynn, Lawrence B., and Hanna.
New, Winston R.
Riccitiello, Michael.

Whetstone, Irene B., Chicago, Ill., assignor to International Business Machines Corporation. Card filing or grouping apparatus. 2,411,645; Nov. 26.

White, Samuel H., assignee: *See*—
Seley, Louis E.

White, Samuel H., Detroit, Mich. Gaseous mixture. 2,411,769; Nov. 26.

White, Theodore G.: *See*—
Weihs, Theodor G.

Wilbert, Harry E., Sr., Harrisburg, Pa. Vehicle signal switch. 2,411,702; Nov. 26.

Wilson, Burton J., assignor to Vickers Incorporated, Detroit, Mich. Power transmission pump. 2,411,606; Nov. 26.

Wilson, David W., assignee: *See*—
Kellas, Elizabeth M.

Wilson, Ernest D., Worcester, assignor to Arthur D. Little, Inc., Cambridge, Mass. Electrodeposition of copper. 2,411,674; Nov. 26.

Wilson, Thomas L., Scotch Plains, assignor to Federal Telegraph Company, Newark, N. J. Low impedance oscillator. 2,411,565; Nov. 26.

Wingfoot Corporation, assignee: *See*—
Calvert, William C.

Winning, Carl: *See*—
McNab, John G., and Winning.

Wolfner, William F., II, Philadelphia, Pa., assignor to Radio Corporation of America. Remote control system. 2,411,607; Nov. 26.

Wollensak Optical Company, assignee: *See*—
Czarnikow, George K.

Woolf, Baron C. D., assignee: *See*—
Hadley, Frank H.

Wright, Richard O.: *See*—
Rupp, Walter H., and Wright.

Yale & Towne Manufacturing Company, assignee: *See*—
Carliss, Oswald S.
Schroeder, Charles S.

Yoxon, George H. B.: *See*—
Peare, William G. M., and Yoxon.

Zenick, Raymond G., Burbank, Calif. Drill grinding attachment. 2,411,609; Nov. 26.

Zimmerman, Charles H., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Control column for prone positioned pilots. 2,411,770; Nov. 26.

LIST OF DESIGN INVENTIONS

Automobile. W. Reed. 145,984; Nov. 26.
Bottle closure. L. M. Mallick. 145,980; Nov. 26.
Butler, Silent. W. E. Ballard. 145,967; Nov. 26.
Cabinet, Lubricating equipment. F. L. Ayres. 145,963; Nov. 26.
Cabinet, Lubricating equipment. J. Tjaarda. 145,990–1; Nov. 26.
Cabinet, Radio. R. Jenkins. 145,977; Nov. 26.
Cap, Container. P. A. Derham. 145,975; Nov. 26.
Case for a camera. B. Mayer. 145,981–2; Nov. 26.
Chair standard. W. H. Bond, Jr. 145,971–4; Nov. 26.
Chessmen, Set of. M. Tuch. 145,992; Nov. 26.
Extractor, Juice. H. C. Johnson. 145,978; Nov. 26.
Index or similar article, Telephone-address. G. L. Beckstrom. 145,968; Nov. 26.
Jacket or similar article. M. Sices. 145,986–8; Nov. 26.
Material for fragile articles, Packing. E. L. Shepard. 145,985; Nov. 26.
Optical unit. R. H. Wager. 145,993; Nov. 26.
Piano. W. Zaiser. 145,994; Nov. 26.
Pin. R. Kestler. 145,979; Nov. 26.
Plate or article of similar nature, Glass dessert. A. J. Dreitzer. 145,976; Nov. 26.
Raincoat or similar article. E. Bernath. 145,969; Nov. 26.
Receptacle, Waste. S. Bloomfield. 145,970; Nov. 26.
Shrine. A. S. Powell. 145,983; Nov. 26.
Table, Extension serving. H. S. Baker. 145,966; Nov. 26.
Table, Folding serving. H. S. Baker. 145,965; Nov. 26.
Vending machine. W. Baermann. 145,964; Nov. 26.
Washfountain. C. B. Stevens. 145,989; Nov. 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF NOVEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. E. A. Dodelin. 2,411,615; Nov. 26.
Accumulator, Electronic. L. A. de Rosa. 2,411,714; Nov. 26.
Airplane tire prerotating means. C. A. Pavey. 2,411,668; Nov. 26.
Aligning bar. D. S. Grubbs. 2,411,621; Nov. 26.
Alkyl cyclic compound, Dealkylation of. W. J. Mattox. 2,411,799; Nov. 26.
Alkyl esters of higher fatty acids, Producing. F. H. Gayer and C. E. Fawkes. 2,411,536; Nov. 26.
Alumina, Purification of. A. H. Riesmeyer and W. H. Gitzen. 2,411,806; Nov. 26.
Amine reaction mixtures, Purification of. J. F. Olin. 2,411,802; Nov. 26.
Amino alcohols and preparing the same. K. Miescher and A. Marxer. 2,411,664; Nov. 26.
Amplifier, Coupling. H. G. Busignies. 2,411,517; Nov. 26.
Animal fibers, Carroting of. A. E. Hodshon and H. H. Tucker. 2,411,725; Nov. 26.
Animal trap. W. J. Vincent and C. M. Stanton. 2,411,766; Nov. 26.
Apparatus for feeding, cutting, and molding individual edible spreads. C. and H. H. Doering, E. W. Anderson, and B. J. Skoglund. 2,411,616; Nov. 26.
Apparatus for manufacturing tempered glass. T. G. Weihs. 2,411,701; Nov. 26.
Apparatus for raising sunken vessels. E. A. Brizay. 2,411,649; Nov. 26.
Apparatus for sawing stone. E. and F. E. Minkler. 2,411,585; Nov. 26.
Apparatus for separating fluids. W. H. Rupp and R. O. Wright. 2,411,809; Nov. 26.
Apparatus for the production of reflection reducing coatings. G. L. Dimmick. 2,411,715; Nov. 26.
Attachment for straight edges. J. F. and D. M. Dohrwardt. 2,411,529; Nov. 26.
Audio reactor. M. Sander. 2,411,810; Nov. 26.
Auger, Earth. J. C. Jaques. 2,411,627; Nov. 26.
Bag: *See*—
  Hot-water bag.
Bar: *See*—
  Aligning bar.
Bar or the like, Collapsible. J. A. English. 2,411,620; Nov. 26.
Barium salts of cyclic-aliphatic ether alcohols, Preparation of. J. R. Morris. 2,411,586; Nov. 26.
Beverage bottle case. T. Vechey, Jr. 2,411,673; Nov. 26.
Bituminous paved surface and making the same. H. P. Pearson. 2,411,634; Nov. 26.
Blank for induction heating heads. H. E. Somes. 2,411,699; Nov. 26.
Block: *See*—
  Snatch block. Tackle block.
Bobbin receiver with movable bottom. R. G. Turner. 2,411,643; Nov. 26.
Boiler water feed device. T. N. Pinion. 2,411,589; Nov. 26.
Bolt and mounting therefor. T. D. Lane. 2,411,629; Nov. 26.
Bomb control system. J. H. Hammond, Jr. 2,411,788; Nov. 26.
Bomb loading apparatus for airplanes. L. W. Bonnell and R. G. Sharp. 2,411,647; Nov. 26.
Booster control. W. E. Benjamin. 2,411,705; Nov. 26.
Bottom hole regulator. L. D. Mowrey. 2,411,667; Nov. 26.
Bowling alley. C. W. Hartwig. 2,411,789; Nov. 26.
Brace, Boxcar. H. M. Welch. 2,411,768; Nov. 26.
Bushing, Coaxial. K. L. Henderson and E. F. De Mers. 2,411,656; Nov. 26.
Calculating equipment, Electrically operated. L. B. Haigh. 2,411,540; Nov. 26.
Camera or printer, Continuous. R. Place. 2,411,694; Nov. 26.
Camera, Photographic. R. P., K. W., K. B. Beattie, and R. P. Beattie, II. 2,411,704; Nov. 26.
Carboxylic acid anhydrides, Manufacture of. J. W. Fisher. 2,411,567; Nov. 26.
Card filing or grouping apparatus. I. B. Whetstone. 2,411,645; Nov. 26.
Carton construction, Molded. R. Guyer and R. M. Dunning. 2,411,622; Nov. 26.
Cartridges, abrasive sheets, scouring pads and the like, Making filter. F. W. Manning. 2,411,660; Nov. 26.
Case: *See*—
  Beverage bottle case.
Catalyst reactor, Fluid. E. D. Reeves. 2,411,592; Nov. 26.
Catalysts. H. C. Huffman. 2,411,829; Nov. 26.
Catalysts, Manufacture of. K. D. Ashley and A. O. Jaeger. 2,411,820; Nov. 26.
Catalytic conversion, Method and apparatus for. E. E. Sensel. 2,411,760; Nov. 26.
Catalytic process. T. F. Doumani and J. G. Cuneo. 2,411,823; Nov. 26.
Catenary rooflike construction and forming it. W. D. Darby. 2,411,651; Nov. 26.
Cathode structure. P. G. Chevigny. 2,411,506; Nov. 26.
Centrifugal blower. W. D. Teague, Jr. 2,411,816; Nov. 26.
Circuit: *See*—
  Coupling circuit. Keying circuit.
  Electric control circuit. Phase inverter circuit.
  Frequency counter circuit.
Circuits, Electrical. R. C. Webb. 2,411,605; Nov. 26.
Clamp. C. P. Feudtner. 2,411,533; Nov. 26.
Clamp and spacer for concrete forms. E. Cornella. 2,411,678; Nov. 26.
Clip: *See*—
  Wool clip.
Clipping system. J. A. Rado. 2,411,695; Nov. 26.
Clock. J. L. Smith. 2,411,597; Nov. 26.
Closer, Spring door. F. Pfent. 2,411,635; Nov. 26.
Clothing, Protective. C. P. Krupp. 2,411,830; Nov. 26.
Clutch: *See*—
  Fluid clutch. Overload clutch.
Clutch. H. J. Luehrs. 2,411,739; Nov. 26.
Coating compositions, Liquid. M. Riccitiello. 2,411,554; Nov. 26.
Coin controlled multiple certificate and printing means. A. C. Peterson. 2,411,805; Nov. 26.
Cold worked hollow stem valve. J. M. Kerwin and S. H. Norton. 2,411,734; Nov. 26.
Collector, Current. W. J. Lewis and J. H. Sanfor. 2,411,797; Nov. 26.
Color matching apparatus. J. L. Michaelson. 2,411,741; Nov. 26.
Column for prone positioned pilots, Control. C. H. Zimmerman. 2,411,770; Nov. 26.
Communications system. W. S. Halstead. 2,411,786; Nov. 26.
Compressor. A. E. Biermann. 2,411,707; Nov. 26.
Condensation product and preparing and using the same. E. Lieber and M. E. Thorner. 2,411,579; Nov. 26.
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Contact device, Fire alarm. D. Padilla. 2,411,752; Nov. 26.
Control apparatus. H. F. Elliott. 2,411,618–19; Nov. 26.
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Control device. C. S. Kelley. 2,411,732; Nov. 26.
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Control system, Follow-up. H. Olken. 2,411,750; Nov. 26.
Controlling torch spacing, Method and apparatus. H. O. Klinke. 2,411,737; Nov. 26.
Copper, Electrodeposition of. E. D. Wilson. 2,411,674; Nov. 26.
Corrosion inhibiting composition and method. L. M. Burghart. 2,411,676; Nov. 26.
Cotton picker. A. J. Kay. 2,411,575; Nov. 26.
Coupling circuit. C. B. Watts, Jr. 2,411,564; Nov. 26.
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Curler, Eyelash. E. Byron. 2,411,519; Nov. 26.
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Damper control. R. J. Parsons. 2,411,834; Nov. 26.
Device for carrying children. W. A. and B. A. Hancock. 2,411,721; Nov. 26.
Dial head unit for weighing and recording scales. O. S. Carliss. 2,411,521; Nov. 26.
Diaphragm mechanism for projection lenses, Iris. G. K. Czarnikow. 2,411,777; Nov. 26.
Diolefins, Concentration of. J. W. Packie and W. S. Craft. 2,411,588; Nov. 26.
Disazo dyestuffs and making same. W. Anderau. 2,411,646; Nov. 26.
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Dredging device. C. W. Holland. 2,411,685; Nov. 26.
Drier. W. H. Joyce, Jr. 2,411,792; Nov. 26.

Drier for aggregates and the like. I. J. Overman. 2,411,751; Nov. 26.
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Dynamoelectric machine assembly. H. G. Hamilton, L. C. Pratt, and A. Skrobisch. 2,411,684; Nov. 26.
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Electric control circuit. M. E. Bivens. 2,411,708; Nov. 26.
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Electric switch. O. A. Huntsman. 2,411,730; Nov. 26.
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Fish, Canning fresh water. A. R. Kleinschmidt. 2,411,736; Nov. 26.
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Gauge finishing. L. Sousa. 2,411,814; Nov. 26.
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Gear for vehicles, Steering. P. E. Hawkins. 2,411,570; Nov. 26.
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Animal trap.
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CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 26, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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THE

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Disclaimer

2,324,269.—*Ouglješa Jules Poupitch*, Chicago, Ill. FASTENING DEVICE. Patent dated July 13, 1943. Disclaimer filed Oct. 25, 1946, by the assignee, *Illinois Tool Works*.

Hereby enters this disclaimer to claim 6 in said specification.

Adjudicated Patents

(D. C. N. Y.) Berndt & Creighton patent, No. 2,072,416, for a method of antirachitically activating milk, claims 13, 14, 16, 17, and 18 *Held* invalid. *R. U. V. Engineering Corp.* v. *Borden Co.*, 67 F. Supp. 587; 70 USPQ 322.

(C. C. A. N. Y.) Mason reissue patent, No. 20,092, for a control mechanism, claims 2, 5, 10, and 13 *Held* invalid. *Foxboro Co.* v. *Taylor Instrument Cos.*, 157 F.(2d) 226; 70 USPQ 339.

(D. C. N. Y.) Meduna reissue patent, No. 22,397, for application of spray metal to metal surfaces *Held* invalid. *Metallizing Engineering Co.* v. *B. Simon, Inc.*, 67 F. Supp. 566; 71 USPQ 4.

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

William F. MacConnell, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by McNeil Laboratories, Incorporated, 2900 N. Seventeenth St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of William F. MacConnell, 602 Provident Bank Bldg., Cincinnati, Ohio, No. 267,009, dated February 11, 1930, and the notice of such proceeding sent by registered mail to the said MacConnell at the said address having been returned by the post office undeliverable, notice is hereby given that unless said MacConnell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

E. Guthrie Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Adella Dress Company, 1238 Callowhill St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of E. Guthrie Co., Paducah, Ky., No. 193,110, dated December 16, 1924, and the notice of such proceeding sent by registered mail to the said E. Guthrie Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said E. Guthrie Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

Frankly Frocks, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Frankly Fabrics Corp., 1441 Broadway, New York, N. Y., to effect the cancellation of trade-mark registration of Frankly Frocks, Inc., 1333 Broadway, New York, N. Y., No. 349,987, dated September 14, 1937, and the notice of such proceeding sent by registered mail to the said Frankly Frocks, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Frankly Frocks, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business November 8, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 129,271; Trade-Mark Division, 11,255. Oldest new case, April 9, 1945, oldest amended, April 27, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	June 4	July 18	2536
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 23	July 25	3031
3. SCHIMMEL, J., Metal Pounding; Metallurgy; Metal Treatment; Compositions (part)	June 6	July 3	2007
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Sept. 7	Aug. 24	2393
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	April 12	May 10	3666
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 9	Nov. 24	1759
7. HANLIN, GEORGE, Optics, Photography	June 30	Dec. 15	1404
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Aug. 11	Sept. 1	3177
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	June 1	May 11	2140
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Sept. 4	Aug. 27	1456
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 21	†Mar. 9	725
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 13	July 16	2625
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	June 28	2068
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 15	Sept. 24	1464
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Oct. 21	Oct. 29	1159
16. LOVEWELL, N. N., Telegraphy; Telephony	Oct. 18	Nov. 2	1210
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 11	May 21	1128
18. KUEZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	April 27	July 6	1852
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 20	Oct. 26	1671
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	July 9	July 26	1916
21. THOMPSON, T. J., Textiles	†Feb. 6	†Feb. 23	746
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 27	1909
23. LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 19	Aug. 23	222
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 28	†Feb. 20	1085
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 6	Sept. 12	1433
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 13	July 20	1871
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 17	June 22	1989
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	June 6	May 30	1484
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	July 23	July 24	2196
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Aug. 11	Aug. 2	2252
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	April 19	April 20	865
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 24	Oct. 2	2094
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 22	Aug. 4	2944
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Aug. 31	Sept. 12	1282
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 7	Oct. 15	1971
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1635
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 8	Sept. 24	1298
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Sept. 28	Oct. 10	1287
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	June 6	June 4	2384
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 26	Oct. 3	2466
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Sept. 27	Sept. 4	797
42. MARANS, H., Electric Signaling; Electricity. Galvanometers and Meters	Oct. 23	Nov. 8	963
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Aug. 22	July 16	1156
44. HARVEY, L. P., Refrigeration; Preserving	May 12	June 21	1198
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 2	Sept. 4	2465
46. MUEHLAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 18	Sept. 15	1490
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 22	Oct. 1	2685
48. BERNSTEIN S., Electricity, General Applications; Electric Igniters	May 4	May 11	1903
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 23	Aug. 24	1542
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 5	Nov. 5	2207
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	July 21	July 18	2216
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	July 3	Aug. 1	2976
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 24	3409
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 9	July 14	2071
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Sept. 5	1659
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 10	Sept. 19	1376
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	April 9	May 28	2840
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 15	†Jan. 21	1322
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 13	June 13	2030
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 13	Oct. 19	1762
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	July 10	June 29	2508
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	April 18	April 27	3584
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 10	Aug. 18	1945
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†April 8	†April 8	988
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 24	July 25	2256
Trade-Marks: RICHMOND, F. A	†Jan. 7	†June 6	11,255
Designs: KALUPY, H. H.	Dec. 20	†Aug. 12	6623

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SWAIN ET AL.

No. 5,175. Decided June 27, 1946

[156 F.(2d) 239; 70 USPQ 412]

1. PATENTABILITY—INVENTION—SHOWING.

"Under the law it was incumbent upon appellants to establish by a proper showing that they have invented a coating composition possessing characteristics or qualities of utility that are new and materially different from the compositions disclosed in the cited references."

2. APPEAL—EFFECT OF FAILURE TO CHALLENGE STATEMENTS BELOW.

"If appellants wished to challenge the statement of the Examiner, they should have requested him to cite his authority for the statement. If the cited authority was based upon facts within his personal knowledge, appellants should have proceeded under rules 66 and 76 of the Patent Office and called for the affidavit of the Examiner thereby placing themselves in a position to contradict or correct the Examiner's statement. Having failed to do so, the statement must be accepted here as correct."

3. PATENTABILITY—INVENTION—EXPERIMENTATION.

Where the Examiner stated that "the art cannot predict the upper limit of compatibility of two film-forming materials," and also that "the art cannot predict just what will be the limits or top limit of compatibility of any new resin with ethyl cellulose," *Held* that the statements "cannot be interpreted as a valid holding that it would constitute invention to experiment with the involved substances and thereby determine the limits of their compatibility."

4. SAME—SAME—COATING COMPOSITIONS.

"It was also old in the art to use melamine resin with cellulose material in mixtures to form a coating composition and the substitution of one known cellulose material for another does not involve invention in the absence of a proper showing of a new and unexpected result."

5. APPEAL—NON-ELECTED SPECIES—REASONS OF APPEAL.

"Claims 7 and 8, drawn to a non-elected species, need not be further considered, no reason of appeal having been assigned concerning the ground of their rejection and no generic claim having been allowed."

APPEAL from the Patent Office. Affirmed.

Mr. James Edwin Archer for Swain et al.

Mr. W. W. Cochran for the Commissioner of Patents.

O'CONNELL, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 5, 6, 7, 8, and 10 in appellants' application for a patent on coating compositions containing cellulose acetate and melamine-formaldehyde resins. Claims 5, 6, and 10 were rejected as lacking invention over the cited references and claims 7 and 8, drawn to a non-elected species, "as not readable on the elected species, since there is no allowable generic claim."

Claim 5 is selected as illustrative of the subject matter. It reads—

5. A coating composition containing cellulose acetate and a melamine-formaldehyde resin which has been reacted with an alcohol containing from 3 to 8 carbon atoms and wherein the molal ratio of formaldehyde to melamine is at least about 4 : 1, the weight ratio of cellulose acetate to melamine resin being at least about 9 : 1.

The references are—Moss, 1,815,444, July 21, 1931, Moss, 1,977,642, Oct. 23, 1934; page 11, "Vinylite, Series V resins for Surface Coatings," published 1939 by Carbide & Carbon Chemical Corporation, New York city; Widmer et al., 2,197,357, Apr. 16, 1940; Moore, 2,218,474, Oct. 15, 1940.

This appeal is but one of four cases collectively presented here for determination. Because the parties are identical, the cases very closely related, and the same questions of patentability involved, the four cases were argued at the same time. As described in the Solicitor's brief—

All of the applications relate to coating compositions adapted for application to metal objects and to be baked thereon to form a hard transparent film. All of the compositions contain a melamine-formaldehyde resin which has been reacted with an alcohol and in addition they contain one or another of the following: cellulose acetate, ethyl cellulose or polyvinyl acetate acetal. The claims recite certain minimum proportions or a range of proportions of the last named materials to the resin, a certain minimum proportion of the formaldehyde to melamine in the resin, and certain limitations as to the alcohol employed. In general the rejection of the claims has been on the ground that recited proportions were ascertained by mere routine experimentations without the exercise of invention.

Of the cited references in the instant case, the patent to Moss, No. 1,815,444, discloses an adhesive liquid coating composition containing a mixture of cellulose acetate and a synthetic resin compatible therewith in a volatile solvent, in which the proportions of cellulose acetate and synthetic resin, as described in Example 1, range from 1:9 to 9:1.

In Moss, No. 1,977,642, a coating composition is disclosed containing cellulose acetate to which natural or synthetic resins may be added to improve not only the strength but also the adhesive qualities of the composition. Moss recites an extensive list of suitable synthetic resins.

The publication of the Carbide & Carbon Chemical Corporation, "Vinylite," discloses compatibility ranges of "Vinylite resin" and numerous other film-forming materials established by compatibility tests.

Widmer et al. discloses coating compositions made of melamine-formaldehyde-alkyl resins which may be used as lacquers. Many species of the composition are described in 49 examples printed in the specification.

Example 1 shows a mixture of formaldehyde and melamine in the molal ratio of 8 to 1 and the compound thus obtained is added to butyl alcohol, as described in Example 9, which in turn, "may be added, for example, to nitrocellulose lacquers in order to lend them hardness and filling capacity."

The patent to Moore relates to coating compositions such as varnishes, lacquers, "and in general,

to film-forming compositions for the production of films requiring good strength, hardness, and adhesive power." Blends of melamine-formaldehyde-resin and alkyd resin may be mixed "with other materials of the same or different classes such as cellulose esters or ethers including nitrocellulose, cellulose acetate."

Moore is illustrated by twelve examples which describe certain of the more specific features of his invention. Example 1, for instance, describes a melamine-formaldehyde resin, reacted with n-butanol. This resin is mixed with nitrocellulose to make a lacquer. The molal ratio of formaldehyde to melamine described in Example 1 is 4.5:1.

The crux of the issue in the respective appeals presented herewith is explicitly set forth in the decision of the Examiner in the instant case. It is deemed advisable to quote the following excerpt therefrom, omitting numerical references to pages:

> Claim 5 stands rejected as unpatentable over Moore. The Moore patent contains several examples of mixtures of the specific claimed melamine-formaldehyde-alcohol resins and nitrocellulose including one in which the nitrocellulose-melamine resin ratio is 4:1. He teaches that cellulose acetate may be used instead of the nitrocellulose (which is cellulose nitrate). The claim differs from Moore only by specifying that the weight ratio of cellulose acetate to melamine resin is at least 9:1. Applicants have determined that if more than 10% of the claimed melamine resin is present the materials will be incompatible. Moore does not state what proportions of cellulose acetate he employs, but the art in following his teachings would obviously desire a compatible mixture; see the Moss patents, for example. *It is routine procedure in the art to determine the compatibility ranges of other film-forming materials with new synthetic resins; the Vinylite publication is exemplary of this practice.* The carrying out of such tests to determine the compatibility ranges of Moore's mixture of cellulose acetate and melamine-formaldehyde-butanol resin is no more than the obvious and necessary way of putting the teachings of the patentee into effect. This is well within the skill of the routineer and is not inventive.
>
> Claim 5 stands further rejected as unpatentable over Widmer et al., especially in view of the Moss patents. Widmer discloses that the specific melamine-formaldehyde-butanol resins claimed may be added to lacquers to make them harder and more water-resistant, specifically disclosing additions of such resins to nitrocellulose lacquers (Ex. 9). The addition of Widmer's resins to cellulose acetate lacquers, such as those of Moss, is not inventive in view of these teachings. The effects of such an expedient appear to be the expected ones. The melamine-formaldehyde-butanol resins are known to impart the properties of hardness, light-, heat-, water-, and chemical-resistance (see Widmer et al. or Moore); they are known to become insoluble in organic solvents on baking. The properties of cellulose acetate are well known and the addition of synthetic resins to cellulose acetate lacquers is common; see Moss. Looking at the question in another way, the substitution of cellulose acetate lacquer for the cellulose nitrate lacquer of Widmer et al. has not been shown to produce any unexpected results in view of the known properties of these two materials.
>
> Applicants urge that it was invention to discover that the specific melamine-formaldehyde-alcohol resins of Widmer et al. (Ex. 9) are compatible only to the extent of 10% with cellulose acetate. They state that the extent of compatibility depends on the amount of formaldehyde and the character of the alcohol; both of these limitations are present in the Widmer et al. resins (Ex. 9). However, there is no evidence of record to show that melamine resins made with other ratios of formaldehyde or other alcohols are entirely incompatible with cellulose acetate. *The Examiner readily admits that the art does not know how to predict the upper limit of compatibility of two film-forming materials. However, the determination of the upper limit of compatibility is merely routine experimentation, well within the skill of the art.*
>
> * * * * * * *
>
> Claim 6 stands rejected on the same grounds as claim 5, from which it differs by specifying that the alcohol is n-butanol. This is shown by Moore and Widmer et al.
>
> Claim 10 stands rejected on the same grounds as claim 5, from which it differs by specifying that the upper limit of the formaldehyde-melamine ratio is 6:1. The resins of Moore and Widmer et al. clearly fall within the claimed range. [Italics supplied.]

The Board of Appeals discussed the patent to Widmer et al. and held that their Example 9 directly or equivalently satisfies the terms of the claims herein as to melamine-formaldehyde-alkyl per se, and pointed out that "This applies to the formaldehyde-melamine ratio and to the alkylating alcohol."

The Board also held that Widmer et al. propose combination of their melamine with cellulose nitrate; that "Moore proposes combination of melamine resin with several cellulose esters and ethers," among them the cellulose acetate of the appealed claims; and that "The patents to Moss may be taken as cumulative in showing the general utility of cellulose acetate and equivalency of it to cellulose ethers and other esters in the coating composition art."

In view of the art of record, particularly Moore, the Board concluded that the appealed claims failed to set forth invention and accordingly affirmed the decision of the Examiner.

The import of appellants argument is that the Examiner and the Board of Appeals erred in not holding that the claimed ratios and proportions were critical and inventive over the disclosure of the prior art of record, and in holding that no invention was involved in determining the claimed ratios and proportions by experimentation.

In support of their position appellants urge that since no person skilled in the art could predict the ratios and proportions of melamine resin which would be compatible with particular film-forming materials, routine experimentation was required; and since appellants by actual tests in the laboratory have established the relative proportions of those substances which would be compatible, the results of such experimentation are patentable, and in case of doubt, the question of patentability should be resolved in favor of appellants under the doctrine of *Corona Cord Tire Company* v. *Dovan Chemical Corporation*, 276 U. S. 358, 370 O. G. 1011, and *In re Sibley*, 24 C. C. P. A. (Patents) 1143, 88 F.(2d) 960, 33 USPQ 212, 485 O. G. 21.

What appellants really seek is a patent on a result produced in mixtures of melamine resins and various film-forming materials, the claimed ratios and proportions of which, as correctly held by the tribunals of the Patent Office, are within the ranges generally disclosed or suggested by the prior art and there was nothing in the record which established that the claimed ratios and proportions were critical.

[1] Under the law it was incumbent upon appellants to establish by a proper showing that they have invented a coating composition possessing characteristics or qualities of utility that are new and materially different from the compositions disclosed in the cited references. See *In re Swenson et al.*, 30 C. C. P. A. (Patents) 809, 132 F.(2d) 1020, 56 USPQ 372, 549 O. G. 200, *In re Cooper et al.*, 30 C. C. P. A. (Patents) 946, 134 F.(2d) 630, 57 USPQ 117, 553 O. G. 177, and authorities therein cited.

Appellants rely upon an affidavit and the tables submitted by them in these appeals as illustrating and proving that the claimed "ratio of formaldehyde to melamine, as well as the alcohol reacted with the melamine resin, is critical." That evidence, however, is clearly insufficient, as disclosed upon examination, to sustain their burden of proof on the issue of criticality.

Appellants assert that the decisions by the tribunals of the Patent Office were erroneously based on a mistake of fact not only in the case at bar but also in two of the other appeals presented herewith. In support of that position, appellants contend—

> In the rejection of the claims in Appeal Nos. 5175, 5176, and 5177, which are all based primarily on the Widmer et al. patent, on the ground that there is no invention in substituting cellulose acetate or ethyl cellulose for the nitrocellulose, attention is called to the fact that the Examiner has not given any reason for alleging that either cellulose acetate or ethyl cellulose are equivalent to nitrocellulose. All of these products have separate and distinct properties, and in the absence of some reference to show that they are all equivalent, it is submitted that the rejection of the Board of Appeals is untenable.

[2] The point in question is not properly before the court. If appellants wished to challenge the statement of the Examiner, they should have requested him to cite his authority for the statement. If the cited authority was based upon facts within his personal knowledge, appellants should have proceeded under rules 66 and 76 of the Patent Office and called for the affidavit of the Examiner thereby placing themselves in a position to contradict or correct the Examiner's statement. Having failed to do so, the statement must be accepted here as correct. *In re Lewis*, 25 C. C. P. A. (Patents) 1273, 96 F.(2d) 1009, 37 USPQ 786, 788, 497 O. G. 18; *In re Eliot*, 22 C. C. P. A. (Patents) 1088, 76 F.(2d) 309, 25 USPQ 111, 459 O. G. 3.

[3] The Examiner in the instant case stated that the art cannot predict the upper limit of compatibility of two film-forming materials and in each of two other cases appealed herewith the Examiner also stated that the art cannot predict just what will be the limits or top limit of compatibility of any new resin with ethyl cellulose.

The statements of the Examiner on the point in question cannot be interpreted as a valid holding that it would constitute invention to experiment with the involved substances and thereby determine the limits of their compatibility. "But," as correctly pointed out by the Solicitor for the Patent Office, "it is precisely because those skilled in the art cannot predict with certainty that they ever make experiments or tests. It does not follow that the results of such experiments amount to invention." Moreover, as the Examiner properly held herein, it is old in the art to establish such limits by experimentation.

[4] It was also old in the art to use melamine resin with cellulose material in mixtures to form a coating composition and the substitution of one known cellulose material for another does not involve invention in the absence of a proper showing of a new and unexpected result.

The art of record discloses such mixtures in compatible proportions. The relative proportions or limits of compatibility described in the examples contained in the cited references are not in some instances precisely the same as those defined in the appealed claims. The difference in proportions in such instances, however, was not shown to be critical and could be and was ascertained by routine experimentation.

[5] What appellants have done here is the thing that the prior art suggests doing and under the authorities hereinbefore cited the court is not authorized to grant the allowance of claims 5, 8, and 10. See also *In re Berger*, 31 C. C. P. A. (Patents) 1234, 143 F.(2d) 971, 62 USPQ 299, 568 O. G. 389; *In re Stover*, 32 C. C. P. A. (Patents) 823, 146 F.(2d) 299, 64 USPQ 166, 573 O. G. 367; *Minnesota Mining & Manufacturing Co.* v. *Coe, Commissioner of Patents*, 69 App. D. C. 217, 99 F.(2d) 986, 38 USPQ 213, 493 O. G. 946. Claims 7 and 8, drawn to a nonelected species, need not be further considered, no reason of appeal having been assigned concerning the ground of their rejection and no generic claim having been allowed.

In view of our conclusion, it would serve no useful purpose to discuss and pass upon other points raised by appellants, and the decision of the Board of Appeals is accordingly affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SWAIN ET AL.

No. 5,176. Decided June 27, 1946

[156 F.(2d) 244; 70 USPQ 416]

PATENTABILITY—COATING COMPOSITIONS.

Reference made to the decision in companion appeal No. 5,175 and *Held* that the claims were properly rejected.

APPEAL from the Patent Office. Affirmed.

Mr. James Edwin Archer for Swain et al.

Mr. W. W. Cochran for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 1, 2, 3, 4, and 5 being all the claims in appellants' application for a patent on coating compositions containing ethyl cellulose. Claims 1, 2, and 5 were rejected as unpatentable over the prior art of record and claims 3 and 4 were rejected "as not readable on the elected species, there being no allowable generic claim."

The references are—Pages 23–26 and 28, Bulletin No. 2, "Ethocel," published 1937 by Dow Chem-

ical Co., Midland, Mich.; pages 35–43 and 46, "Ethocel Handbook," published 1940 by Dow Chemical Co.; Widmer et al., 2,197,357, Apr. 16, 1940; Moore, 2,218,474, Oct. 15, 1940.

Claim 1, which is generic, is illustrative of the subject matter and reads—

1. A coating composition containing ethyl cellulose and a melamine-formaldehyde resin which has been reacted with an aliphatic alcohol containing from 4 to 8 carbon atoms, wherein the molal ratio of formaldehyde to melamine is at least about 4:1 and wherein the ratio of ethyl cellulose to melamine resin is at least about 3:1.

"This claim," as correctly observed by the Solicitor for the Patent Office, "is in general similar to the subject matter involved in appeal No. 5175. The cellulosic material in this case is ethyl cellulose; in the other case it was cellulose acetate. The melamine-formaldehyde resin constituents and proportions are the same. The ratio of cellulose material to resin in this case is at least 3 to 1, while in the other case it is at least 9 to 1."

Claim 2 is distinguished from claim 1 by the recital of n-butyl as the alcohol employed and the molal ratio of formaldehyde to melamine here defined is at least about 5 to 1. Claim 5 differs from claim 1 by specifying that the molal ratio of formaldehyde to melamine is between about 4:1 and about 6:1.

Bulletin No. 2, published by Dow Chemical Company describes the compatibility of numerous synthetic resins and "Ethocel," which, according to the Examiner, is ethyl cellulose; together with the properties of "Ethocel" films containing 20% of the synthetic resin. The "Ethocel Handbook" shows the use of many more resins with "Ethocel" and a table of comparison of resin compatibility of "Ethocel" types.

Widmer et al. and Moore disclose the use of melamine-formaldehyde resins in the claimed range of proportions of at least 4 to 1 which resins are reacted with an alcohol of the character claimed and mixed with cellulose nitrate.

On the issue of criticality, appellants present in their brief a certain chart showing the comparative use and ratios of the involved compositions and have made certain statements concerning the tabulated ratios for the purpose of showing that the claimed range of proportions is in fact critical.

The data on the point in question cannot be accepted in support of appellants' position, however, as they were obliged to establish criticality by a proper showing before in the tribunals of the Patent Office, as pointed out in the decision of the court in the companion appeal, No. 5175. See also *In re Berger*, 31 C. C. P. A. (Patents) 1234, 143 F.(2d) 971, 62 USPQ 299, 568 O. G. 389.

Since the range of proportions claimed by appellants was not shown to be critical, claims 1, 2, and 5 were rejected by the Examiner as unpatentable over the teachings either of Widmer et al. or the patent to Moore in view of the disclosures of the cited publications by the Dow Chemical Company. Claim 2, it was noted, recites n-butyl, the alcohol described and used by both Moore and Widmer et al.

Briefly, it was the position of the Examiner as well as the Board that what appellants had done was the thing that the art of record suggested doing; that it was "non-inventive to try ethyl cellulose in either the Widmer et al. or the Moore composition in place of nitro-cellulose ethers or esters of the latter"; and that "the selection of proportions between the two principal resinous constituents is no more than expected skill of those working in the art within disclosure of the references."

The real question in issue here, as pointed out by appellants, "is whether invention was involved in determining by experimentation which melamine resins and the proportions thereof which would be compatible with ethyl cellulose." That issue has been discussed in the companion appeal, No. 5175, and decided adversely to appellants' contention.

For the reasons stated, the decision of the Board of Appeals is affirmed as to claims 1, 2, and 5 as well as to claims 3 and 4; no reason of appeal having been assigned as to the ground of rejection of claims 3 and 4, and no generic claim having been allowed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SWAIN ET AL.

No. 5,177. Decided June 27, 1946

[156 F.(2d) 245; 70 USPQ 417]

PATENTABILITY—COATING COMPOSITIONS.

"The claimed range of proportions herein having been determined by routine experimentation and no critical result having been established by a proper showing, the decision of the Board of Appeals in its rejection of all the claims herein is accordingly affirmed."

APPEAL from the Patent Office. Affirmed.

Mr. James Edwin Archer for Swain et al.

Mr. W. W. Cochran for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 1, 2, 3, 4, and 5 being all the claims in appellants' application for a patent on coating compositions containing ethyl cellulose. Claims 1, 2, and 5 were rejected as unpatentable over the prior art of record and claims 3 and 4 were rejected "as not readable on the elected species since there is no allowable generic claim."

Claim 1, which is generic, is illustrative of the subject matter and reads—

1. A coating composition containing ethyl cellulose and a resin selected from the group consisting of melamine-formaldehyde resins which have been reacted with an aliphatic alcohol containing from 4 to 7 carbon atoms wherein the molal ratio of formaldehyde to melamine is at least about 5:1 and melamine-formaldehyde resins alkylated with an octyl alcohol wherein the molal ratio of formaldehyde to melamine is at least about 4:1, the proportion of ethyl cellulose and melamine resin being in a ratio between about 3:1 and about 1:3.

Claim 1 differs from claims 2 and 5 in that claim 2 defines a coating composition reacted with n-butyl alcohol and claim 5 recites "the molal ratio of formaldehyde to melamine is between about 4:1 and about 6:1."

This appeal and companion appeal, No. 5176, were discussed together in appellants' brief inasmuch as the references relied upon by the tribunals of the Patent Office were identical in both cases, the grounds of rejection in each case were the same, and both cases relate to coating compositions containing ethyl cellulose and compatible portions of certain melamine-formaldehyde resins. It is deemed unnecessary therefore to repeat and discuss the cited references together with the validity of the grounds of rejection.

The claimed range of proportions herein having been determined by routine experimentation and no critical result having been established by a proper showing, the decision of the Board of Appeals in its rejection of all the claims herein is accordingly affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SWAIN ET AL.

No. 5,178. Decided June 27, 1946

[156 F.(2d) 246; 70 USPQ 418]

1. PATENTABILITY — INVENTION — EXPERIMENTATION — SHOWING.

"In the absence of a proper showing of an unexpected and superior result over the disclosure of the prior art, no invention is involved in a result obtained by experimentation."

2. SAME—COATING COMPOSITIONS.

"The decision of the Board of Appeals, which rejected claims 1, 2, and 4 as unpatentable over the art of record, and claim 3 as drawn to a non-elected species with no allowable generic claim, is affirmed."

APPEAL from the Patent Office. Affirmed.

Mr. James Edwin Archer for Swain et al.

Mr. W. W. Cochran for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 1, 2, 3, and 4 being all the claims in appellants' application for a patent on coating compositions containing substantial amounts of polyvinyl acetate acetal and a melamine-formaldehyde resin. Claims 1, 2, and 4 were rejected as unpatentable over the prior art of record and claim 3 was rejected "as not reading on the elected species."

The references are—Miller, 2,195,254, Mar. 26, 1940; Widmer et al., 2,197,357, Apr. 16, 1940; D'Alelio, 2,320,816, June 1, 1943; D'Alelio, 2,320,817, June 1, 1943; D'Alelio, 2,325,375, July 27, 1943; D'Alelio, 2,332,896, Oct. 26, 1943.

Claim 1 is regarded as illustrative—

1. A coating composition containing substantial amounts of polyvinyl acetate acetal and a melamine-formaldehyde resin which has been reacted by heating with an alcohol selected from the group consisting of butyl alcohols and benzyl alcohol, wherein the molal ratio of formaldehyde to melamine is at least about 5:1.

The involved subject matter was described by the Board of Appeals—

The appealed claims relate to a coating composition said to be particularly suitable for use as a baking enamel. It comprises two principal constituents of resinous nature, one of which is an alkylated melamine-aldehyde type of resin and the other a compatible resinous material of the type set forth by the claims. The particular features, such as the other resinous material and ratio of constituents involved, are believed sufficiently apparent for purpose of discussion from the quoted claims.

The Board after correctly pointing out that the supplemental citations of Miller and the three D'Alelio patents disclose polyvinyl acetal resins combined with various other resinous bodies, affirmed the action of the Examiner in his rejection of claims 1, 2, and 4 based on the cited D'Alelio disclosures and held that appellants' claimed proportions were not shown to be critical and that invention did not apply to them.

D'Alelio's cited patents relate broadly to resinous compositions and, as described in the specification of Patent No. 2,320,817, melamine is mixed with formaldehyde in the proportion of 6 to 7 mols of formaldehyde to 1 of melamine. Furthermore, that mixture is reacted with various alcohols, including butyl, and such mixture in turn may be mixed with "polyvinyl compounds such as * * * polyvinyl acetate, polyvinyl acetals." Disclosures of a similar nature are to be found also in the other two patents to D'Alelio cited herein.

According to appellants' contention, D'Alelio deals with "complex" resinous compositions rather than the claimed "simple" melamine-formaldehyde resins, and for that reason the cited patents are obviously irrelevant herein. The point raised by appellant is clearly without merit. The Examiner correctly held "Merely because melamine resins are newer does not mean that it is patentable to try melamine-formaldehyde resins where the older * * * resins are used." See *In re Berger*, 31 C. C. P. A. (Patents) 1234, 143 F.(2d) 971, 62 USPQ 299, 568 O. G. 389.

The claimed molal ratio of formaldehyde to melamine of at least about 5 to 1 is within the range of proportions hereinbefore described by D'Alelio and the affidavit submitted by appellants does not establish criticality by a proper showing.

[1] In the absence of a proper showing of an unexpected and superior result over the disclosure of the prior art, no invention is involved in a result obtained by experimentation. See authorities cited in companion appeal, No. 5,175.

[2] For the reasons stated, the decision of the Board of Appeals, which rejected claims 1, 2, and 4 as unpatentable over the art of record, and claim 3 as drawn to a non-elected species with no allowable generic claim, is affirmed.

Affirmed.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

Studio Hosiery Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Jacobs, Grossman and Rosenberg, Inc., Erie Ave. and "K" St., Philadelphia, Pa., for registration of a trade-mark and trade-mark registered September 4, 1928, No. 246,331, to Studio Hosiery Company, 1312 Washington Ave., St. Louis, Mo., and the notice of such declaration sent by registered mail to said Studio Hosiery Company at the said address of record having been returned by the post office as undeliverable, notice is hereby given that unless said Studio Hosiery Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,269,577, M. M. Brohard, Jr., Necktie, decided Sept. 19, 1946, claims 1 and 2.

Pat. 2,358,337, Lawson, Parke & Sweet, Vitamin intermediates and their preparation, decided Oct. 28, 1946, claims 4 and 7.

Pat. 2,379,548, E. M. Squire, Coin-operated voice recording machine, decided Oct. 28, 1946, claims 1, 2, 4, 5, 6, and 7.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 1,981,984. KEY HOLDER. Patented Nov. 27, 1934. Group 40. Reg. No. 4,335.

Pat. 2,029,696. KEY HOLDER. Patented Feb. 4, 1936. Group 40. Reg. No. 4,336.

Pat. 2,051,935. KEY HOLDER. Patented Aug. 25, 1936. Group 40. Reg. No. 4,337.

Pat. 2,376,026. SPRING. Patented May 15, 1945. Groups 39—81; 40. Reg. No. 4,338.

Pat. 2,400,221. KEY CASE. Patented May 14, 1946. Groups 39—81; 40. Reg. No. 4,339.

These five patents relate to a key holder and its component parts. Basically, the patents provide a case or a pair of rectangular covers between which is placed a latch and a U-shaped spring which straddles a side opening. Knobs formed on the legs of the spring enter the eyelet of the key inserted in the opening. The key is thus retained in a pivoted position so that it may be ejected by pressing on opposite edges of the cover. The holder described in Patents Nos. 1,981,984, 2,029,696, and 2,051,935 will accommodate four keys, the spring and latch being formed of resilient metal. The spring and case described in Patents Nos. 2,376,026 and 2,400,221, on the other hand, is formed entirely of plastic and will accommodate two keys. (Owner) Synthetic Leather Laboratories, 27–26 Jackson Ave., Long Island City 1, N. Y.

Pat. 2,086,917. SHOE REFITTING MACHINE. Patented July 13, 1937. By means of this apparatus any part of a shoe may be stretched or shrunken and wrinkles in either the leather or lining ironed out to insure fit and comfort. The device has a goose-neck-shaped iron which is rigidly mounted to a base or stand. A second iron is swingably mounted on the same stand and shaped to fit the first iron so that the upper of a shoe may be pressed between the two irons. The two irons may also be manipulated separately, the second iron being detachable so that it may, for example, be used as a hand ironer. The irons are electrically heated. Containers of liquid are held on the base for the shrinking process. Intended for repair shops which perform refitting while the customer waits. (Owner) Synthetic Leather Laboratories, 27-26 Jackson Ave., Long Island City 1, N. Y. Group 35—59. Reg. No. 4,340.

Pat. 2,401,038. COMBINED PACKAGE AND SERVING CONTAINER. Patented May 28, 1946. A package for cereal or similar food which may also be used as a serving container to which milk or other liquid may be added. Cover may be used as a saucer for bowl. Body portion is made of paper coated with wax or the like and then filled with a dry cereal or other food. The uncoated cover is then applied and container immersed in wax or the like to seal and preserve contents. Ideal for restaurants or for picnicking. May be nested together for storage or shipment. (Owners) Warren H. Barton and Howard M. Snell. Address correspondence to Clark & Ott, 11 W. 42nd St., New York 18, N. Y. Group 26—99. Reg. No. 4,341.

Pat. 2,405,764. SECTIONAL THERMOS FOOD CONTAINER. Patented Aug. 13, 1946. A food container provided with a number of independent compartments each equipped with heat conditioning or insulating structural features. Maintains both liquid and solid foods in a heated or cold condition. Ideal for carrying a complete hot or cold lunch for one or more people. (Owner) Edgar C. Smith. Address correspondence to David Manly Heller, 134 S. La Salle St., Chicago, Ill. Group 33—59. Reg. No. 4,342.

Pat. 2,382,266. GAUGE FOR PIPE BENDING MACHINE. Patented Aug. 14, 1945. A U-shaped bar having an opening at one end and a graduated scale at the other. An indicator attached to the frame of the pipe-bending machine is positioned over the face of the gauge so that readings showing the angle of bend being given to the pipe may be obtained. May be attached to any standard pipe-bending machine. (Owner) George N. Simonsen, 2038 N. Karlov Ave., Chicago 39, Ill. Group 35—43. Reg. No. 4,343.

Pat. 2,405,797. SOAPSTONE HOLDER. Patented Aug. 13, 1946. An easily manipulated elongated device for frictionally holding and progressively extending a stick of soapstone. Soapstone is moved inwardly and outwardly by pushing knob in slot in body which acts against a leaf spring. A flange adjacent slot turns inwardly and holds soapstone in position. Prevents breakage of stick and enables all of stick to be used. (Owner) Alvin A. Plut, Rural Route #2, Ponca City, Okla. Group 33—59. Reg. No. 4,344.

Pat. 2,402,322. ANTITIPPING DEVICE FOR INFANT'S VEHICLES. Patented June 18, 1946. An attachment for baby carriages to prevent backward tipping. A horizontal frame has spaced side rails, the forward end being connected by a cross bar and the rear end by an axle which supports two small wheels. The rails are detachably connected to carriage frame by U-clips and clamping bolts. The small wheels do not touch the ground when carriage is being pushed or pulled, but with a slight backward tipping of carriage wheels touch the ground and prevent tipping. (Owner) A. J. Flynn, Jr. Address correspondence to Harry C. Schroeder, Central Bank Bldg., Oakland, Calif. Group 39—43. Reg. No. 4,345.

Des. 140,626. DESIGN FOR A FLAG DISPLAY STAND OR SIMILAR ARTICLE. Patented Mar. 20, 1945. (Owner) Andrew J. Olay. Address correspondence to Louis D. McGregor, 1003 Mott Foundation Building, Flint, Mich. Groups 25—41; 39—93. Reg. No. 4,346.

Pat. 2,306,927. VOLTAIC CELL. Patented Dec. 29, 1942. An improved type of voltaic cell containing an organic depolarizer selected from the group consisting of substitution derivatives of monochloramine and dichloramine. Examples of such depolarizers are: para toluene sulfonyl dichloramide, N-chlorphthalimide, N-hexachlortriethylene tetramine. The cell has an open circuit voltage of about two volts, and the ampere-hour capacity is considerably higher than that of earlier types. (Owner) William C. Arsem, 5520 Glenwood Road, Bethesda 14, Md. Group 36—12. Reg. No. 4,347.

Pat. 2,354,070. AUTOMOBILE THEFT PREVENTING DEVICE. Patented July 18, 1944. A disk-shaped device for mounting on inside of windshield of automobile to prevent theft of vehicle. A casing houses a pair of illuminated signals and a movable holder having a pair of plates carrying indicia to designate whether vehicle is legally operated. Position of holder is operated by a key. On leaving car operator turns key which moves holder and illuminates signal to indicate owner or his agent is not operating vehicle. (Owner) Frances A. Skelly, 2109 North Ave., Bridgeport, Conn. Group 33—59. Reg. No. 4,348.

Pat. 2,363,725. CHANGEABLE EXHIBITOR. Patented Nov. 28, 1944. A changeable advertising sign consisting of a driven endless display web provided with vertically positioned rods. A drive arm, carrying a figure, is engageable with the rods on the web. The figure has swingable legs which strike against trip members so that a walking motion is effected. (Owner) Herbert A. Graham, Goderich, Ontario, Canada. Group 39—93. Reg. No. 4,349.

Pat. 2,197,989. GRAVE DIGGER AND EXCAVATOR. Patented Apr. 23, 1940. The purpose of this machine is to eliminate manual labor in the digging of graves and also to obtain neater and more uniform results under any prevailing condition. The digger consists of a housing pivoted from a beam carried by a relatively stationary support having a rotary element. A vertical auger is mounted within the housing. Cutters with inwardly turned teeth on the lower end of the housing are arranged to enter the ground with the auger to effect excavation. Earth is conveyed upwardly by the rotating auger so that it may be discharged into a chute. The apparatus is intended to be pinioned to the axle of a tractor. (Co-owner) Edith T. Hammalian, 6409 Broadway, Woodside, Long Island, N. Y. Group 35—31. Reg. No. 4,350.

Pat. 2,157,839. FOOD PREPARATION AND METHOD FOR MAKING THE SAME. Patented May 9, 1939. This patent is directed to a food preparation (such as tomato aspic, etc.) comprising a number of individually flavored gelatin particles. Each particle is coated with a substantially unflavored gelatin which exerts a protective effect against deterioration by evaporation or oxidation of the flavored core. The patent contains process and product claims. (Owner) Amy Wertheimer, Silvermine, Comstock Hill Road, Norwalk, Conn. Group 20—99. Reg. No. 4,351.

Pat. 2,276,378. FLASHER SWITCH. Patented Mar. 17, 1942. A flasher switch adapted for connection to the stop light of a motor vehicle. The device is constructed and arranged so that it may be operated by the accelerator prior to the application of the brake. (Owner) Leo E. Duguay, 172 King St., Truro, Nova Scotia, Canada. Group 38—31. Reg. No. 4,352.

Pat. 2,249,402. STABILIZING DEVICE. Patented July 15, 1941. The stabilizing system consists of a hydraulic unit associated with each wheel of a vehicle, a pair of shock absorbers and a fluid connection between the units and the absorbers in which a movable valve is positioned. The shock of one wheel striking an obstruction is simultaneously transmitted to the other wheels so that a slight rise of the entire vehicle is effected rather than an abrupt rise of that portion affected. Provision is also made whereby normal sideway of the car, as when turning a corner, does not affect the system. (Owner) Nicholas M. Stefano, 347 Lansdowne Ave., Lansdowne, Pa. Group 38—31. Reg. No. 4,353.

Pat. 2,086,254. TRIMMING APPARATUS. Patented July 6, 1937. This device is particularly adapted for use in removing the tread of a rubber tire prior to retreading by vulcanization. The apparatus consists mainly of two parts (a cutter head and a work supporting unit) which are attached to machines included in common shop equipment (i. e. drill). The tire is mounted on rollers and a trunnion is moved to place the tire in an oblique position. The blade is then brought into cutting relation with the tread and the tire advanced over the rollers until the tread has been removed to a desired depth around one side of the tire. The trunnion is then moved to place the tire in a more upright position so that the center of the tire may be similarly trimmed. The tire then may be reversed or shifted in position to trim the remaining side. (Owner) Edwin D. Browning, P. O. Box 112, Alameda, Calif. Groups 30—92; 35—43. Reg. No. 4,354.

Pat. 2,403,633. LAYOUT MACHINE. Patented July 9, 1946. This compact lay-out machine has two functions. It may be used to make patterns from work-pieces, or when used with the necessary tools (such as cutters, drills, burners, etc.) for producing parts or tools directly. The same machine is equally suitable, when used in connection with a drawing board, to make plans, working drawings, or designs. The device has a pair of caliper strips slidably mounted in a frame secured to a turntable. A gear (carried by a pin journalled to the caliper frame) is in meshing engagement with a rack fixed on each of the caliper strips. A measuring disk (on the pin) automatically measures the linear distances in both directions as each of the caliper strips is moved. The base supporting the machine may be detachably fastened to the work-piece, drawing board, etc. (Owner) Edwin D. Browning, P. O. Box 112, Alameda, Calif. Group 35—43. Reg. No. 4,355.

Re. 22,198. METHOD AND ARRANGEMENT FOR TRANSFERRING TELEPHONE CONVERSATIONS TO OTHER ELECTRICAL DEVICES. Patented Oct. 6, 1942. By means of an inductive coupling, use is made of the dispersed electrical field which occurs outside the usual telephone receiver. Conversations may be transferred to other receivers or amplifiers for reproduction or recording. Two coils, connected in series, are mounted on a U-shaped iron core and placed in the cavity of a rubber holder or cap fitted to the earpiece of a telephone receiver. The coils in the holder are so positioned that their axis coincide with the axis of the coils of the telephone receiver. Since the device has no conducting junction no disturbance or reaction may occur in the telephone circuit. (Owner) Bernhard Loewe. Address correspondence to George Benjamin, 521 Fifth Ave., New York 17, N. Y. Group 36—61—62. Reg. No. 4,356.

Pat. 2,405,789. MULTIFILAMENT LAMP. Patented Aug. 13, 1946. The life of the usual light bulb or heat lamp may be considerably extended by the provision of several reserve filaments which are automatically moved into position to replace the burned-out filament. These filaments are mounted on a rotatable carrier controlled by a spring held under tension by a fusible link. Each of the links is provided with heating coils which, in the event of any disruption, melt the link so that the spring moves the new filament into place. (Owner) John H. Homrighous, 1029 Wenonah Ave., Oak Park, Ill. Groups 32—29; 36—99. Reg. No. 4,357.

Pat. 2,402,876. COMBINED PLAYPEN AND PLAYHOUSE. Patented June 25, 1946. This combined playhouse-playpen is of slatted, knockdown structure consisting of front and rear sections of log cabin appearance, and side sections, a portion of which defines a "yard". The whole structure may be contracted to form a playhouse only. The rafters of the structure may be covered with cloth or slabs, but may, if preferred, be left uncovered. The structure requires no special skill to erect. Slabs, usually considered a waste material, are utilized. (Owner) Samuel L. Dennis, 2516 Beechridge Road, Raleigh, N. C. Group 39—41. Reg. No. 4,358.

Pat. 2,397,795. GAUGE. Patented Apr. 2, 1946. A tool setting gauge for attachment to an engine lathe for turning outside diameters on cylindrical duplication work. An elongated arm with a graduated scale is attached to a swing head pivotally mounted on top of adjusting block connected at forward edge of attaching plate which engages inner end of tailstock of engine lathe. May be manufactured as part of a lathe or as an attachment. (Owner) Emil W. Lersch, 106 W. Wright St., Pensacola, Fla. Group 35—43. Reg. No. 4,359.

Pat. 2,244,921. GAME. Patented June 10, 1941. A circular game board comprised of a series of bands of different colors each provided with openings of a different shape to receive men of the same shape. May be a game of skill by jumping men from place to place and transferring certain men from bands of their proper colors or shapes to bands of some other colors and shapes, or may be played without skill by just matching shapes and colors. (Owner) Dan Roth, 4 Robin Road, Bryn Mawr Knolls, Yonkers 2, N. Y. Group 39—41. Reg. No. 4,360.

Pat. 2,230,814. TOY OR AMUSEMENT DEVICE. Patented Feb. 4, 1941. Amusement device consists of a toy figure with a comic head. Head has open mouth and movable tongue. A ball or object is tossed at the figure by competing players. When an object strikes the tongue, a ball or marble is released which slides down a transparent tube. The tube may simulate a gullet and hold any desired number of balls. An open end is provided so that the balls may be retrieved for reuse. (Owner) Dan Roth, 4 Robin Road, Bryn Mawr Knolls, Yonkers 2, N. Y. Group 39—41. Reg. No. 4,361.

Correction

Pat. 2,398,178. AIR MOTOR. Patented Apr. 9, 1946. Single cylinder air motor, free from complicated structure, provides automatic operation with intermittent power control for actuating a conventional ratchet gear attached to the cross-feed screw of a pipe cutting and threading machine or the like. A pawl is attached to the free end of a push rod which is rigidly connected to the piston. The cylinder is swivelly mounted to permit rocking movement for holding the pawl against the ratchet gear. When motor is stopped pawl automatically disengages. (Owner) Warren F. Ellison, 523 Milford St., Glendale 3, Calif. Group 35—69. Reg. No. 4,106.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 3, 1946

[VOL. 593. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 498,134. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Mar. 13, 1946.

PROSOY

Applicant is the owner of Reg. No. 366,929.

FOR MECHANICALLY REFINED VEGETABLE PROTEIN MATERIALS FOR USE IN MAKING ADHESIVES, PLASTICS, PAINTS, INSECTICIDES, SIZINGS AND COATINGS FOR PAPER, TEXTILES AND SIMILAR FABRICS.

Claims use since Jan. 10, 1939.

Ser No. 500,705. J. N. SHARMA, Los Angeles, Calif. Filed Apr. 22, 1946.

"Thr-ice"

No claim is made to the word "Ice" apart from the mark.

FOR CHEMICALLY PREPARED ICE FOR REFRIGERATION IN CONNECTION WITH FOODS.

Claims use since Apr. 13, 1946.

CLASS 2

RECEPTACLES

Ser. No. 510,428. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Oct. 8, 1946.

KIKI

FOR UNFILLED COMPACTS, UNFILLED VANITY CASES, AND UNFILLED LIPSTICK HOLDERS MADE OF BASE METALS, LEATHER, AND PLASTIC MATERIALS.

Claims use since November 1931.

Ser. No. 510,664. EMPIRE BOX CORPORATION, Garfield, N. J. Filed Oct. 11, 1946.

ARCTICPAK

FOR CARTONS FOR PACKING FROZEN FOODS.

Claims use since Sept. 16, 1946.

Ser. No. 510,665. EMPIRE BOX CORPORATION, Garfield, N. J. Filed Oct. 11, 1946.

SNOPAK

FOR CARTONS FOR PACKING FROZEN FOODS.

Claims use since Sept. 16, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 501,385. HARTMANN COMPANY, Racine, Wis. Filed May 3, 1946.

MAYFAIR

FOR SUITCASES, HAND LUGGAGE CASES EQUIPPED WITH GARMENT CARRYING FIXTURES, HAT BOXES, AND OVERNIGHT CASES.

Claims use since Apr. 25, 1946.

Ser. No. 501,911. JAY-DEE LEATHER PRODUCTS COMPANY, Redwood City, Calif. Filed May 11, 1946.



FOR POCKETBOOKS, WALLETS, BILLFOLDS, PORTFOLIOS, KEYHOLDERS, LADIES' HAND-BAGS, AND TRAVEL BAGS, MADE WHOLLY OR PARTLY OF LEATHER.
Claims use since Apr. 11, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 480,787. JOHN B. STRIBLING & SON, LTD., doing business as Ranchway Remedies Company, Rotan, Tex. Filed Mar. 10, 1945.

Ranch Way

The mark consists of the word "Ranch Way."
FOR VETERINARIAN SUPPLIES—NAMELY, PINK EYE POWDER, SULFA POWDER, CALF TONIC, CATTLE GRUB KILLER, LICE OIL SPRAY, AND EAR TICK KILLER.
Claims use since June 1, 1944.

Ser. No. 482,820. LYMAN B. WARREN, JR., doing business as the Aloyl Company, St. Paul, Minn. Filed Apr. 30, 1945.

ALOYL

FOR CHEMICAL PREPARATIONS COMPRISING DEGREASING FLUID FOR DISSOLVING AND LOOSENING GREASE, ANIMAL FLY SPRAY, ENGINE SLUDGE SOLVENT, GUM AND CARBON BINDER SOLVENT, CARBURETOR GUM AND DEPOSIT SOLVENT, AND AUTOMOBILE RADIATOR CLEANING FLUID.
Claims use since Jan. 1, 1937.

Ser. No. 483,236. RANSOM W. SAULSBERRY, doing business as Ethiopian Laboratory, Los Angeles, Calif. Filed May 11, 1945.



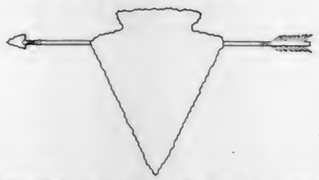
FOR OINTMENT FOR THE TREATMENT OF DANDRUFF OF SCALP AND OTHER SIMILAR SCALP DISEASES.
Claims use since March 1945.

Ser. No. 483,663. SUSAN DOROTHY RAJCOK, doing business as Fluoricite, Danbury, Conn. Filed May 22, 1945.

FLUORICITE

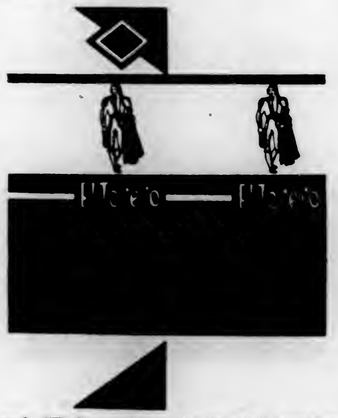
FOR TOOTH PASTE, TOOTH POWDER, AND MOUTH WASH.
Claims use since Apr. 17, 1945.

Ser. No. 485,809. ARROW ENGINEERING & CHEMICAL CO., INC., Flint, Mich. Filed July 14, 1945.



FOR ALL PURPOSE INSECT SPRAY, MOUSE POISON, VOLATILE INSECTICIDE, AND ROACH POWDER.
Claims use since July 5, 1945.

Ser. No. 486,949. HIJOS DE S. DE ORIVE, Longrono, Spain. Filed Aug. 9, 1945.



The words "El Torero" are the Spanish words meaning bull fighter.
FOR TOOTH PASTE.
Claims use since September 1937.

Ser. No. 487,854. THE NATIONAL MINERAL COMPANY, Chicago, Ill., now by change of name to National Industries, Inc. Filed Aug. 31, 1945.

ELOQUENT RED

Applicant disclaims the word "Red" apart from the mark.
FOR LIPSTICKS.
Claims use since Aug. 9, 1945.

Ser. No. 487,858. THE NATIONAL MINERAL COMPANY, Chicago, Ill., now by change of name to National Industries, Inc. Filed Aug. 31, 1945.

ROSE HEART RED

Applicant disclaims the terms "Rose" and "Red" apart from the mark.
FOR LIPSTICKS.
Claims use since Aug. 9, 1945.

Ser. No. 492,259. DANSK CHEMO-THERAPEUTISK SELSKAB A/S, Copenhagen, Denmark. Filed Nov. 27, 1945.

SANOCRYSIN

FOR MEDICINE FOR PHTHISIS.
Claims use since Mar. 16, 1924.

Ser. No. 493,587. CARMELO BENTIVEGNA, New York, N. Y. Filed Dec. 20, 1945.

X-1

FOR OINTMENT FOR TREATING PILES.
Claims use since June 7, 1945.

Ser. No. 493,689. MADAMOISELLE CO., Philadelphia, Pa. Filed Dec. 21, 1945.

Madamoiselle

FRAGRANT PETALS

No claim is made to the word "Fragrant" except in the association shown.
FOR DEODORANT PADS.
Claims use since Nov. 23, 1945.

Ser. No. 494,692. NANCY JEANNE MARKS, Chicago, Ill. Filed Jan. 12, 1946.

EVOL

FOR TOILET ARTICLES—NAMELY, HAIR DRESSINGS, PERFUMES, AND COLOGNES.
Claims use since Jan. 3, 1946.

Ser. No. 495,559. STUART-CHASE CO., North Bergen, N. J. Filed Jan. 28, 1946.

DISTREX

FOR ANALGESIC CAPSULES, CORN REMOVER IN THE NATURE OF A VOLATILE MIXTURE WHICH WHEN APPLIED TO A CORNEOUS LAYER TO SKIN LEAVES ON EVAPORATION A THIN LAYER OF SALICYLIC ACID AND ZINC CHLORIDE, WHICH EXERTS A SOFTENING AND PEELING ACTION UPON THE CORNEOUS LAYER RENDERING SAME EASILY REMOVABLE WITH THE FINGERS, NOSE DROPS, BISMUTH COMPOUND FOR STOMACH DISORDERS, COUGH SYRUP, NASAL INHALER IN THE NATURE OF A CLOTH COVERED GLASS AMPOULE CONTAINING A MIXTURE OF VOLATILE SUBSTANCES WHICH WHEN CRUSHED AND INHALED RELEASES THE VAPORS THEREFROM, RELIEVING CONGESTION AND IRRITATION OF THE NASAL MUCOSA, ANALGESIC TABLETS, EYE DROPS, EAR DROPS, LIP POMADE, LIP LOTION, DENTAL POULTICE IN THE NATURE OF A MIXTURE OF MEDICINAL SUBSTANCES ENCLOSED IN A LOOSELY WOVEN BAG WHICH WHEN MOISTENED WITH WARM WATER AND APPLIED LOCALLY TO THE GUMS, EXERTS A DEMULCENT, ANTIPHLOGISTIC AND ANESTHETIC ACTION TO THE AFFECTED AREA, MUSTARD OINTMENT, ANTACID TABLETS; SKIN LOTION FOR RELIEF OF ECZEMA, POISON IVY OR OAK, ATHLETE'S FOOT, AND INSECT BITES; TOOTHACHE DROPS, WART REMOVER IN THE NATURE OF A VOLATILE MIXTURE WHICH WHEN APPLIED TO A CORNEOUS LAYER OF THE SKIN LEAVES ON EVAPORATION A THIN LAYER OF RICINIC ACID AND OIL OF CASTOR, WHICH EXERTS A SOFTENING AND PEELING ACTION UPON THE CORNEOUS LAYER RENDERING SAME EASILY REMOVABLE WITH THE FINGERS, TEETHING LOTION, FOOT LOTION, AND VERMICIDE.
Claims use since June 26, 1944.

Ser. No. 495,586. "COFFETTE" PRODUCTS, INC., Brooklyn, N. Y. Filed Jan. 29, 1946.

CC-101

FOR PREPARATIONS FOR THE TREATMENT OF TEXTILE FIBERS AND FABRICS AND HAVING LEVELING, SOFTENING, PENETRATING, DEODORIZING, BLEACHING, OR DETERGENT PROPERTIES.
Claims use since Oct. 2, 1944.

Ser. No. 496,012. CHANEL, INC., New York, N. Y. Filed Feb. 5, 1946.

CYNIQUE

FOR PERFUME, EAU DE COLOGNE, TOILET WATER AND TALCUM POWDER.
Claims use since Jan. 18, 1946.

Ser. No. 496,490. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 12, 1946.

KANDAR

FOR AQUEOUS EMULSIONS OF THERMOPLASTIC RESINS FOR USE IN TREATING TEXTILE FABRICS TO IMPART A DURABLE FINISH.
Claims use since Jan. 25, 1946.

Ser. No. 497,183. KENDALL REFINING COMPANY, Bradford, Pa. Filed Feb. 25, 1946.

KENSOL

FOR LIQUID PETROLEUM HYDROCARBON SOLVENTS OF THE BOILING RANGE UP TO AND INCLUDING THAT OF THE GAS-OIL BOILING RANGE AND HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Dec. 31, 1945.

Ser. No. 497,273. F. ANNE SMITH, doing business as Suntime Products, New York, N. Y. Filed Feb. 26, 1946.

Suntime

FOR FACIAL MASK POWDER, FACIAL CREAM, FACE LOTION, FACIAL OIL, AFTER SHAVE LOTION, HAIR OIL, BATH OIL, HAND LOTION, FOOT LOTION, FOOT BATH POWDER, FOOT MASSAGE OIL, BODY MASSAGE OIL, SKIN CLEANSING OIL, SKIN FRESHENER, AND EYE LOTION.
Claims use since Oct. 30, 1945.

Ser. No. 497,429. WALLACE & TIERNAN PRODUCTS INCORPORATED, Belleville, N. J. Filed Feb. 28, 1946.

SOTRADECOL

FOR COMPOSITION FOR TREATMENT OF VARICOSE VEINS.
Claims use since Jan. 23, 1946.

Ser. No. 498,015. WILLIAM J. MCNULTY, doing business under the name Elbon Lab., Montclair, N. J. Filed Mar. 11, 1946.

NIAAM

FOR PREPARATION FOR RELIEF OF ATHLETE'S FOOT.
Claims use since June 1939.

Ser. No. 498,028. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 11, 1946.

PROMANIDA

FOR CHEMOTHERAPEUTIC AGENT FOR USE IN TREATMENT OF ACID-FAST BACTERIAL INFECTIONS.
Claims use since Feb. 18, 1946.

Ser. No. 498,403. ARTHUR N. DAVIS, doing business as Ard Products Co., Chicago, Ill. Filed Mar. 18, 1946.

Phonecide

FOR GERMICIDAL PREPARATION FOR DISINFECTING AND DEODORIZING MOUTH PIECES OF TRANSMITTERS—NAMELY, DICTAPHONES, MICROPHONES, TELEPHONES, AND ALL EQUIPMENT WHICH HAS A MOUTHPIECE.
Claims use since Mar. 5, 1946.

Ser. No. 499,715. ROBERT LEE LANG, doing business as Lang Brothers, Paducah, Ky. Filed Apr. 5, 1946.

PRO~EZE

No claim is made to the term "Eze" apart from the mark.
FOR TABLETS FOR USE IN THE RELIEF OF SIMPLE NEURALGIA AND HEADACHE.
Claims use since Feb. 1, 1944.

Ser. No. 500,392. THE HUBINGER COMPANY, Keokuk, Iowa. Filed Apr. 17, 1946.

TIGER



FOR LAUNDRY STARCH.
Claims use since Apr. 15, 1903.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 494,762. THE L. C. SMITH GUN COMPANY, INCORPORATED, Fulton, N. Y. Filed Jan. 14, 1946. Under 10-year proviso.

HUNTER

FOR GUNS AND PARTS THEREOF.
Claims use since 1893.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 495,953. WILMOT C. CHALBERG, doing business as W. C. Chalberg Company, Grand Rapids, Minn. Filed Feb. 4, 1946.

SPEEDWAY PREFABS

No claim is made to the word "Prefabs" apart from the mark.
FOR PREFABRICATED BUILDINGS OF WOOD—NAMELY, HOUSES, CABINS, GARAGES, GREENHOUSES, FARM BUILDINGS, OUTDOOR TOILETS, SCREENED LAWN HOUSES, AND CHILDREN'S PLAYHOUSES.
Claims use since Nov. 27, 1945.

Ser. No. 500,270. THE ALUMINUM WINDOW CORPORATION, Long Island City, N. Y. Filed Apr. 16, 1946.

ALWINTITE

FOR ALUMINUM WINDOWS AND WINDOW FRAMES.
Claims use since Mar. 6, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 495,335. ROYAL PETROLEUM CORPORATION, New York, N. Y. Filed Jan. 24, 1946.

ALL THAT THE NAME IMPLIES
Royalene

Applicant is the owner of Reg. Nos. 332,915 and 363,886.
FOR GASOLINE.
Claims use since Nov. 10, 1945.

Ser. No. 495,336. ROYAL PETROLEUM CORPORATION, New York, N. Y. Filed Jan. 24, 1946.

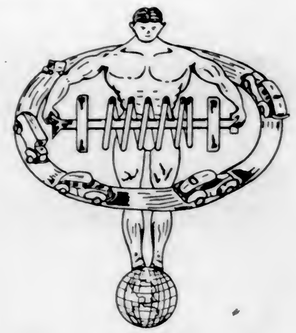
ALL THAT THE NAME IMPLIES
Royalheat

Applicant is the owner of Reg. Nos. 332,915 and 363,886.
FOR FUEL OIL FOR DOMESTIC AND INDUSTRIAL USE, AND BUNKER OIL.
Claims use since Sept. 28, 1945.

CLASS 19

VEHICLES

Ser. No. 496,778. GIBSON PRODUCTS COMPANY, Cleveland, Ohio. Filed Feb. 18, 1946.



The representation of the goods is disclaimed apart from the mark. The picture of the man is fanciful.

FOR AUTOMOTIVE BRAKE SHOE HOLD DOWN PARTS.

Claims use since Feb. 2, 1946.

Ser. No. 497,197. PRECO INCORPORATED, Los Angeles, Calif. Filed Feb. 25, 1946.



The drawing is lined for black and yellow. However, color is not considered an essential feature of the mark.

FOR CONVERTIBLE ICE BUNKERS FOR REFRIGERATOR CARS (NAMELY, ICE BUNKERS EQUIPPED WITH BUNKER DEFINING BULKHEADS WHICH MAY BE MOVED TO INCORPORATE THE SPACE NORMALLY USED FOR ICE INTO THE LOAD-CARRYING SPACE OF THE CAR).

Claims use since Jan. 2, 1946.

Ser. No. 498,162. CHARLES L. MORSE, doing business as Cygnet Seacraft, Milford, Conn. Filed Mar. 13, 1946.



FOR ROWBOATS, SAIL BOATS, AND MOTOR BOATS.

Claims use since Feb. 19, 1946.

Ser. No. 499,958. SAMUEL MOORE & COMPANY, Kent, Ohio. Filed Apr. 10, 1946.

RUB-BUB

FOR STANCHIONS, SEAT GRAB RAILS, ARM RESTS, AND STANCHION FITTINGS FOR PUBLIC CONVEYANCES.

Claims use since Jan. 25, 1945.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 497,919. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed Mar. 9, 1946.

CONGOFLOR

FOR LINOLEUM AND ENAMEL SURFACED FELT BASE COVERINGS OR THE LIKE.

Claims use since Feb. 26, 1946.

Ser. No. 497,920. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed Mar. 9, 1946.

CONGOTREAD

FOR LINOLEUM AND ENAMELED SURFACED FELT BASE FLOOR COVERINGS OR THE LIKE.

Claims use since Feb. 26, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 476,530. SPRAGUE PRODUCTS COMPANY, North Adams, Mass. Filed Nov. 16, 1944.

MEG-O-MAX

Applicant claims ownership of U. S. trade-mark registration certificate #222,277, issued Dec. 28, 1926.

FOR ELECTRIC RESISTORS.

Claims use since Sept. 1, 1943.

Ser. No. 489,423. TELEX, INC., Minneapolis, Minn. Filed Oct. 4, 1945.

TELETRON

FOR ELECTRONIC ACOUSTIC SPEAKERS WITH SOFT AMPLIFICATION ADAPTED FOR CONNECTION WITH A RADIO OR WITH THE USUAL LOUDSPEAKER COMPRISED IN A RADIO RECEIVING SET.

Claims use since June 21, 1945.

Ser. No. 491,298. THE EDWARD B. WINDSOR COMPANY, Milwaukee, Wis. Filed Nov. 8, 1945.

EXEC-ARM

The word "Arm" is disclaimed apart from the mark.

FOR EXTENSION BRACKET FOR SUPPORTING THE HANDSET OF A TELEPHONE INSTRUMENT.

Claims use since May 24, 1945.

Ser. No. 492,985. ADVANCE TRANSFORMER CO., Chicago, Ill. Filed Dec. 10, 1945.

ADVANCE

FOR FLUORESCENT LAMP TRANSFORMERS AND FLUORESCENT LAMP BALLASTS.

Claims use since Apr. 30, 1943.

Ser. No. 495,083. MICHAELS BROS., New York, N. Y. Filed Jan. 19, 1946.

MAYFAIR

FOR RADIO RECEIVING SETS AND/OR RADIO TRANSMITTING SETS.

Claims use since Jan. 17, 1946.

Ser. No. 498,626. GOOD HOUSE STORES, INC., Philadelphia, Pa. Filed Mar. 20, 1946.



No claim is made to the words "Good House Stores Inc" apart from the mark.

FOR RADIO RECEIVING SETS AND/OR RADIO TRANSMITTING SETS.

Claims use since Jan. 10, 1945.

Ser. No. 499,664. SOL PINSKY, doing business under the firm name of Sherold Specialty Products, New York, N. Y. Filed Apr. 4, 1946.

"Radiozone"

FOR COMBINATION RADIO RECEIVING SET AND ELECTRICAL APPARATUS FOR THE PRODUCTION OF OZONE.

Claims use since Jan. 5, 1946.

Ser. No. 500,608. W. G. DRENTHE, Chicago, Ill. Filed Apr. 20, 1946.

TUNETTE

FOR COIN CONTROLLED, ELECTRICALLY OPERATED DEVICES PROVIDING MUSIC FROM AN ELECTRIC REMOTE COIN CONTROL FOR ELECTRIC PHONOGRAPHS.

Claims use since Mar. 1, 1945.

Ser. No. 500,822. RADIO CONDENSER COMPANY, Camden, N. J. Filed Apr. 24, 1946.

ROTONOID

FOR ELECTRICAL ELECTRO-MAGNETS HAVING A CIRCULAR-SHAPED ARMATURE HAVING A LARGE ANGULAR MOVEMENT.

Claims use since Apr. 11, 1946.

Ser. No. 505,924. THE ROLA COMPANY, INC., Cleveland, Ohio. Filed July 19, 1946.

ROLA

FOR ELECTRICAL LOUD SPEAKERS, MICROPHONES, RADIO RECEIVING SETS AND PARTS THEREOF, LOUD SPEAKER DIAPHRAGMS, TRANSFORMERS, LOUD SPEAKER PARTS CONSISTING OF SHELLS, VOICE COILS, HOUSINGS, PLATES, CORES, FIELD COILS, TRANSFORMER COILS, AND AMPLIFIERS.

Claims use on electrical loud speakers, microphones, since about June 15, 1923; on radio sets and parts thereof, since about September 1929; on loud speaker diaphragms since about January 1926; on transformers since about March 1928; on loud speaker parts, such as shells, voice coils, housings, plates, cores, field coils, and transformer coils, since about March 1928; and on amplifiers since about September 1929.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 492,949. ADOLPH PELKA, doing business as Pelco Mfg. Co., Los Angeles, Calif. Filed Dec. 8, 1945.



The drawing is lined for the colors red and gold. The words "Ski" and "Mfg. Co., Los Angeles, Cal.," and the representation of a pair of skis are disclaimed apart from the mark.

FOR SKIS.

Claims use since Nov. 8, 1945.

Ser. No. 495,014. CURRAN ARTWARE MFG. CO., Downers Grove, Ill. Filed Jan. 19, 1946.

LONG TOM

The word "Long" is disclaimed apart from the mark.

FOR TOY CANNONS.

Claims use since Nov. 7, 1945.

Ser. No. 501,832. ROGER DE VRIES, Buenos Aires, Argentina. Filed May 10, 1946.

BAHIANA

FOR DOLLS.

Claims use since Apr. 18, 1946.

Ser. No. 506,180. METRO TOY COMPANY, New York, N. Y. Filed July 24, 1946.

JUNIOR ZOO

FOR TOY ANIMALS HAVING FLEXIBLE JOINTS AND PARTS THEREFOR.

Claims use since July 1, 1946.

Ser. No. 510,631. WILSON SPORTING GOODS CO., Chicago, Ill. Filed Oct. 10, 1946.

JET

FOR GOLF BALLS.

Claims use since July 29, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 480,953. RENA M. JELENKO, doing business as The Jelrus Co., New York, N. Y. Filed Aug. 9, 1945.

"VULCATROL"

FOR HAND OPERATED PRESS FOR USE IN ELECTRIC VULCANIZING OF PRECISION PLASTICS CASTINGS.

Claims use since June 5, 1945.

Ser. No. 494,665. FLYNN AND EMRICH COMPANY, Baltimore, Md. Filed Jan. 12, 1946.

F&E

FOR ELECTRICALLY OPERATED ICE CUBING (CUTTING) MACHINES AND SAND MIXING MACHINES.

Claims use since November 1925.

Ser. No. 495,085. MORTON MACHINE WORKS, Ferndale, Mich. Filed Jan. 19, 1946.

M—T

FOR WORK AND TOOL HOLDING FIXTURES AND CLAMPS FOR USE ON AND IN ASSOCIATION WITH WOOD AND METAL WORKING MACHINES.

Claims use since August 1940.

Ser. No. 495,387. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio. Filed Jan. 25, 1946. Under 10-year proviso as to "Irwin"



No claim is made to the outline of the label apart from the mark.

FOR BITS, AUGERS, AND SCREW DRIVERS.

Claim use since May 28, 1907; and since Jan. 1, 1890, as to the word "Irwin."

Ser. No. 498,350. INFILCO INCORPORATED, Chicago, Ill. Filed Mar. 16, 1946.

GRIDUCTOR

FOR MACHINES FOR USE IN STANDARD SEWAGE DISPOSAL PLANTS FOR GRINDING AND COMMINUTING SEWAGE SOLIDS, AND PARTS THEREOF.

Claims use since May 5, 1939.

Ser. No. 500,412. POTTER & JOHNSTON MACHINE COMPANY, Pawtucket, R. I. Filed Apr. 17, 1946.

UNIMATIC

FOR METAL WORKING MACHINES AND TOOLS THEREFOR—NAMELY, CUTTERS, REAMERS, BORERS AND THE LIKE, AND TOOL HOLDERS THEREFOR.

Claims use since July 24, 1923.

Ser. No. 500,850. WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Apr. 24, 1946.

Thermodrive

FOR THERMOSTATICALLY CONTROLLED, VARIABLE DIAMETER, AND V-PULLEYS.

Claims use since Mar. 15, 1946.

Ser. No. 500,854. DAVID BROWN & SONS (HUDDERSFIELD), LIMITED, Lockwood, Huddersfield, England. Filed Apr. 25, 1946.

DBS

FOR GEARING AND GEAR BOXES.

Claims use since Jan. 1, 1907.

Ser. No. 508,170. R. G. LETOURNEAU, INC., Stockton, Calif., and Peoria, Ill. Filed Aug. 28, 1946.

LETOURNEAU

LET

EQUIPMENT

The words "LeTourneau Equipment" are disclaimed apart from the mark.

FOR EARTH WORKING, CONSTRUCTION, AND INDUSTRIAL EQUIPMENT—NAMELY, SCRAPERS, SHEEP'S FOOT ROLLERS, PUSH GRADERS, BULLDOZING MACHINES, PUSH DOZERS, PORTABLE CRANES, POWER CONTROL UNITS (WINCHES), SUBSURFACE RIPPERS, TREE UPROOTERS, MOBILE HOUSE FORMS, AND TRACTORS; AND COMBINED TRACTOR AND IMPLEMENT UNITS—NAMELY, SELF-PROPELLED SCRAPERS, SELF-PROPELLED PORTABLE CRANES, AND SELF-PROPELLED LOAD HAULING TRUCKS.

Claims use since Nov. 13, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 482,929. HARMAN WATCH COMPANY, New York, N. Y. Filed May 3, 1945.

TIME WILL TELL

The word "Time" is disclaimed apart from the mark.

FOR HOROLOGICAL INSTRUMENTS—NAMELY, WATCHES, CLOCKS, AND PARTS OF SAID INSTRUMENTS.

Claims use since June 15, 1932.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 491,332. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed Nov. 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

AFFILIATED WITH BROTHERHOOD OF ELECTRICAL WORKERS · INTERNATIONAL · ORGANIZED NOV. 28, 1891 AMERICAN FEDERATION OF LABOR

Applicant is the owner of Reg. No. 190,689. No claim is made to the words "Affiliated With" and "American" apart from the mark.

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT (NOT INCLUDING WATCHES)—NAMELY, TIE CLASPS, LAPEL BUTTONS, BADGES, PINS, AND FINGER RINGS.

Claims use since June 11, 1900.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 501,277. HELENE PESSL, INC., New York, N. Y. Filed May 1, 1946.

Young Lad

FOR TOOTH BRUSHES.

Claims use since Dec. 12, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 507,184. FRASER & JOHNSTON CO., San Francisco, Calif. Filed Aug. 10, 1946.

MARKETEER

FOR REFRIGERATORS AND REFRIGERATED DISPLAY CASES.

Claims use since Apr. 19, 1946.

Ser. No. 507,185. FRASER & JOHNSTON CO., San Francisco, Calif. Filed Aug. 10, 1946.

Merchandizer

FOR REFRIGERATORS AND REFRIGERATED DISPLAY CASES.

Claims use since Apr. 19, 1946.

Ser. No. 509,439. NATIONAL FILTER CORPORATION, New York, N. Y. Filed Sept. 20, 1946.

COLUMBIT

Applicant is the owner of Reg. No. 404,286.

FOR FILTERING MATERIAL MADE OF VEGETABLE AND OTHER CELLULOSE FIBERS INCLUDING COTTON AND ASBESTOS, EMPLOYED AS A FILTERING PRODUCT EITHER ALONE OR IN FORM OF A MIXTURE OF THESE FIBERS IN THE BREWING, WINE PRODUCING AND SIMILAR BEVERAGE INDUSTRIES.

Claims use since Aug. 30, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 492,230. SPIEGEL, INC., Chicago, Ill. Filed Nov. 26, 1945.

Helpmate

FOR STEEL KITCHEN CABINETS.

Claims use since 1938.

Ser. No. 508,535. LINCOLN TEXTILE PRODUCTS CO., INC., Boston, Mass. Filed Sept. 5, 1946.

LINCOLN  LINE

The portrait is that of the American statesman Abraham Lincoln. No claim is made to the word "Line" apart from the mark.

FOR SLIPCOVERS FOR FURNITURE.

Claims use since January 1946.

Ser. No. 508,691. A & C BETTER BEDDING CO., Chicago, Ill. Filed Sept. 9, 1946.

Slumbersoft

FOR MATTRESSES, STUDIO COUCHES, AND BOX SPRINGS.

Claims use since Aug. 8, 1946.

Ser. No. 508,693. A & C BETTER BEDDING CO., Chicago, Ill. Filed Sept. 9, 1946.

Luxurest

FOR MATTRESSES, SOFA BEDS, AND OVERSTUFFED LOUNGE CHAIRS.

Claims use since Aug. 8, 1946.

Ser. No. 509,290. KIMBER-MURPHY MANUFACTURING COMPANY, Little Rock, Ark. Filed Sept. 18, 1946.

K-M

FOR VENETIAN BLINDS.

Claims use since Aug. 20, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 465,587. WILLIAM B. THREM, doing business as Airite Mfg. Co., Toledo, Ohio. Filed Dec. 6, 1943.

AIRITE

FOR PORTABLE ELECTRICALLY OPERATED ROOM UNIT APPARATUS FOR CLEANING, DEODORIZING, AND CONTROLLING THE HUMIDITY OF AIR IN CHAMBERS AND ROOMS, AND PARTS OF SAID APPARATUS.

Claims use since Aug. 11, 1932.

Ser. No. 500,723. AMERICAN CRUCIBLE COMPANY, Shelton, Conn. Filed Apr. 23, 1946.

STARRBERL

FOR CRUCIBLES FOR HEATING, MELTING AND POURING METALS, ALLOYS AND CHEMICALS, AND FOR CONVEYING MELTED METALS, ALLOYS AND CHEMICALS, AND REFRACTORIES WHICH IN USE ARE SUBJECTED TO HIGH TEMPERATURES AND WHICH MAY FORM OR BE INCORPORATED IN OR USED IN CONNECTION WITH HEATING CHAMBERS AND FURNACES, AND CONTAINING BERYLLIUM OXIDE AS AN ESSENTIAL INGREDIENT.

Claims use since Dec. 27, 1945.

Ser. No. 505,199. HEATBATH CORPORATION, Indian Orchard, Springfield, Mass. Filed July 8, 1946.

DUETTE

FOR GAS-FIRED COMBINATION RANGES AND HEATERS, AND GAS-FIRED COMBINATION HEATERS AND WATER HEATERS.

Claims use since June 10, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 504,885. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed July 1, 1946.

ROAD KING

FOR PNEUMATIC TIRES COMPOSED OF RUBBER AND FABRIC AND INNER TUBES THEREFOR.

Claims use since Apr. 10, 1917.

Ser. No. 509,157. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Sept. 16, 1946.

AIR CHIEF

Applicant disclaims the exclusive use of the word "Air" apart from the mark.
FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Nov. 6, 1937.

Ser. No. 509,158. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Sept. 16, 1946.

CHIEF

FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Dec. 1, 1931.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 482,531. THE FRED GRETSCH MANUFACTURING CO., Brooklyn, N. Y. Filed Apr. 24, 1945.



Applicant disclaims the word "Gretsch" apart from the other elements of the mark.
FOR VIOLINS, GUITARS, BANJOS, UKULELES, MANDOLINS, DRUMS, CORNETS, TRUMPETS, SAXOPHONES, AND CLARINETS.
Claims use since Mar. 6, 1945.

Ser. No. 495,483. EDWARD J. LONG, doing business as Universal Dictating Machine Co., New York, N. Y. Filed Jan. 26, 1946.

Execaphone

FOR DICTATING MACHINES.
Claims use since Dec. 20, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 478,309. CHICAGO PAPER GROUP, Chicago, Ill. Filed Jan. 6, 1945.

TRIG

FOR CELLULOSIC BASE PRODUCTS—NAMELY, INDUSTRIAL WIPES MADE OF UNTREATED PAPER AND USED FOR WIPING PURPOSES, CLEANSING TISSUES, TOILET TISSUES, AND PACKING PAPER.
Claims use since Dec. 18, 1944.

Ser. No. 488,215. GOLD LEAF AND METALLIC POWDERS CO., New York, N. Y. Filed Sept. 10, 1945.

GMP

FOR LEAD PENCILS, COPYING PENCILS, MECHANICAL PENCILS, PENCILS OF ALL TYPES, PENCIL SHARPENERS, PEN HOLDERS, PEN POINTS, FOUNTAIN PENS, WRITING PAPER, ENVELOPES, PAPER CLIPS, AND ERASERS.
Claims use since Aug. 3, 1945.

Ser. No. 493,299. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 14, 1945.

Largesse

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since Apr. 27, 1944.

Ser. No. 493,855. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 22, 1945.

Cherry Orchard

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since June 15, 1944.

Ser. No. 493,857. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 22, 1945.

Geranium Terrace

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since June 20, 1944.

Ser. No. 493,858. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 22, 1945.

Tilted Parasols

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since July 28, 1944.

Ser. No. 493,900. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 26, 1945.

Cod Piquant

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since Apr. 9, 1945.

Ser. No. 493,901. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 26, 1945.

Fair Sails

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since Apr. 6, 1945.

Ser. No. 493,902. UNITED STATES ENVELOPE COMPANY, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 26, 1945.

Flowering Meadow

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since Apr. 14, 1944.

Ser. No. 493,903. UNITED STATES ENVELOPE COMPANY, doing business as one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 26, 1945.

Mélange

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since Mar. 29, 1945.

Ser. No. 494,170. UNITED STATES ENVELOPE COMPANY, doing business as one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 31, 1945.

Gallopade

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since July 12, 1945.

Ser. No. 494,172. UNITED STATES ENVELOPE COMPANY, doing business as one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 31, 1945.

Modes and Manners

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since July 11, 1945.

Ser. No. 497,784. FRANK R. CURTISS, New Haven, Conn. Filed Mar. 7, 1946.



The word "Standard" is disclaimed apart from the mark.
FOR STAPLES IN STRIPS FOR FASTENING PAPERS, ETC.
Claims use since Jan. 22, 1946.

Ser. No. 500,606. CONSOLIDATED COSMETICS, Chicago, Ill., assignor to Veralin, Inc., Chicago, Ill., a corporation of Illinois. Filed Apr. 20, 1946.

TABU

FOR TOILET PAPER, PENCILS, AND WRITING PAPER.
Claims use since Apr. 17, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 473,698. PAUL H. GILBERT, New York, N. Y. Filed Aug. 29, 1944.

DAFFYNITIONS

FOR CARTOON PUBLISHED FROM TIME TO TIME.
Claims use since Feb. 27, 1944.

Ser. No. 487,091. METROPOLITAN LITHOGRAPH & PUBLISHING CO., Everett, Mass. Filed Aug. 13, 1945.



FOR GREETING CARDS.
Claims use since June 20, 1945.

Ser. No. 490,771. WEBB G. SEIBOLD, Los Angeles, Calif. Filed Oct. 30, 1945.

CALIFORNIA LURE

The word "California" is specifically disclaimed.
FOR PERIODICAL.
Claims use since Oct. 8, 1945.

Ser. No. 493,988. TREASURE MASTERS, Minneapolis, Minn., assignor to Treasure Masters Corporation, Minneapolis, Minn., a corporation of Minnesota. Filed Dec. 28, 1945.



The representation of a greeting card is disclaimed apart from the mark.
FOR GREETING CARDS.
Claims use since Sept. 1, 1943.

Ser. No. 501,217. TOBY RUBOVITS INC., Chicago, Ill., Filed Apr. 30, 1946.

WINDO-POWER

FOR ADVERTISING MATERIAL COMPRISING PRINTED INFORMATION SHEETS, DISPLAY CARDS, AND FOLDERS CONTAINING SUCH PRINTED ADVERTISING MATTER SOLD AS SUCH IN TRADE.
Claims use since Aug. 15, 1940.

Ser. No. 501,635. CHIPIDEN PUBLISHING CORPORATION, New York, N. Y. Filed May 8, 1946.

ALL SURPRISE COMICS

Applicant disclaims the word "Comics."
FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.
Claims use since Aug. 16, 1943.

Ser. No. 501,640. COMEDY PUBLICATIONS, INC., New York, N. Y. Filed May 8, 1946.

ZIGGY PIG SILLY SEAL COMICS

Applicant disclaims the word "Comics."
FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.
Claims use since November 1940.

Ser. No. 501,694. 20TH CENTURY COMIC CORPORATION, New York, N. Y. Filed May 8, 1946.

TESSIE THE TYPIST COMICS

Applicant disclaims the word "Comics."
FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.
Claims use since January 1943.

Ser. No. 501,695. U. S. A. COMIC MAGAZINE CORP., New York, N. Y. Filed May 8, 1946.

Gay COMICS

Applicant disclaims the word "Comics."
FOR MAGAZINE OR PUBLICATION PUBLISHED PERIODICALLY.
Claims use since May 15, 1944.

Ser. No. 501,930. THE SATURDAY REVIEW ASSOCIATES, INC., New York, N. Y. Filed May 11, 1946.

DOUBLE-CROSTIC

FOR LITERARY WORD PUZZLE IN THE WEEKLY PUBLICATION, THE SATURDAY REVIEW OF LITERATURE.
Claims use since Mar. 31, 1934.

Ser. No. 501,934. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed May 11, 1946.

Mademoiselle's Mart

FOR TITLE FOR A COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS.
Claims use since June 20, 1935.

Ser. No. 501,935. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed May 11, 1946.

Mlle passports

FOR TITLE FOR A COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS.
Claims use since May 20, 1943.

CLASS 39

CLOTHING

Ser. No. 469,689. THE MILLER SHOE COMPANY, Cincinnati, Ohio. Filed Apr. 26, 1944.



The word "Shoes" is disclaimed apart from the mark.
FOR SHOES MADE OF LEATHER, AND LEATHER AND FABRIC COMBINATIONS.
Claims use since September 1939.

Ser. No. 469,934. KAYLON INCORPORATED, New York, N. Y. Filed May 4, 1944.

Tiny Tommies

The word "Tiny" is disclaimed except in the combination shown.
FOR MEN'S AND LADIES' PAJAMAS AND NIGHT ROBES.
Claims use since Mar. 2, 1944.

Ser. No. 485,176. STERN, MERRITT CO. INC., New York, N. Y. Filed June 28, 1945.

PICCADDILY

FOR MUFFLERS AND MEN'S SPORT SHIRTS.
Claims use since Jan. 1, 1926.

Ser. No. 486,597. TRUBENIZING PROCESS CORPORATION, New York, N. Y., assignor to Essley Shirt Company, Inc., New York, N. Y. Filed Aug. 1, 1945.

TRUBENISÉ

FOR OUTER SHIRTS, COLLARS, AND CUFFS.
Claims use since July 27, 1945.

Ser. No. 492,348. TRUBENIZING PROCESS CORPORATION, New York, N. Y., assignor to Essley Shirt Company, Inc., New York, N. Y. Filed Nov. 28, 1945.

TRUBENISERED

FOR OUTER SHIRTS, COLLARS, AND CUFFS.
Claims use since Nov. 23, 1945.

Ser. No. 493,096. ASHA LINGERIE COMPANY, New York, N. Y. Filed Dec. 12, 1945.

by Nathalia

FOR WOMEN'S NIGHTGOWNS, SLIPS, PANTIES, AND PETTICOATS OF NETTED, KNITTED, AND TEXTILE FABRICS.
Claims use since Oct. 15, 1945.

Ser. No. 493,980. IRWIN RABIN, New York, N. Y. Filed Dec. 28, 1945.

Humdingers

FOR WOMEN'S AND CHILDREN'S APRONS.
Claims use since Dec. 17, 1945.

Ser. No. 497,422. THE SIMON-ZUCKER CO., New York, N. Y. Filed Feb. 28, 1946.

"GROWAIST"

FOR OUTER GARMENTS COMPRISING WOMEN'S AND CHILDREN'S SHORTS, SLACKS, SUN-SUITS, OVER-ALLS, AND WASH SUITS.
Claims use since Dec. 17, 1945.

Ser. No. 497,819. WILLIAM H. SCHUMER, doing business as Wm. H. Schumer, Los Angeles, Calif. Filed Mar. 7, 1946.

Lady Frances

No claim is made to the word "Lady" apart from the mark.
FOR WOMEN'S AND MISSES' BLOUSES, SLACKS, SPORT SUITS, SLIPS, PANTIES, NIGHTGOWNS, AND PAJAMAS.
Claims use since Jan. 15, 1946.

Ser. No. 501,636. JOSEPH H. COHEN & SONS, INC., New York, N. Y. Filed May 8, 1946.

Vanity Boca Raton

The notation "Boca Raton" is disclaimed apart from the mark.
FOR MEN'S CLOTHING—NAMELY, SUITS, TROUSERS, COATS AND TOPCOATS.
Claims use since Apr. 23, 1946.

Ser. No. 502,884. COILL-SHUMAN CO., Boston, Mass. Filed May 28, 1946.

Aerial Miss

The word "Miss" is disclaimed apart from the mark.
FOR MISSES' AND JUNIORS' SPORTSWEAR—NAMELY, SKIRTS, SLACKS, JACKETS, SUITS, SHORTS, AND TOPPERS.
Claims use since Feb. 20, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 456,488. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Oct. 28, 1942.

DUROCOTE

FOR WATER OR MOISTURE REPELLENT PIECE GOODS COMPOSED OF COTTON, RAYON, NYLON, LINEN, WOOLEN, AND SILK FIBERS, AND/OR COMBINATIONS THEREOF, TREATED WITH CHLORINE CONTAINING RUBBER PLASTIC.
Claims use since Oct. 1, 1942.

Ser. No. 476,841. THE HARVEY CO., Nashville, Tenn. Filed Nov. 24, 1944.

Harvest

FOR HOUSEHOLD LINENS, DOMESTICS, SUCH AS TOWELS, BEDSPREADS, BLANKETS, BATH MATS, AND FOR FLOOR COVERINGS AND RUGS.
Claims use since July 1, 1942.

Ser. No. 498,521. HODGMAN RUBBER COMPANY, Framingham, Mass. Filed Mar. 19, 1946.

HORCOLITE

FOR RESIN OR PLASTIC-COATED FABRICS COMPOSED OF NYLON, RAYON, AND COTTON AND INTENDED FOR USE IN MANUFACTURE OF NOVELTIES, SANITARY SPECIALTIES, RAINCOATS, GARMENT BAGS, BABY PANTS, SHOWER CURTAINS, AND OTHER HOUSEHOLD ITEMS.
Claims use since Dec. 1, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 491,699. AUSTENAL LABORATORIES, INCORPORATED, New York, N. Y. Filed Nov. 16, 1945.

FLEXSEAL

FOR PREFORMED PLASTIC PATTERNS USED IN THE CONSTRUCTION OF CAST DENTAL RESTORATIONS.
Claims use since Oct. 29, 1944.

Ser. No. 510,450. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Oct. 8, 1946.

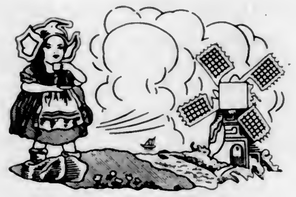
ASPIRADOR

FOR INHALER FOR THE ADMINISTRATION OF THERAPEUTIC AGENTS ORALLY.
Claims use since Sept. 10, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 479,407. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Borough of Lititz, Pa. Filed Feb. 3, 1945.



Applicant is the owner of Reg. No. 224,525. The drawing is lined for shading only. The representation of the girl is fanciful.
FOR COCOA.
Claims use since Sept. 11, 1910.

Ser. No. 485,276. ITALIAN COOK OIL CORP., Brooklyn, N. Y. Filed June 30, 1945.

AMIGO

FOR SALAD AND COOKING OIL.
Claims use since 1935.

Ser. No. 485,437. CONTINENTAL COMMODITIES CORPORATION, New York, N. Y. Filed July 4, 1945.

CONCOMO

FOR COCOA, GLUCOSE, VANILLA BEANS, AND ALMONDS.
Claims use since Oct. 1, 1944.

Ser. No. 490,066. C. ROY HUNTER, doing business as Royal Date Gardens, Indio, Calif. Filed Oct. 17, 1945.

ROYAL DATE GARDENS

No claim is made to the words "Date Gardens" apart from the mark.
FOR FRESH DATES, DRIED FRUITS, AND DATES STUFFED WITH NUTS.
Claims use since 1936.

Ser. No. 498,488. BLUEPOINTS COMPANY, INC., West Sayville, Long Island, N. Y. Filed Mar. 19, 1946.



Applicant is the owner of registration 161,970, Nov. 28, 1922, renewed. No claim is made to the word "Oysters" apart from the mark.
FOR OYSTERS—NAMELY, OYSTER MEATS TAKEN FROM THE SHELLS AND PACKED IN CONTAINERS, AND OYSTERS IN THE SHELL.
Claims use on oyster meats taken from the shells and packed in containers since at least as early as 1909, and on oysters in the shell since at least as early as 1927.

Ser. No. 500,099. LOFT CANDY CORPORATION, Long Island City, N. Y. Filed Apr. 12, 1946.



FOR CANDY.
Claims use since Oct. 4, 1944.

Ser. No. 501,565. CHARLOTTE A. CRAMER, doing business as Cramer Products Company, New York, N. Y. Filed May 7, 1946.

CRAMANNA

FOR BREAD MIX.
Claims use since Mar. 11, 1946.

Ser. No. 503,318. NICOLL'S OAT CAKE BAKERY, West Somerville, Mass. Filed June 5, 1946.

TAM O'SHANTER

FOR SCOTCH SHORTBREAD.
Claims use since Dec. 20, 1940.

Ser. No. 504,708. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed June 27, 1946. Under section 5b of the act of 1905 as amended in 1920.

FLEISCHMANN'S

FOR FROZEN VEGETABLES.
Claims use since June 19, 1945.

Ser. No. 506,127. ROSEMARIE DE PARIS, INC., New York, N. Y. Filed July 23, 1946.

Langues de Chat
CATS TONGUES

FOR CANDY.
Claims use since March 1942.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 492,589. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis. Filed Dec. 3, 1945. Under 10-year proviso as to "Schlitz."



The drawing is lined for the colors brown and gold.
FOR BEER.
Claims use since May 1, 1888, as to "Schlitz"; and since Jan. 2, 1940, in the form now shown.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 496,903. GLENMORE DISTILLERIES COMPANY, Louisville and Owensboro, Ky. Filed Feb. 19, 1946.



The portrait is that of an imaginary individual of the antebellum southern colonel type.
FOR WHISKEY.
Claims use since Dec. 31, 1938.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 459,927. ALBERT C. FISCHER, doing business as Servicised Products Company, Chicago, Ill. Filed Apr. 16, 1943.

SERVICISED

FOR BIRD HOUSES; RUBBER KNEELING PADS FOR PROTECTION OF THE KNEES WHEN KNEELING; AND TREE PROTECTORS IN THE NATURE OF COVERINGS OR JACKETS MADE OF WATERPROOFED PAPER, FABRIC AND THE LIKE FOR TREES, PLANTS, TWIGS OR BUDS.
Claims use since Feb. 28, 1935.

Ser. No. 491,029. S-B MANUFACTURING COMPANY, Milwaukee, Wis. Filed Nov. 3, 1945.

Lifetime

FOR STAND FOR HOLDING UPRIGHT A CHRISTMAS TREE DURING THE PERIOD OF ITS USE.
Claims use since Sept. 5, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 3, 1946

425,689. LIQUID GLASS CLEANERS. UNACAL PRODUCTS, INCORPORATED, Los Angeles, Calif., assignor, by mesne assignments, to Union Oil Company of California, Los Angeles, Calif., a corporation of California.
Filed August 19, 1941. Serial No. 446,377. PUBLISHED MAY 8, 1945. Class 4.

425,690. BOX AND CRATE SHOOKS, AND KNOCK-DOWN AND ASSEMBLED WOODEN AND METAL BOXES, AND SHIPPING CASES AND CRATES. ROBERT E. BIRDSALL, Fontana, Wis.
Filed October 1, 1942. Serial No. 455,884. PUBLISHED SEPTEMBER 10, 1946. Class 2.

425,691. PLYWOOD; ASPHALT FIBER BOARDS AND PLANKS; CORRUGATED EAVE CLOSURE STRIPS FORMED OF ASPHALT AND/OR RUBBER COMPOSITION, ETC. ALBERT C. FISCHER, doing business as Servicised Products Company, Chicago, Ill.
Filed April 12, 1943. Serial No. 459,807. PUBLISHED SEPTEMBER 10, 1946. Class 12.

425,692. FINELY DIVIDED AND SUBSTANTIALLY PURE METALLIC IRON REDUCED BY HYDROGEN FOR USE AS A CONSTITUENT OR INGREDIENT OF FOODS, ETC. THOMAS A. EDISON, INCORPORATED, West Orange, N. J.
Filed October 30, 1943. Serial No. 464,537. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,693. STEAM BOILERS, METAL BOILER JACKETS, CASINGS FOR HEAT EXCHANGERS, STEAM CONDENSERS, CEMENT KILNS, STOVE, BOILER AND FURNACE FIRE DOORS. HARRY DARBY, doing business as Harry Darby, Manufacturer, Kansas City, Kans.
Filed December 13, 1943. Serial No. 465,738. PUBLISHED SEPTEMBER 10, 1946. Class 34.

425,694. PRINTING AND LITHOGRAPHIC INKS. BOWERS PRINTING INK COMPANY, Chicago, Ill.
Filed April 20, 1944. Serial No. 469,491. PUBLISHED SEPTEMBER 3, 1946. Class 11.

425,695. GROUND BARYTES. EVERSOLE, MACLAY & CO., Potosi, Mo.
Filed May 8, 1944. Serial No. 470,020. PUBLISHED SEPTEMBER 10, 1946. Class 1.

425,696. WEIGHING MACHINES, SCALES, BALANCES, AND PARTS THEREOF. FAIRBANKS, MORSE & CO., Chicago, Ill.
Filed August 30, 1944. Serial No. 473,729. PUBLISHED SEPTEMBER 10, 1946. Class 26.

425,697. SOAP. COLONIAL DAMES COMPANY, LTD., Los Angeles, Calif.
Filed September 27, 1944. Serial No. 474,654. PUBLISHED SEPTEMBER 10, 1946. Class 4.

425,698. MILITARY UNIFORMS, INDUSTRIAL UNIFORMS, AND UNIFORMS FOR PERSONS ENGAGED IN PROFESSIONS SUCH AS NURSES AND THE LIKE. DAVIS CLOTHING COMPANY, Boston, Mass.
Filed November 8, 1944. Serial No. 476,241. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,699. BOILERS AND FURNACES FOR DOMESTIC AND INDUSTRIAL PURPOSES, AND PARTS THEREOF—NAMELY, BOILER BAFFLE PLATES, ETC. FOLLSAIN METALS LTD., Lutterworth, near Rugby, England.
Filed December 15, 1944. Serial No. 477,602. PUBLISHED SEPTEMBER 10, 1946. Class 34.

425,700. BATH ROBES, DRESSING GOWNS, HOUSE COATS, WOMEN'S AND CHILDREN'S NEGLIGEES, AND HOSTESS GOWNS OF EVERY DESCRIPTION. GUSTAVE G. GRAY, doing business as Manhattan Bath Robe Company, Montreal, Quebec, Canada.
Filed December 21, 1944. Serial No. 477,801. PUBLISHED AUGUST 27, 1946. Class 39.

425,701. METALS, METAL COMPOUNDS AND ALLOYS FOR USE IN THE PRODUCTION OF METAL BY EXOTHERMIC REACTION AND IN THE PROCESS OF WELDING METALS. THE ELECTRIC RAILWAY IMPROVEMENT COMPANY, Cleveland, Ohio.
Filed December 29, 1944. Serial No. 478,041. PUBLISHED SEPTEMBER 10, 1946. Class 14.

425,702. WATERPROOF CAPES, APRONS, RAINCAPS, RAINHOODS, SHOWERCAPS, AND BABY PANTS. JOLO MERCHANDISE COMPANY INC., New York, N. Y.
Filed February 14, 1945. Serial No. 479,799. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,703. PAPER—NAMELY, FLUTED LINERS AND BAKING CUPS. SHERMAN PAPER PRODUCTS CORPORATION, Newton, Mass.
Filed February 17, 1945. Serial No. 479,954. PUBLISHED SEPTEMBER 10, 1946. Class 2.

425,704. WELDING RODS FOR CONSUMPTION IN WELDING OPERATIONS. OMAHA WELDING COMPANY, Omaha, Nebr.
Filed March 26, 1945. Serial No. 481,336. PUBLISHED AUGUST 27, 1946. Class 14.

425,705. CONCENTRATED PLANT FOOD AND FERTILIZER. THE POLY-BLOOM CO., Brooklyn, N. Y.
Filed April 13, 1945. Serial No. 482,117. PUBLISHED SEPTEMBER 10, 1946. Class 10.

425,706. TOOL BOXES. BONNEY FORGE AND TOOL WORKS, Allentown, Pa.
Filed April 18, 1945. Serial No. 482,269. PUBLISHED SEPTEMBER 10, 1946. Class 2.

425,707. TOY JACK-IN-THE-BOXES AND DOLLS. JONTHAY, New York, N. Y.
Filed April 26, 1945. Serial No. 482,629. PUBLISHED SEPTEMBER 10, 1946. Class 22.

425,708. HOSIERY. DAVISVILLE HOSIERY MILL, Davisville, Pa.
Filed May 11, 1945. Serial No. 483,217. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,709. PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF. VERNEY FABRICS CORPORATION, New York, N. Y.
Filed May 15, 1945. Serial No. 483,390. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,710. PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF. VERNEY FABRICS CORPORATION, New York, N. Y.
Filed May 15, 1945. Serial No. 483,395. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,711. PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF. VERNEY FABRICS CORPORATION, New York, N. Y.
Filed May 15, 1945. Serial No. 483,397. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,712. PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF. VERNEY FABRICS CORPORATION, New York, N. Y.
Filed May 15, 1945. Serial No. 483,398. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,713. PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES—NAMELY, RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF. VERNEY FABRICS CORPORATION. New York, N. Y.
Filed May 15, 1945. Serial No. 483,400. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,714. FACIAL TISSUE. IRVING WORTHMAN, Brooklyn, N. Y.
Filed May 15, 1945. Serial No. 483,407. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,715. CHEMICAL STAINS FOR COLORING CONCRETE AND OIL AND WAX DRESSINGS FOR CONCRETE, BRICK, TILE AND LIKE SURFACES. HARRY H. ROHLOFF, doing business as Harry Rohloff & Company, Los Angeles, Calif.
Filed May 24, 1945. Serial No. 483,742. PUBLISHED FEBRUARY 5, 1946. Class 16.

425,716. OBJECTIVE LENSES AND REFLECTORS USED IN OPTICAL SYSTEMS. AMERICAN LENS COMPANY, INC., New York, N. Y.
Filed May 28, 1945. Serial No. 483,839. PUBLISHED SEPTEMBER 10, 1946. Class 26.

425,717. WINDOW DRAPES, BED SPREADS, MATTRESS COVERS, COMFORTER COVERS, AND CRIB SHEETS. SANI-MODE MFG. CO., Chicago, Ill., assignor to Sani-Mode Mfg. Co., Chicago, Ill., a corporation of Illinois.
Filed July 13, 1945. Serial No. 485,798. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,718. GIRDLES, PANTIE GIRDLES, AND CORSETS. UNIVERSAL BRASSIERE AND JUSTRITE CORSET CO. INC., New York, N. Y.
Filed July 17, 1945. Serial No. 485,931. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,719. REFRIGERATING APPARATUS, SPECIFICALLY APPARATUS FOR COOLING FLUIDS USED IN METAL CUTTING OPERATIONS. GRAY-MILLS CO., Evanston, Ill., assignor to Gray-Mills Corporation, Evanston, Ill., a corporation of Illinois.
Filed July 25, 1945. Serial No. 486,251. PUBLISHED SEPTEMBER 10, 1946. Class 31.

425,720. LADIES' DRESSES. SAM ROTHBART, doing business as Juliette Frocks, Chicago, Ill., assignor to Juliette Frocks, Inc., Chicago, Ill., a corporation of Illinois.
Filed July 27, 1945. Serial No. 486,388. PUBLISHED SEPTEMBER 3, 1946. Class 39.

425,721. PRINTING AND DEVELOPING MACHINES USED IN THE PRINTING AND DEVELOPMENT OF LIGHT SENSITIVE DIAZOTYPE MATERIALS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 18, 1945. Serial No. 487,252. PUBLISHED SEPTEMBER 10, 1946. Class 26.

425,722. DRAPERIES AND CURTAINS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed August 25, 1945. Serial No. 487,578. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,723. NON-SMEAR STAMP PADS AND NON-SMEAR INK. WHITNEY K. MUNSON, doing business as Ranger Products Company, East Orange, N. J.
Filed August 28, 1945. Serial No. 487,688. PUBLISHED SEPTEMBER 10, 1946. Class 11.

425,724. CHILDREN'S DRESSES, BLOUSES, AND SKIRTS. L. WOHL & COMPANY, New York, N. Y.
Filed August 28, 1945. Serial No. 487,695. PUBLISHED SEPTEMBER 3, 1946. Class 39.

425,725. CORRUGATED AND SOLID FIBRE SHIPPING CASES AND CARTONS. RIVER RAISIN PAPER COMPANY, Monroe, Mich.
Filed August 29, 1945. Serial No. 487,740. PUBLISHED SEPTEMBER 10, 1946. Class 2.

425,726. LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES. MORRIS W. HAFT & BROTHERS INC., New York, N. Y.
Filed September 6, 1945. Serial No. 488,034. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,727. PIECE GOODS MADE OF COTTON, NATURAL SILK, WOOL, LINEN, RAYON, GLASS, NYLON, VINYL RESIN FIBRES AND VINYLIDENE POLYMERS, AND COMBINATIONS THEREOF. J. B. LEWIS & SONS LIMITED, Nottingham, England.
Filed September 7, 1945. Serial No. 488,109. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,728. NECKTIES, OUTER SHIRTS, SWEATERS, PYJAMAS, DRESSING GOWNS, LOUNGING HOUSE SUITS, SCARFS, MUFFLERS, HANDKERCHIEFS, SOCKS, BRACES AND APPAREL BELTS. CHARVET & FILS, INC., New York, N. Y.
Filed September 10, 1945. Serial No. 488,188. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,729. NECKTIES, OUTER SHIRTS, SWEATERS, PYJAMAS, DRESSING GOWNS, LOUNGING HOUSE SUITS, SCARFS, MUFFLERS, HANDKERCHIEFS, SOCKS, BRACES, AND APPAREL BELTS. CHARVET & FILS, INC., New York, N. Y.
Filed September 10, 1945. Serial No. 488,189. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,730. WRITING INK. THE PARKER PEN COMPANY, Janesville, Wis.
Filed September 14, 1945. Serial No. 488,474. PUBLISHED SEPTEMBER 3, 1946. Class 11.

425,731. WALL BRACKETS, AND BOOK ENDS. MULTI PRODUCTS, INCORPORATED, Chicago, Ill.
Filed September 17, 1945. Serial No. 488,606. PUBLISHED SEPTEMBER 10, 1946. Class 32.

425,732. BOYS' SUITS; BOYS', GIRLS' AND MISSES' OVERALLS, SHORTS, SLACKS, SLACK SUITS, AND SUN SUITS. SAMUEL R. TEDOFF, doing business as "Teddy Boy" Manufacturing Company, Brooklyn, N. Y.
Filed September 28, 1945. Serial No. 489,153. PUBLISHED AUGUST 27, 1946. Class 39.

425,733. CLAYS THAT ARE SUITABLE FOR USE IN TOOTH PASTE, LOTIONS, FACE PACKS, SOAPS, AND VARIOUS COSMETICS. ALOSIUM PRODUCTS COMPANY, Pittsburgh, Pa.
Filed October 8, 1945. Serial No. 489,577. PUBLISHED SEPTEMBER 10, 1946. Class 1.

425,734. MEN'S SPORT JACKETS, SWIM TRUNKS, SLACKS, WORK PANTS, AND RAIN COATS. REEVES BROTHERS, INC., New York, N. Y.
Filed October 10, 1945. Serial No. 489,762. PUBLISHED APRIL 30, 1946. Class 39.

425,735. HAIR NETS. NEW YORK MERCHANDISE CO., INC., New York, N. Y.
Filed October 12, 1945. Serial No. 489,880. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,736. GRASS SEED. GERMAIN SEED AND PLANT CO., Los Angeles, Calif.
Filed October 15, 1945. Serial No. 489,956. PUBLISHED SEPTEMBER 10, 1946. Class 1.

425,737. ARTIFICIAL FISH BAIT. ART WIRE STAMPING CO., Newark, N. J.
Filed October 17, 1945. Serial No. 490,053. PUBLISHED SEPTEMBER 17, 1946. Class 22.

425,738. AIRCRAFT FUEL TANKS MADE FROM LAMINATED MOLDED MATERIAL, PARTICULARLY PLYWOOD. DURAMOLD AIRCRAFT CORPORATION, New York, N. Y.
Filed October 19, 1945. Serial No. 490,178. PUBLISHED SEPTEMBER 17, 1946. Class 2.

425,739. CHILD-PROPELLED TOY ROLLING STROLLERS AND TOY DUMP WAGONS. TAYLOR-GRAVES, INC., Saybrook, Conn.
Filed October 23, 1945. Serial No. 490,407. PUBLISHED SEPTEMBER 10, 1946. Class 22.

425,740. EDUCATIONAL PEG GAME. WOOD COMMODITIES CORPORATION, New York, N. Y.
Filed November 1, 1945. Serial No. 490,912. PUBLISHED SEPTEMBER 17, 1946. Class 22.

425,741. FURNITURE CARVINGS, MOULDINGS AND LEGS, CANDLE STANDS, BOOK ENDS, DESK DRAWER FITTINGS, PICTURE FRAMES, ETC. SYRACUSE ORNAMENTAL CO., New York, N. Y.
Filed November 2, 1945. Serial No. 490,981. PUBLISHED SEPTEMBER 10, 1946. Class 32.

425,742. SOAP POWDER. PEMBERTON PRODUCTS COMPANY, Irvington, N. J.
Filed November 10, 1945. Serial No. 491,427. PUBLISHED SEPTEMBER 3, 1946. Class 4.

425,743. WOOL PIECE GOODS. SOMERSVILLE MF'G COMPANY, Somersville, Conn.
Filed November 13, 1945. Serial No. 491,520. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,744. GLAZE IN LIQUID AND PASTE FORM FOR POLISHING AND CLEANING AUTOMOBILES, AIRPLANES, AND FINISHED, LACQUERED, AND ENAMELED SURFACES. STRAND CASTLE COMPANY, Lynwood, Calif.
Filed November 13, 1945. Serial No. 491,522. PUBLISHED SEPTEMBER 10, 1946. Class 16.

425,745. JAM, MARMALADE, FRUIT BUTTERS, FRUIT PRESERVES, PRESERVED FRUIT, JELLIES, FLAVORING EXTRACTS FOR FOODS, ETC. BLANKE-BAER EXTRACT & PRESERVING CO., St. Louis, Mo.
Filed November 14, 1945. Serial No. 491,541. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,746. TOYS COMPRISING A PLURALITY OF ELEMENTS WHICH MAY BE ASSEMBLED TO FORM PREDETERMINED OBJECTS AND FOR GAMES PLAYED WITH A PLURALITY OF PIECES. MCNAB OF BRIDGEPORT, INC., Bridgeport, Conn.
Filed November 16, 1945. Serial No. 491,721. PUBLISHED SEPTEMBER 10, 1946. Class 22.

425,747. LUGGAGE STANDS, FOLDING TRAY STANDS, SERVING CARTS, AND PORTABLE BARS. FRANTZ INDUSTRIES, doing business as Aero-Art, Los Angeles, Calif.
Filed November 19, 1945. Serial No. 491,820. PUBLISHED SEPTEMBER 10, 1946. Class 32.

425,748. SANDWICHES MADE OF CHICKEN, TURKEY, CHEESE, PORK, BEEF AND/OR TOMATOES WITH BUTTER AND BREAD OR BUNS. LUCKY "11" SANDWICH SYSTEM, St. Joseph, Mo.
Filed November 19, 1945. Serial No. 491,859. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,749. LADIES' HANDBAGS. INGBER & COMPANY, Philadelphia, Pa.
Filed November 26, 1945. Serial No. 492,200. PUBLISHED SEPTEMBER 17, 1946. Class 3.

425,750. TOY BANKS FORMED OF ORNAMENTAL CERAMIC WARE. EMANUEL E. EVANS, Youngstown, Ohio.
Filed November 30, 1945. Serial No. 492,432. PUBLISHED SEPTEMBER 17, 1946. Class 22.

425,751. PAINTS IN DRY, PASTE, AND/OR READY-MIXED FORMS, AND PAINTERS' MATERIALS—NAMELY, PAINTS, VARNISHES, PAINT ENAMELS, AND LACQUERS. GARRETT M. GOLDBERG, doing business as Garrett M. Goldberg Paint Company, San Francisco, Calif.
Filed December 3, 1945. Serial No. 492,556. PUBLISHED SEPTEMBER 10, 1946. Class 16.

425,752. MACARONI SHELLS COOKED IN HOT OIL AND THEN FLAVORED WITH GRATED CHEESE AND GARLIC SALT. THE MAGIC NUT SHOP, Los Angeles, Calif.
Filed December 4, 1945. Serial No. 492,636. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,753. FINELY CUT OR COMMINUTED METALS—NAMELY, GOLD OR SILVER PLATED COTTON RIBBON, USED AS A SURFACE COATING MEDIUM OR AS A DECORATIVE FILLER FOR TRANSPARENT PLASTICS. THE RAYON PROCESSING CO. OF R. I. INC., Central Falls, R. I., and elsewhere.
Filed December 4, 1945. Serial No. 492,663. PUBLISHED SEPTEMBER 17, 1946. Class 1.

425,754. TELEPHONE INDEXES (BLANK). UNIQUE ART MANUFACTURING COMPANY, INC., Newark, N. J.
Filed December 4, 1945. Serial No. 492,668. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,755. CHILDREN'S AND MISSES' DRESSES. H. & L. SACKS, New York, N. Y.
Filed December 5, 1945. Serial No. 492,740. PUBLISHED MAY 7, 1946. Class 39.

425,756. FRESH VEGETABLES. E. J. MUTCHLER, Sinton, Tex.
Filed December 7, 1945. Serial No. 492,849. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,757. PLATES, CIRCLES AND BOARDS MADE OF CARDBOARD AND TO BE USED AS SUPPORTS FOR CAKES. GENERAL FIBRE PRODUCTS CO., Maspeth, N. Y.
Filed December 12, 1945. Serial No. 493,116. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,758. SMOKERS' PIPES, CIGAR AND CIGARETTE HOLDERS. THE REISS-PREMIER CORPORATION, West New York, N. J.
Filed December 15, 1945. Serial No. 493,401. PUBLISHED SEPTEMBER 17, 1946. Class 8.

425,759. WOODCASED LEAD PENCILS. NATIONAL PENCIL COMPANY, Shelbyville, Tenn.
Filed December 17, 1945. Serial No. 493,450. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,760. DENTURE CLEANSER AND SOAPS FOR TOILET, LAUNDRY, AND HOUSEHOLD USE AND SOAP POWDERS. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed December 21, 1945. Serial No. 493,660. PUBLISHED SEPTEMBER 10, 1946. Class 4.

425,761. MUCILAGE AND ADHESIVE PASTE. MARVEL PRODUCTS, INC., New York, N. Y.
Filed December 22, 1945. Serial No. 493,793. PUBLISHED SEPTEMBER 17, 1946. Class 5.

425,762. WRITING INKS, DRAWING INKS, STAMP PAD INKS, AND DUPLICATING INKS. MARVEL PRODUCTS, INC., New York, N. Y.
Filed December 22, 1945. Serial No. 493,794. PUBLISHED SEPTEMBER 10, 1946. Class 11.

425,763. AIR MAIL PAPER, AIR MAIL ENVELOPES, PRINTING PAPER, PAPETERIES, MAILING ENVELOPES, WRITING PAPER, TABLETS, WRAPPING PAPER, AND DUPLICATING PAPERS. AGENCY PAPER COMPANY, New York, N. Y.
Filed December 28, 1945. Serial No. 493,939. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,764. OPHTHALMIC MOUNTINGS. BAY STATE OPTICAL COMPANY, Attleboro, Mass.
Filed December 29, 1945. Serial No. 494,007. PUBLISHED SEPTEMBER 10, 1946. Class 26.

425,765. OPHTHALMIC MOUNTINGS. BAY STATE OPTICAL COMPANY, Attleboro, Mass.
Filed December 29, 1945. Serial No. 494,008. PUBLISHED SEPTEMBER 10, 1946. Class 26.

425,766. CHILDREN'S AND BOYS' SUITS, COATS AND PANTS. LOUIS GASTWIRTH & CO., New York, N. Y.
Filed December 29, 1945. Serial No. 494,056. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,767. CANNED CITRUS JUICES. LEE GROWERS COOPERATIVE, Tampa, Fla.
Filed December 29, 1945. Serial No. 494,084. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,768. FLOOR, PORCH AND DECK PAINT ENAMELS. LEHMAN BROS. CORP., Jersey City, N. J.
Filed January 3, 1946. Serial No. 494,221. PUBLISHED SEPTEMBER 17, 1946. Class 16.

425,769. READY-MIXED PAINTS. LEHMAN BROS. CORP., Jersey City, N. J.
Filed January 3, 1946. Serial No. 494,222. PUBLISHED SEPTEMBER 17, 1946. Class 16.

425,770. MISSES' AND JUNIOR MISSES' COATS, SUITS, JACKETS, SKIRTS, AND COAT AND SUIT ENSEMBLES. DONNYBROOK COAT AND SUIT CO., New York, N. Y.
Filed January 5, 1946. Serial No. 494,314. PUBLISHED SEPTEMBER 3, 1946. Class 39.

425,771. PENCILS, LEADS, ERASERS, PENS, AND PEN HOLDERS. NATIONAL PENCIL COMPANY, Shelbyville, Tenn.
Filed January 5, 1946. Serial No. 494,352. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,772. PENCILS, LEADS, ERASERS, PENS, AND PENHOLDERS. NATIONAL PENCIL COMPANY, Shelbyville, Tenn.
Filed January 5, 1946. Serial No. 494,353. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,773. CLEANING AND WASHING POWDER FOR ELECTRIC DISHWASHING. KELITE PRODUCTS, INC., doing business as Kenu Products Company, Los Angeles, Calif.
Filed January 8, 1946. Serial No. 494,451. PUBLISHED SEPTEMBER 10, 1946. Class 4.

425,774. A SWEETENING COMPOUND, CONSISTING ESSENTIALLY OF SORBITOL AND ADAPTED FOR USE IN DIABETIC DIETS. A. E. FINGERHUT, doing business as Sinesac Company, Cleveland, Ohio
Filed January 14, 1946. Serial No. 494,743. PUBLISED SEPTEMBER 17, 1946. Class 46.

425,775. POT CLEANERS MADE OF METAL TEXTILE. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed January 15, 1946. Serial No. 494,791. PUBLISHED SEPTEMBER 3, 1946. Class 4.

425,776. LADIES' HOSIERY. CHESTER H. ROTH CO., INC., New York, N. Y.
Filed January 22, 1946. Serial No. 495,193. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,777. BRASSIÈRES, CORSETS, CORSET WAISTS, GARTER BELTS, BANDEAUX, AND GIRDLES. HENRIETTA KLOPFER, Toms River, N. J.
Filed January 23, 1946. Serial No. 495,244. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,778. HANDKERCHIEFS. CRESTWOOD LINEN COMPANY, New York, N. Y.
Filed January 24, 1946. Serial No. 495,276. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,779. UNDERWEAR, PANTIES, SLIPS, NIGHTGOWNS, PAJAMAS, CHEMISES, BEDJACKETS, AND BATHROBES, BEACH ROBES, AND LOUNGING ROBES, FOR WOMEN AND CHILDREN. H. G. UNDERWEAR CORPORATION, New York, N. Y., now by change of name to Rhinette Inc.
Filed January 25, 1946. Serial No. 495,380. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,780. CANNED SPAGHETTI WITH MUSHROOM SAUCE AND A CANNED DINNER OF EGG NOODLES, CHICKEN BROTH, CORNED TURKEY GIBLETS, CARROTS, CHICKEN FAT, OKRA, SALT, AND SPICES. THREE RIBBONS PACKING COMPANY, Mountain View, Calif.
Filed January 25, 1946. Serial No. 495,422. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,781. LAMINATED PAPER WRAPPING MATERIAL USED AS A PROTECTIVE WRAPPING FOR FRAGILE PRODUCTS SUCH AS GLASSWARE, POTTERY AND THE LIKE. THE HINDE & DAUCH PAPER COMPANY, Sandusky, Ohio.
Filed January 26, 1946. Serial No. 495,473. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,782. SHOES OF LEATHER. JACK NAHAN, Los Angeles, Calif.
Filed January 26, 1946. Serial No. 495,494. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,783. LADIES' HATS. MARY GOODFELLOW, New York, N. Y.
Filed January 30, 1946. Serial No. 495,665. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,784. RICE. RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif.
Filed January 30, 1946. Serial No. 495,694. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,785. RICE. RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif.
Filed January 30, 1946. Serial No. 495,695. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,786. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y., assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois.
Filed February 1, 1946. Serial No. 495,840. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,787. AIRPLANE AND AIRCRAFT DOPES, LACQUERS, AUTOMOBILE AND FURNITURE POLISHES, PAINT AND LACQUER PRIMERS AND FILLERS. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 2, 1946. Serial No. 495,862. PUBLISHED SEPTEMBER 17, 1946. Class 16.

425,788. CANNED FRUITS, CANNED VEGETABLES, CANNED FRUITS FOR SALAD, CANNED VEGETABLES FOR SALAD, ETC. HAAS BROTHERS, San Francisco, Calif.
Filed February 2, 1946. Serial No. 495,882. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,789. MATTRESSES. THE VINCENT-MCCALL COMPANY, Kenosha, Wis.
Filed February 2, 1946. Serial No. 495,920. PUBLISHED SEPTEMBER 17, 1946. Class 32.

425,790. MATTRESSES. THE VINCENT-MCCALL COMPANY, Kenosha, Wis.
Filed February 2, 1946. Serial No. 495,921. PUBLISHED SEPTEMBER 17, 1946. Class 32.

425,791. TOY GUNS AND TOY PISTOLS. DAISY MANUFACTURING COMPANY, Plymouth, Mich.
Filed February 5, 1946. Serial No. 496,015. PUBLISHED SEPTEMBER 17, 1946. Class 22.

425,792. LEATHER. WILLARD HELBURN, INC., Peabody, Mass.
Filed February 5, 1946. Serial No. 496,024. PUBLISHED SEPTEMBER 10, 1946. Class 1.

425,793. LADIES' AND CHILDREN'S PANTIES, POLO SHIRTS, SLIPS, NIGHTGOWNS, AND PAJAMAS. RHINE UNDERGARMENT COMPANY, New York, N. Y.
Filed February 6, 1946. Serial No. 496,103. PUBLISHED SEPTEMBER 3, 1946. Class 39.

425,794. DRESSING, CLEANER AND POLISH FOR SHOES, BOOTS, LEATHER GOODS, AND LEATHER TRIMMINGS OR OTHER ARTICLES, SUCH AS BELTS, BAGS, AND THE LIKE. KNOMARK MANUFACTURING CO., New York, N. Y.
Filed February 7, 1946. Serial No. 496,147. PUBLISHED SEPTEMBER 10, 1946. Class 4.

425,795. FOOD FOR ROSES AND PLANTS. SHERWOOD MORTLEY PINKERTON, doing business as S. Pinkerton, Toledo, Ohio.
Filed February 7, 1946. Serial No. 496,152. PUBLISHED SEPTEMBER 3, 1946. Class 10.

425,796. CAKE LINER IN GREASE FORM, FOR APPLYING TO CONTAINERS IN WHICH CAKES ARE BAKED TO PERMIT THEIR WITHDRAWAL FROM THE CONTAINERS. CRYNS PRODUCTS, INC., Chicago, Ill.
Filed February 8, 1946. Serial No. 496,204. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,797. FOOD FOR YEAST IN POWDERED FORM, CONTAINING MINERAL SALTS, INACTIVE YEAST, AND CEREAL FLOURS. CRYNS PRODUCTS, INC., Chicago, Ill.
Filed February 8, 1946. Serial No. 496,206. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,798. RYE YEAST. CRYNS PRODUCTS, INC., Chicago, Ill.
Filed February 8, 1946. Serial No. 496,208. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,799. CIGARS. PENINSULAR CIGAR CO., Tampa, Fla.
Filed February 8, 1946. Serial No. 496,266. PUBLISHED SEPTEMBER 10, 1946. Class 17.

425,800. SOAP. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed February 9, 1946. Serial No. 496,301. PUBLISHED SEPTEMBER 3, 1946. Class 4.

425,801. VEGETABLE OIL FOR FOOD PURPOSES, OLIVES, CONDIMENTS, FOOD FLAVORING, TABLE SAUCES, PICKLES, SALAD DRESSING, FRENCH DRESSING, SPICES, AND MAYONNAISE. ISIDORE PELLENBERG, New York, N. Y.
Filed February 9, 1946. Serial No. 496,330. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,802. CLEANING FLUID. HAROLD A. MEYER, doing business as Demand Products Company, San Francisco, Calif.
Filed February 11, 1946. Serial No. 496,389. PUBLISHED SEPTEMBER 10, 1946. Class 4.

425,803. WASHING AND CLEANING COMPOUND. BLUE RIBBON PRODUCTS COMPANY, San Francisco, Calif.
Filed February 13, 1946. Serial No. 496,497. PUBLISHED SEPTEMBER 10, 1946. Class 4.

425,804. BREAKFAST CEREALS. CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash.
Filed February 13, 1946. Serial No. 496,500. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,805. LIQUID PREPARATION FOR USE AS A SUBSTITUTE FOR SOAP FOR CLEANING THE SKIN. COSMEX CORP., New York, N. Y.
Filed February 14, 1946. Serial No. 496,543. PUBLISHED SEPTEMBER 10, 1946. Class 4.

425,806. PAINTS AND PROTECTIVE COATINGS IN THE NATURE OF PAINTS. JOHN F. GERMAIN, Brooklyn, N. Y.
Filed February 14, 1946. Serial No. 496,553. PUBLISHED SEPTEMBER 10, 1946. Class 16.

425,807. GIRLS' AND WOMEN'S DRESSES AND COMBINATION BLOUSE-SLIPS; CHILDREN'S AND WOMEN'S COATS AND SPORT CLOTHES—NAMELY, RIDING SUITS AND AIR TRAVEL SUITS. CHARLES H. PFUHL, Ramsey, N. J.
Filed February 14, 1946. Serial No. 496,566. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,808. ADJUSTABLE LOAD BEARING METAL POSTS, COLUMNS, AND STANCHIONS ADAPTED FOR PERMANENT USE IN BUILDING STRUCTURES FOR ADJUSTABLE COLUMNAR REENFORCEMENT AND SUPPORT OF BEAMS, JOISTS, AND THE LIKE. LAURENCE J. MCKNIGHT, Cleveland, Ohio.
Filed February 16, 1946. Serial No. 496,722. PUBLISHED SEPTEMBER 10, 1946. Class 12.

425,809. BOYS' OUTER CLOTHING, SPECIFICALLY, BIB PANTS, SHIRTS, SLACKS, KNICKERS, SHORTS, SUITS, JACKETS, OVERCOATS, SNOW SUITS, AND BOOT PANTS. K. C. BOYSWEAR MFG. CO., Kansas City, Mo.
Filed February 18, 1946. Serial No. 496,844. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,810. MATERNITY DRESSES. STANLEY I. TRUSSEL, doing business as Maternicraft Dress Co., New York, N. Y.
Filed February 19, 1946. Serial No. 496,935. PUBLISHED AUGUST 27, 1946. Class 39.

425,811. METAL AND PLASTIC MOULDINGS FOR USE AS CONSTRUCTION MATERIALS. KINKEAD INDUSTRIES INCORPORATED, Chicago, Ill.
Filed February 21, 1946. Serial No. 497,027. PUBLISHED SEPTEMBER 10, 1946. Class 12.

425,812. FRESH GRAPES. VALLEY FRUIT DISTRIBUTORS, Victor, Calif.
Filed February 25, 1946. Serial No. 497,218. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,813. MECHANICAL PENCILS, PENCIL LEADS, AND ERASERS. SCRIPTO MANUFACTURING COMPANY, Atlanta, Ga.
Filed February 26, 1946. Serial No. 497,274. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,814. SYNTHETIC WAX INTENDED AS A REPLACEMENT FOR CARNAUBA WAX FOR USE IN THE MANUFACTURE OF FLOOR WAX. CORNELIUS PRODUCTS COMPANY, New York, N. Y.
Filed February 28, 1946. Serial No. 497,373. PUBLISHED SEPTEMBER 17, 1946. Class 1.

425,815. MECHANICAL PENCILS. RITE-RITE MFG. CO., Downers Grove, Ill.
Filed February 28, 1946. Serial No. 497,413. PUBLISHED SEPTEMBER 17, 1946. Class 37.

425,816. PACKAGED PREPARED FOOD MADE FROM CORN—NAMELY, CORN CHIPS. WILLIAM G. CARNAHAN, Blaine, Tenn.
Filed March 4, 1946. Serial No. 497,591. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,817. MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS. JOSEPH M. KLEIN, New York, N. Y.
Filed March 6, 1946. Serial No. 497,721. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,818. MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS. JOSEPH M. KLEIN, New York, N. Y.
Filed March 6, 1946. Serial No. 497,722. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,819. FROZEN DOUGH. S. A. BERMAN, doing business as Frozen Dough Products of America, Minneapolis, Minn.
Filed March 7, 1946. Serial No. 497,771. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,820. INFANTS', CHILDREN'S, BOYS', GIRLS', MISSES' AND WOMEN'S APPAREL—NAMELY, OVERALLS, COVERALLS, SUITS, ETC. HI-LINE CO., INC., New York, N. Y.
Filed March 7, 1946. Serial No. 497,795. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,821. INFANTS', CHILDREN'S, BOYS', GIRLS', MISSES' AND WOMEN'S APPAREL—NAMELY, OVERALLS, COVERALLS, SUITS, ETC. HI-LINE CO., INC., New York, N. Y.
Filed March 7, 1946. Serial No. 497,796. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,822. WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BLOUSES, OUTER SHIRTS, SLACKS, SLACK SUITS, ETC. ALICE FROCK CO., San Francisco, Calif.
Filed March 9, 1946. Serial No. 497,912. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,823. WOMEN'S AND MISSES' DRESSES, SUITS, COATS, BLOUSES, SKIRTS, AND LINGERIE—NAMELY, SLIPS, PANTIES, NIGHTGOWNS, AND PAJAMAS. THE CLOTHES HORSE, INC., Washington, D. C.
Filed March 13, 1946. Serial No. 498,115. PUBLISHED AUGUST 27, 1946. Class 39.

425,824. ELECTRIC FANS AND VENTILATOR GRILLES USED FOR HEATING AND VENTILATING. WILSTER, INC., Cleveland, Ohio.
Filed March 13, 1946. Serial No. 498,193. PUBLISHED SEPTEMBER 17, 1946. Class 34.

425,825. ARTICLES OF APPAREL—NAMELY, CHILDREN'S PLAY CLOTHES, COMPRISING TROUSERS, ROMPERS, SHIRTS AND JACKETS; SUITS, OVERALLS, SPORTSWEAR, COMPRISING TROUSERS, SLACKS, SHIRTS, VESTS AND JACKETS; PANTS AND SHIRTS. THE CROWN OVERALL MFG. CO., Cincinnati, Ohio.
Filed March 15, 1946. Serial No. 498,272. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,826. WOMEN'S, MISSES' AND JUNIORS' SPORTSWEAR—NAMELY, SKIRTS, SLACKS, JUMPERS, JERKINS, SHIRTS, JACKETS, SLACK SUITS, AND SUITS. ALLEN MANUFACTURING CO., Chicago, Ill.
Filed March 18, 1946. Serial No. 498,367. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,827. FRESH VEGETABLES—NAMELY, TOMATOES. T. E. HOUGH, doing business as Hough Packed Produce, Harlingen, Tex.
Filed March 18, 1946. Serial No. 498,419. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,828. NUT CANDIES. HORACE J. MEYER, doing business as Blossom Acres Ranch, Paso Robles, Calif.
Filed March 18, 1946. Serial No. 498,434. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,829. CHILDREN'S PLAY CLOTHES, PRINCIPALLY OF COTTON AND RAYON AND MIXTURES OF COTTON, RAYON, AND WOOL—NAMELY, COVERALLS, AND JACKETS. NORTH SHORE MANUFACTURING COMPANY, Duluth, Minn.
Filed March 18, 1946. Serial No. 498,441. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,830. CHILDREN'S AND MISSES' DRESSES. JACK L. HONIG, INC., New York, N. Y.
Filed March 20, 1946. Serial No. 498,632. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,831. CERTAIN ARTICLES OF CLOTHING FOR WOMEN AND GIRLS—NAMELY, SLIPS, NIGHTGOWNS, AND PAJAMAS. JOSIE LINGERIE, A CORPORATION, New York, N. Y.
Filed March 20, 1946. Serial No. 498,634. PUBLISHED SEPTEMBER 3, 1946. Class 39.

425,832. WOMEN'S, GIRLS', AND CHILDREN'S SWEATERS. MILTON KATZ, doing business as Judith Ann Knitwear Co., Brooklyn, N. Y.
Filed March 21, 1946. Serial No. 498,703. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,833. DOG FOOD. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed March 21, 1946. Serial No. 498,713. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,834. CHEESE FOOD MIXTURE. SHEFFORD CHEESE COMPANY, INC., Green Bay, Wis., assignor to Standard Brands Incorporated, New York, N. Y.
Filed March 22, 1946. Serial No. 498,804. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,835. HAIR NETS. SITROUX INC., New York, N. Y.
Filed March 26, 1946. Serial No. 499,020. PUBLISHED SEPTEMBER 10, 1946. Class 39.

425,836. FISHING ROD CASES. SCIENTIFIC ANGLERS, INC., Midland, Mich.
Filed March 27, 1946. Serial No. 499,080. PUBLISHED SEPTEMBER 17, 1946. Class 22.

425,837. LADIES' AND KIDDIES' PANTIES AND BRIEFS. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa.
Filed March 28, 1946. Serial No. 499,105. PUBLISHED SEPTEMBER 3, 1946. Class 39.

425,838. MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS AND NIGHTSHIRTS. SLEEPWEAR, INC., New York, N. Y.
Filed April 1, 1946. Serial No. 499,439. PUBLISHED SEPTEMBER 17, 1946. Class 39.

425,839. CANNED VEGETABLES—NAMELY, SWEET PEAS, EARLY PEAS, SHOESTRING CARROTS, DICED CARROTS, WHOLE BEETS, CUT BEETS, DICED BEETS AND SHOESTRING BEETS. GREEN BAY CANNING CORPORATION, Green Bay, Wis.
Filed April 3, 1946. Serial No. 499,550. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,840. DRIED WHEY FOR USE IN POULTRY AND ANIMAL FEEDS. KRAFT FOODS COMPANY, Chicago, Ill.
Filed April 4, 1946. Serial No. 499,632. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,841. STABILIZING MATERIAL FOR USE IN SOUPS AND OTHER FOOD PRODUCTS. KRAFT FOODS COMPANY, Chicago, Ill.
Filed April 4, 1946. Serial No. 499,638. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,842. STOCK TANK HEATERS USING SOLID, LIQUID OR GASEOUS FUEL. THE MUNDIE MANUFACTURING COMPANY, Aurora, Ill.
Filed April 5, 1946. Serial No. 499,727. PUBLISHED SEPTEMBER 10, 1946. Class 34.

425,843. SWIVELS USED IN FISHING TACKLE. FISHMASTER SPORTING GOODS CO., Quincy, Mass.
Filed April 17, 1946. Serial No. 500,880. PUBLISHED SEPTEMBER 10, 1946. Class 22.

425,844. COMPOSITION INCLUDING A WATER SOLUBLE PLASTICIZING AGENT IN SOLID OR LIQUID FORM USED AS AN INGREDIENT FOR MASONRY MORTARS AND THE LIKE, ETC. THE MASTER BUILDERS COMPANY, Cleveland, Ohio.
Filed April 19, 1946. Serial No. 500,551. PUBLISHED SEPTEMBER 17, 1946. Class 12.

425,845. PORTLAND CEMENT. SAN ANTONIO PORTLAND CEMENT CO., San Antonio, Tex.
Filed April 22, 1946. Serial No. 500,703. PUBLISHED SEPTEMBER 17, 1946. Class 12.

425,846. WINDOW VENTILATORS. ALUMINUM PRODUCTS CO., San Francisco, Calif.
Filed April 23, 1946. Serial No. 500,721. PUBLISHED SEPTEMBER 17, 1946. Class 34.

425,847. GLASS, PLASTIC AND COMBINATIONS OF METAL AND GLASS AND/OR PLASTIC REFRACTORS AND REFLECTORS. HOLOPHANE COMPANY, INC., New York, N. Y.
Filed April 25, 1946. Serial No. 500,881. PUBLISHED SEPTEMBER 17, 1946. Class 34.

425,848. LEATHER GOODS— NAMELY, BRIEF CASES, PORTFOLIOS, TRAVELLING BAGS, SUIT CASES, MUSIC CASES, MUSIC SATCHELS, ETC. NEW REXBILT LEATHER GOODS CORPORATION, New York, N. Y.
Filed April 30, 1946. Serial No. 501,192. PUBLISHED SEPTEMBER 17, 1946. Class 3.

425,849. LEATHER GOODS—NAMELY, BRIEF CASES, PORTFOLIOS, TRAVELLING BAGS, SUIT CASES, MUSIC CASES, MUSIC SATCHELS, ETC. NEW REXBILT LEATHER GOODS CORPORATION, New York, N. Y.
Filed April 30, 1946. Serial No. 501,193. PUBLISHED SEPTEMBER 17, 1946. Class 3.

425,850. LAMP SHADES. ELCO LAMP & SHADE STUDIO, New York, N. Y.
Filed May 10, 1946. Serial No. 501,838. PUBLISHED SEPTEMBER 17, 1946. Class 34.

425,851. LAMP SHADES. ELCO LAMP & SHADE STUDIO, New York, N. Y.
Filed May 10, 1946. Serial No. 501,839. PUBLISHED SEPTEMBER 17, 1946. Class 34.

425,852. RUBBERIZED HOSPITAL SHEETING. STEDFAST RUBBER CO., INC., Mattapan, Mass.
Filed May 15, 1946. Serial No. 502,166. PUBLISHED SEPTEMBER 17, 1946. Class 44.

425,853. ICE CREAM FREEZER. MASTER INDUSTRIES, INC., New York, N. Y.
Filed May 18, 1946. Serial No. 502,385. PUBLISHED SEPTEMBER 10, 1946. Class 31.

425,854. AUTOMATIC STOKERS AND PARTS THEREOF. A. O. SMITH CORPORATION, Milwaukee, Wis.
Filed May 29, 1946. Serial No. 503,014. PUBLISHED SEPTEMBER 17, 1946. Class 34.

425,855. ICE CREAM FREEZER. MASTER INDUSTRIES, INC., New York, N. Y.
Filed June 5, 1946. Serial No. 503,305. PUBLISHED SEPTEMBER 17, 1946. Class 31.

425,856. DOLL CARRIAGES. SOPHIE C. SAWICKI, doing business as Plasticform Co., Brooklyn, N. Y.
Filed June 19, 1946. Serial No. 504,214. PUBLISHED SEPTEMBER 17, 1946. Class 22.

425,857. DOLLS AND DOLLS' CLOTHES. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed June 29, 1946. Serial No. 504,838. PUBLISHED SEPTEMBER 17, 1946. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

425,858. (CLASS 39. CLOTHING.) CHENEY BROTHERS, Manchester, Conn. Filed May 27, 1944. Serial No. 470,702.

American Game Fish

FOR NECKTIES.
Claims use since May 9, 1944.

425,859. (CLASS 39. CLOTHING.) CHENEY BROTHERS, Manchester, Conn. Filed May 27, 1944. Serial No. 470,703.

American Song Birds

FOR NECKTIES.
Claims use since May 9, 1944.

425,860. (CLASS 39. CLOTHING.) BRISTOL MANUFACTURING CORPORATION, Bristol, R. I. Filed July 22, 1944. Serial No. 472,501.

Warmeze

FOR FOOTWEAR LINED WITH SHEEPSKIN, HIGH PILE FABRIC OR SIMILAR MATERIAL.
Claims use since Aug. 28, 1943.

425,861. (CLASS 39. CLOTHING.) ROBERT LEAVITT, Brooklyn, N. Y. Filed Aug. 9, 1944. Serial No. 473,103.

Ashland

FOR MEN'S UNIFORMS FOR MILITARY USE.
Claims use since July 2, 1944.

425,862. (CLASS 38. PRINTS AND PUBLICATIONS.) FEDERATED RUSSIAN ORTHODOX CLUBS, Bridgeport, Conn. Filed Oct. 19, 1944. Serial No. 475,489.

THE RUSSIAN ORTHODOX JOURNAL

FOR A MONTHLY MAGAZINE.
Claims use since May 1927.

425,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OREGON FRUIT PRODUCTS CO., Salem, Oreg. Filed Oct. 23, 1944. Serial No. 475,630.

OREGON FRUIT PRODUCTS

FOR CANNED FRUITS, FRUIT PRESERVES, AND FRUIT JAMS.
Claims use since May 1, 1937.

425,864. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) VERNEY FABRICS CORPORATION, New York, N. Y. Filed Nov. 3, 1944. Serial No. 476,088.

MODERN *Fabric* COMPOSITIONS

FOR PIECE GOODS OF SYNTHETIC AND NATURAL FIBRES AND MIXTURES THEREOF, COMPRISING RAYON, COTTON, WOOL OR SILK.
Claims use since Oct. 15, 1944.

425,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASELE LOUIS ISENBERG, doing business as Standard Fish Co., Boston, Mass. Filed Nov. 11, 1944. Serial No. 476,365.

STANDARD BRAND

FOR FRESH AND FROZEN FISH.
Claims use since 1938.

425,866. (CLASS 39. CLOTHING.) MITCHELL & WEBER, INC., New York, N. Y. Filed Nov. 30, 1944. Serial No. 477,075.

Joan Kenley

FOR LADIES' AND MISSES' BLOUSES, DRESSES, HOUSECOATS, NEGLIGEES, SUITS, JACKETS, SKIRTS, PAJAMAS, CULOTTES, COATS, AND SLACKS.
Claims use since September 1936.

425,867. (CLASS 48. MALT BEVERAGES AND LIQUORS.) EMS BREWING CO., East St. Louis, Ill. Filed Mar. 24, 1945. Serial No. 481,276.

EMS SELECT BEER

The drawing is lined for shading purposes only.
FOR BEER.
Claims use since Mar. 1, 1945.

425,868. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES J. OIDTMANN, New York, N. Y. Filed June 20, 1945. Serial No. 484,795.

HY-A-ROMA

FOR FOOD FLAVORS, FOOD ESSENCES AND FOOD EXTRACTS, PARTICULARLY LIVE CULTURED BUTTER FLAVORS.
Claims use since June 4, 1945.

425,869. (CLASS 39. CLOTHING.) MOE FEINBERG AND MOE WIESEN, New York, N. Y. Filed June 27, 1945. Serial No. 485,078.

Bonnie Petite

FOR MISSES' DRESSES.
Claims use since June 1, 1945.

425,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAMSEY LABORATORIES, Cleveland, Ohio. Filed July 10, 1945. Serial No. 485,649.

RAMSEY

FOR HOT CHOCOLATE DAIRY FUDGE, A TOPPING FOR ICE CREAM OR FOOD; CHOCOLATE MARSHMALLOW BASE; MARSHMALLOW BASE PLAIN; CHOCOLATE SYRUP DOUBLE STRENGTH, A TOPPING FOR ICE CREAM OR FOOD; CHOCOLATE SYRUP SINGLE STRENGTH, A TOPPING FOR ICE CREAM OR FOOD; CHOCOLATE MILK POWDER; A SWEETENING AGENT FOR ICE CREAM OR FOOD; BUTTERSCOTCH SYRUP; UNWHIPPED MARSHMALLOW; CHOCOLATE DAIRY FUDGE, AN INGREDIENT FOR ICE CREAM OR FOOD; MARSHMALLOW; BUTTERSCOTCH DAIRY FUDGE, AN INGREDIENT FOR ICE CREAM OR FOOD.
Claims use since on or about Feb. 19, 1945, for hot chocolate dairy fudge; since on or about Feb. 3, 1944, for chocolate dairy fudge; since on or about Jan. 25, 1945, for butterscotch dairy fudge; since on or about Feb. 3, 1944, for chocolate marshmallow base; since on or about Feb. 26, 1944, for marshmallow base plain; since on or about Mar. 15, 1944, for chocolate syrup double strength; since on or about July 19, 1944, for chocolate syrup single strength; since on or about Apr. 20, 1944, for the sweetening agent; since on or about June 23, 1945, for chocolate milk powder; since on or about Apr. 18, 1944, for marshmallow; since on or about May 18, 1944, for unwhipped marshmallow; since on or about Apr. 11, 1945, for butterscotch syrup.

425,871. (CLASS 38. PRINTS AND PUBLICATIONS.) IRVING HOROWITZ, doing business under the name Electronic and Television News Letter, New York, N. Y. Filed July 28, 1945. Serial No. 486,414.

ELECTRONIC and TELEVISION NEWS LETTER

FOR A WEEKLY PUBLICATION.
Claims use since Apr. 16, 1945.

425,872. (CLASS 39. CLOTHING.) O'DONNELL SHOE CORPORATION, Humboldt, Tenn. Filed July 28, 1945. Serial No. 486,432.

Balanced Posture

FOR FOOTWEAR—NAMELY, SHOES OF LEATHER, RUBBER, FABRIC OR SYNTHETIC MATERIALS, OR COMBINATIONS OF SUCH MATERIALS.
Claims use since Dec. 11, 1944.

425,873. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM W. CEASE, doing business as Cease Commissary Service, Dunkirk, N. Y. Filed July 31, 1945. Serial No. 486,515.

"HEAT-N-EAT"

FOR FROZEN PIES.
Claims use since Apr. 25, 1945.

425,874. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. D. GARDNER, doing business as Arizona Dawn Ranch, Phoenix, Ariz. Filed Aug. 13, 1945. Serial No. 487,076.

ARIZONA GARDENS

Applicant is the owner of Reg. Nos. 403,180 and 408,028.
FOR FRESH CITRUS FRUIT, FRESH DATES AND GRAPES.
Claims use since July 21, 1945.

425,875. (CLASS 12. CONSTRUCTION MATERIALS.) PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex. Filed Aug. 17, 1945. Serial No. 487,201.

NO MUSS-NO FUSS-NO WORRY
A GOOD ROOF IN A HURRY!

FOR SEMI-LIQUID ROOF COATING PRODUCTS FOR ELIMINATING LEAKS IN ROOFS AND PRESERVING ROOFS—NAMELY, ASBESTOS ROOF COATING; PRIMERS—NAMELY, UNDERCOATERS OF PETROLEUM ASPHALT AND A VOLATILE THINNER, AND PLASTIC CEMENT, A PREPARATION CONTAINING ASPHALT, ASBESTOS, AND SLATE FLOUR.
Claims use since June 1945.

425,876. (CLASS 12. CONSTRUCTION MATERIALS.) MARINE STAMPING COMPANY, Brooklyn, N. Y. Filed Aug. 28, 1945. Serial No. 487,685.



FOR METAL WALL CLIPS.
Claims use since May 4, 1945.

425,877. (CLASS 12. CONSTRUCTION MATERIALS.) CRANDALL SUPPLY COMPANY, Ashtabula, Ohio. Filed Sept. 1, 1945. Serial No. 487,896.



FOR COMBINATION STORM WINDOWS, SCREENS, AND DOORS.
Claims use since Feb. 16, 1945.

425,878. (CLASS 39. CLOTHING.) ARTHUR WEISS & COMPANY, Chicago, Ill. Filed Sept. 1, 1945. Serial No. 487,924.

Arthur Weiss
MINIATURE

FOR MISSES' DRESSES.
Claims use since Aug. 23, 1945.

425,879. (CLASS 39. CLOTHING.) ALICE MIDDLETON McDOUGALL, Birmingham, Mich. Filed Sept. 4, 1945. Serial No. 487,957.

LONDON BOBBY CAPE



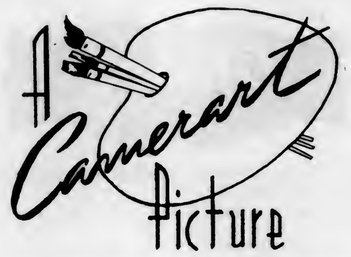
FOR RAIN CAPES.
Claims use since Aug. 10, 1945.

425,880. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARROTT & Co., Los Angeles, Calif. Filed Sept. 8, 1945. Serial No. 488,167.

SANDY POINT

FOR CANNED CLAMS.
Claims use since July 16, 1945.

425,881. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JOHN F. CRISWELL, North Hollywood, Calif. Filed Sept. 15, 1945. Serial No. 488,514.



FOR PHOTOGRAPHIC FILMS FOR STILL AND MOTION PICTURES.
Claims use since Feb. 9, 1942.

425,882. (CLASS 39. CLOTHING.) ALBERT, INC., Chicago, Ill. Filed Sept. 19, 1945. Serial No. 488,676.

Lady Arden

FOR WOMEN'S GARMENTS—NAMELY, SLIPS, NIGHTGOWNS, PAJAMAS, PANTIES, PETTICOATS, AND HOUSECOATS.
Claims use since Sept. 14, 1945.

425,883. (CLASS 39. CLOTHING.) ALBERT, INC., Chicago, Ill. Filed Sept. 19, 1945. Serial No. 488,678.

Varga

FOR WOMEN'S GARMENTS—NAMELY, SLIPS, NIGHTGOWNS, PAJAMAS, PANTIES, PETTICOATS, AND HOUSECOATS.
Claims use since Sept. 14, 1945.

425,884. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HEIDE-BABE PRODUCTS, Chicago, Ill. Filed Sept. 19, 1945. Serial No. 488,602.

FEED-A-BABE

FOR NURSING BOTTLE SUPPORTS MADE OF FABRIC.
Claims use since July 20, 1945.

425,885. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. H. SPIEGL, doing business as Spiegl Foods Company, Salinas, Calif. Filed Sept. 19, 1945. Serial No. 488,712.

STAY FRESH
BRAND

SPIEGL FOODS CO.

FOR FROZEN FRESH DECIDUOUS FRUITS AND VEGETABLES.
Claims use since Aug. 22, 1945.

425,886. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AUTOMATIC DRAFT & STOVE CO. INC., Lynchburg, Va. Filed Sept. 26, 1945. Serial No. 488,986.

LYNCHBURG

FOR WOOD BURNING STOVES, FOR HEATING AND COOKING PURPOSES.
Claims use since Sept. 7, 1945.

425,887. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATIONAL MINERAL COMPANY, also doing business as Helene Curtis Industries, Chicago, Ill., now by change of name to National Industries, Inc. Filed Oct. 1, 1945. Serial No. 489,234.

QUI-CURL

FOR PERMANENT HAIR WAVING SUPPLIES—NAMELY, SOLUTIONS AND LOTIONS USED IN PERMANENT HAIR WAVING PROCESSES.
Claims use since Sept. 15, 1945.

425,888. (CLASS 39. CLOTHING.) ERWIN MASSEY WILLIAMS, doing business as John-Massey Hosiery Company, Valdese, N. C. Filed Oct. 3, 1945. Serial No. 489,373.

Teens 'n Tots

FOR CHILDREN'S HOSIERY.
Claims use since Sept. 17, 1945.

425,889. (CLASS 39. CLOTHING.) SOL DISICK & COMPANY, New York, N. Y. Filed Oct. 18, 1945. Serial No. 490,106.

Original Sue Haviland Juniors

FOR LADIES' AND MISSES' DRESSES.
Claims use since Sept. 27, 1945.

425,890. (CLASS 39. CLOTHING.) CARL MONK, New York, N. Y. Filed Oct. 23, 1945. Serial No. 490,388.

CARL MONK CHILDREN'S ROOM

FOR CHILDREN'S DRESSES AND BLOUSES.
Claims use since Sept. 1, 1945.

425,891. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WOOD COMMODITIES CORPORATION, New York, N. Y. Filed Nov. 1, 1945. Serial No. 490,913.

STURDY STEED

FOR METAL BASED ROCKING HORSES.
Claims use since Sept. 26, 1945.

425,892. (CLASS 39. CLOTHING.) VARDEN DRESS CO., New York, N. Y., assignor to Varden Dress, Inc., New York, N. Y., a corporation of New York. Filed Nov. 5, 1945. Serial No. 491,143.

Varden Casuals
THE DRESSMAKER FIT

FOR MISSES' PETITE DRESSES.
Claims use since July 25, 1945.

425,893. (CLASS 39. CLOTHING.) VARDEN DRESS CO., New York, N. Y., assignor to Varden Dress, Inc., New York, N. Y., a corporation of New York. Filed Nov. 5, 1945. Serial No. 491,144.

Fivefive Shop

FOR MISSES' PETITE DRESSES.
Claims use since July 25, 1945.

425,894. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WESTERFIELD PHARMACAL CO., INC., Dayton, Ohio. Filed Nov. 6, 1945. Serial No. 491,183.

Glukoz

FOR CHEMICAL TEST SETS FOR DETECTING GLUCOSE IN THE URINE.
Claims use since Aug. 1, 1945.

425,895. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL LEAGUE OF WHOLESALE FRESH FRUIT, AND VEGETABLE DISTRIBUTORS, Washington, D. C. Filed Nov. 9, 1945. Serial No. 491,351.

The Fruit and Vegetable Distributor

FOR A PUBLICATION PUBLISHED FROM TIME TO TIME.
Claims use since Oct. 6, 1945.

425,896. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WOODROW W. SHRYOCK, doing business as Shryock's Jewelers, Malvern, Ark. Filed Nov. 9, 1945. Serial No. 491,370.

Shryock's JEWELERS

FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES, SILVERWARE, CONSISTING OF STERLING SILVER AND/OR SILVER-PLATED FLATWARE OR HOLLOW WARE AND CIGARETTE CASES MADE OF PRECIOUS METAL.
Claims use since July 1, 1944.

425,897. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) JOHN FLYNN & SONS, INC., Salem, Mass. Filed Nov. 29, 1945. Serial No. 492,373.

Flynntan

FOR LEATHER.
Claims use since Sept. 27, 1945.

425,898. (CLASS 39. CLOTHING.) HERMAN F. GOLDSTEIN, Griffin, Ga. Filed Dec. 3, 1945. Serial No. 492,557.

Frances Lynn

FOR WOMEN'S BRASSIÈRES, SLIPS, AND PANTIES.
Claims use since Sept. 5, 1945.

425,899. (CLASS 38. PRINTS AND PUBLICATIONS.) FARM IMPLEMENT NEWS COMPANY, Chicago, Ill. Filed Dec. 8, 1945. Serial No. 492,911.

THE TRACTOR FIELD BOOK

FOR PERIODICAL PUBLICATIONS.
Claims use since 1916.

425,900. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) NORMAN E. KANTOR, doing business as Junior Bridge Co., New York, N. Y. Filed Dec. 8, 1945. Serial No. 492,924.

LIFT-A-CIG

FOR CIGARETTE SERVERS.
Claims use since September 1940.

425,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHRODE-NELSON PRODUCE CO., Goleta, Calif. Filed Dec. 14, 1945. Serial No. 493,293.

BARBARA COAST

FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since Oct. 1, 1943.

425,902. (CLASS 32. FURNITURE AND UPHOLSTERY.) R. PAGANO SONS, INC., Brooklyn, N. Y. Filed Dec. 15, 1945. Serial No. 493,391.

GENOVA

FOR DRESSERS, BEDS, DIVANS, CHAIRS, SOFAS, DRUM AND END TABLES, DINING ROOM AND KITCHEN TABLES.
Claims use since 1941.

425,903. (CLASS 39. CLOTHING.) ISRAEL MYERS, Baltimore, Md. Filed Jan. 3, 1946. Serial No. 494,228.

Londontown

FOR MEN'S AND YOUTHS' CLOTHING, SUITS, COATS, PANTS, VESTS, TOPCOATS AND OVERCOATS.
Claims use since Aug. 25, 1920.

425,904. (CLASS 39. CLOTHING.) ROSE LASH, New York, N. Y. Filed Jan. 5, 1946. Serial No. 494,338.

A ROSE LASH ORIGINAL

FOR WOMEN'S, MISSES' AND GIRLS' BLOUSES, BATHING SUITS, DRESSES, COATS, RAINCOATS, PLAYSUITS, SHORTS, SKIRTS, HOUSECOATS, ROBES, HATS, SLACKS, PINAFORES, PAJAMAS, UNDERWEAR, SLIPS, AND NIGHTGOWNS.
Claims use since 1925.

425,905. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE L. C. SMITH GUN COMPANY, INCORPORATED, Fulton, N. Y. Filed Jan. 14, 1946. Serial No. 494,761.

FULTON

FOR GUNS AND PARTS THEREOF.
Claims use since 1920.

425,906. (CLASS 39. CLOTHING.) LINDA DRESS MANUFACTURING CORPORATION, Boston, Mass. Filed Jan. 29, 1946. Serial No. 495,614.

Ann Greenwell

FOR DRESSES, BLOUSES, SKIRTS, SUITS, AND COATS, FOR WOMEN, MISSES, JUNIORS, AND CHILDREN.
Claims use since Aug. 28, 1945.

425,907. (CLASS 39. CLOTHING.) PETER PAN MANUFACTURING CO., Boston, Mass. Filed Feb. 7, 1946. Serial No. 496,150.

"THE LITTLE ONE'S OWN CHOICE"

FOR INFANTS' AND CHILDREN'S OVERALLS, COVERALLS, "CRAWLERS," AND PLAYSUITS.
Claims use since Aug. 12, 1941.

425,908. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) SIDNEY R. PINE, doing business as Handi Company, Newark, N. J. Filed Feb. 16. 1946. Serial No. 496,730.

HANDI-PIN

FOR PLASTIC CLOTHESPINS.
Claims use since December 1944.

425,909. (CLASS 37. PAPER AND STATIONERY.) MANETTE COMPANY, Minneapolis, Minn. Filed Feb. 18, 1946. Serial No. 496,850.

Sachet

FOR WRITING PAPER AND ENVELOPES.
Claims use since Sept. 29, 1944.

425,910. (CLASS 39. CLOTHING.) MARJO NOVELTIES CO., also doing business as Marjo, New York, N. Y. Filed Feb. 23, 1946. Serial No. 497,113.



The drawing is lined to represent green color.
FOR SLIPPERS MADE OF LEATHER, FABRIC AND COMBINATIONS OF SAID MATERIALS.
Claims use since Apr. 1, 1945.

425,911. (CLASS 39. CLOTHING.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Feb. 27, 1946. Serial No. 497,329.

FIFTH AVE. Designers GROUP

FOR WOMEN'S HATS, DRESSES, COATS, UNDERWEAR, SWEATERS, JACKETS, AND UNDER AND OUTER SKIRTS.
Claims use since Jan. 28, 1943.

425,912. (CLASS 39. CLOTHING.) LEWIS BLUMENFIELD, doing business as La Salle Neckwear Co., Philadelphia, Pa. Filed Mar. 6, 1946. Serial No. 497,696.

London Beau

FOR NECKTIES.
Claims use since 1934.

425,913. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARD C. WELLS, doing business as Wells Publishing Company, Jersey City, N. J. Filed Mar. 7, 1946. Serial No. 497,829.

WELLS PUBLISHING COMPANY

FOR BOOKS AND BOOKLETS PRINTED AT IRREGULAR INTERVALS.
Claims use since June 1930.

425,914. (CLASS 39. CLOTHING.) R. LOWENBAUM MANUFACTURING COMPANY, St. Louis, Mo. Filed Mar. 9, 1946. Serial No. 497,944.



FOR MISSES' AND JUNIORS' DRESSES.
Claims use since Dec. 10, 1941.

425,915. (CLASS 39. CLOTHING.) HORNER JUNIORS, New York, N. Y. Filed Mar. 19, 1946. Serial No. 498,522.

HORNER JUNIORS

FOR WOMEN'S, MISSES', AND JUNIOR DRESSES AND BLOUSES.
Claims use since June 4, 1945.

425,916. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TU-WAY CHEMICAL COMPANY, Astoria, N. Y. Filed Mar. 19, 1946. Serial No. 498,550.

TU-WAY

FOR FURNITURE POLISH.
Claims use since Feb. 20, 1945.

425,917. (CLASS 39. CLOTHING.) EILEEN-JOY FASHIONS, New York, N. Y., assignee to Eileen-Joy Fashions, Inc., New York, N. Y., a corporation of New York. Filed Apr. 20, 1946. Serial No. 500,610.

Eileen-Joy

FOR LADIES' AND MISSES' DRESSES, SUN DRESSES, JACKETS, AND SUITS.
Claims use since January 1937.

425,918. (CLASS 39. CLOTHING.) DOBSON HOSIERY MILLS, Pulaski, Va. Filed Apr. 23, 1946. Serial No. 500,743.



The portrait shown of a baby is fanciful.
FOR HOSIERY FOR INFANTS.
Claims use since Sept. 20, 1943.

425,919. (CLASS 38. PRINTS AND PUBLICATIONS.) BILBARA PUBLISHING COMPANY, INC., New York, N. Y. Filed Apr. 30, 1946. Serial No. 501,159.

Movie Digest

FOR A CONDENSED ILLUSTRATED MAGAZINE RELATING TO MOVIE STARS.
Claims use since Oct. 9, 1945.

425,920. (CLASS 39. CLOTHING.) HESS BROTHERS, Allentown, Pa. Filed May 1, 1946. Serial No. 501,251.

Pat Allen

FOR WOMEN'S, MISSES', AND CHILDREN'S COATS, RAINCOATS, DRESSES, SKIRTS, BLOUSES, JACKETS, SWEATERS, AND SLACKS.
Claims use since Sept. 24, 1945.

425,921. (CLASS 39. CLOTHING.) MIDDENDORF BROTHERS, Philadelphia, Pa. Filed May 6, 1946. Serial No. 501,520.

Slender-Style

FOR WOMEN'S NIGHTGOWNS, SLIPS, PAJAMAS, AND PANTIES.
Claims use since Apr. 24, 1945.

425,922. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SATURDAY REVIEW ASSOCIATES, INC., New York, N. Y. Filed May 11, 1946. Serial No. 501,929.

The Saturday Review
of LITERATURE

FOR A MAGAZINE.
Claims use since Aug. 1, 1924.

425,923. (CLASS 39. CLOTHING.) GILBERT-HARRIS CORP., South Norwalk, Conn., and New York, N. Y. Filed May 27, 1946. Serial No. 502,819.

GAIL O'HARA

FOR MISSES' AND JUNIOR MISSES' COATS, SUITS, COAT AND SUIT ENSEMBLES, AND JACKETS.
Claims use since Apr. 24, 1945.

425,924. (CLASS 39. CLOTHING.) HAROLD KOLBERT & CO., INC., New York, N. Y. Filed May 27, 1946. Serial No. 502,827.

Kolbert exclusives

FOR MISSES' AND JUNIOR MISSES' COATS, SUITS, COAT AND SUIT ENSEMBLES, AND JACKETS.
Claims use since Jan. 2, 1906.

TRADE-MARK REGISTRATIONS RENEWED

53,523. **MANSON TAPE.** ADHESIVE TAPE. Registered June 5, 1906. THE OKONITE COMPANY, LIMITED, New York, N. Y. Re-renewed June 5, 1946, to The Okonite Company, Passaic, N. J., a corporation of New Jersey. Classes 5 and 21.

54,216. **VIROL.** FOOD PREPARATION OF BONE-MARROW AND MALT. Registered June 19, 1906. VIROL, LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Re-renewed June 19, 1946. Class 46.

55,208. **REPRESENTATION OF A RED CROSS.** DENTAL ABSORBENTS. Registered Aug. 7, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Re-renewed Aug. 7, 1946. Class 44.

55,361. **"BLUE BOND" ETC.** WRITING-PAPERS. Registered Aug. 14, 1906. S. E. & M. VERNON INC., New York, N. Y., a corporation of New York. Re-renewed Aug. 14, 1946. Class 37.

55,858. **"PABST" ETC. AND DESIGN.** BEER. Registered Aug. 21, 1906. PABST BREWING COMPANY, Milwaukee, Wis. Re-renewed Aug. 21, 1946, to Pabst Brewing Company, Chicago, Ill., a corporation of Delaware. Class 48.

56,288. **BELLEVIEW.** SURGICAL DRESSINGS. Registered Sept. 4, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Re-renewed Sept. 4, 1946. Class 44.

56,401. **PETERMAN'S DISCOVERY.** INSECTICIDES. Registered Sept. 18, 1906. WILLIAM PETERMAN, New York, N. Y. Re-renewed Sept. 18, 1946, to William Peterman, Inc., Newark, N. J., a corporation of Delaware. Class 6.

56,597. **REPRESENTATION OF A HORSE IN A BLANKET.** HORSE-BLANKETS. Registered Oct. 9, 1906. WILLIAM AYRES & SONS. Re-renewed Oct. 9, 1946, to William Ayres & Sons, Philadelphia, Pa., a firm. Class 3.

57,226. **"RED, WHITE AND BLUE" ETC. AND DESIGN.** BEER. Registered Nov. 6, 1906. PABST BREWING COMPANY, Milwaukee, Wis. Re-renewed Nov. 6, 1946, to Pabst Brewing Company, Chicago, Ill., a corporation of Delaware. Class 48.

57,369. **PICTURE OF A BOATMAN.** SOAP. Registered Nov. 13, 1906. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Re-renewed Nov. 13, 1946. Class 4.

57,376. **A CIRCULAR DESIGN.** COTTON THREAD. Registered Nov. 13, 1906. THE CLARK MILE-END SPOOL COTTON CO., East Newark, N. J. Re-renewed Nov. 13, 1946, to The Clark Thread Company, Newark, N. J., a corporation of New Jersey. Class 43.

57,399. **"MONKEY BRAND" AND DRAWING.** SOAP. Registered Nov. 13, 1906. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Re-renewed Nov. 13, 1946. Class 4.

57,404. **"STEADFAST" ETC. AND DRAWING.** LEATHER SHOES. Registered Nov. 13, 1906. SMITH-BRISCOE SHOE COMPANY INC., Lynchburg, Va. Re-renewed Nov. 13, 1946, to Owen W. Metzger, doing business as Wetherhold & Metzger, Allentown, Pa. Class 39.

57,430. **PICTURE OF TWO COLORED BOYS.** WASHING-POWDER. Registered Nov. 13, 1906. THE N. K. FAIRBANK COMPANY, Chicago, Ill. Re-renewed Nov. 13, 1946, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

57,536. **"SWAN" AND DRAWING.** SOAP. Registered Nov. 13, 1906. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Re-renewed Nov. 13, 1946. Class 4.

57,630. **"BILTRITE" AND DRAWING.** WOMEN'S LEATHER SHOES. Registered Nov. 20, 1906. SMITH-BRISCOE SHOE COMPANY INC., Lynchburg, Va. Re-renewed Nov. 20, 1946, to Owen W. Metzger, doing business as Wetherhold & Metzger, Allentown, Pa. Class 39.

57,713. **"LIFEBUOY" AND DESIGN.** SOAP. Registered Nov. 27, 1906. LEVER BROTHERS COMPANY, Portland, Maine, and Cambridge, Mass. Re-renewed Nov. 27, 1946, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

57,777. **A CIRCULAR DESIGN WITH PANEL.** COTTON THREAD, INCLUDING SPOOL-COTTON, DARNING, AND CROCHET COTTON. Registered Nov. 27, 1906. THE CLARK THREAD COMPANY, Newark, N. J., a corporation of New Jersey. Re-renewed Nov. 27, 1946. Class 43.

57,999. **"PABST BLUE RIBBON" AND DESIGN.** BEER. Registered Dec. 4, 1906. PABST BREWING COMPANY, Milwaukee, Wis. Re-renewed Dec. 4, 1946, to Pabst Brewing Company, Chicago, Ill., a corporation of Delaware. Class 48.

58,091. **REPRESENTATION OF AN ANCHOR.** FLOWERS OF SULFUR. Registered Dec. 4, 1906. THE SAN FRANCISCO SULPHUR COMPANY. Re-renewed Dec. 4, 1946, to Stauffer Chemical Company, San Francisco, Calif., a corporation of California. Class 6.

58,092. **PICTURE OF A TIGER.** SULFUR. Registered Dec. 4, 1906. THE SAN FRANCISCO SULPHUR COMPANY. Re-renewed Dec. 4, 1946, to Stauffer Chemical Company, San Francisco, Calif., a corporation of California. Class 6.

58,191. **MONEL METAL.** METAL ALLOY CONTAINING NICKEL AND COPPER. Registered Dec. 11, 1906. INTERNATIONAL NICKEL COMPANY, Constable Hook, N. J. Re-renewed Dec. 11, 1946, to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware. Class 14.

58,227. **E-Z.** AXES, AUGER-BITS, FILES, SAWS, CHOPPERS, SHEARS, POCKET-KNIVES, SCYTHES, BUTCHER-KNIVES, HAM-SLICERS, RAZORS, AND SHAVERS. Registered Dec. 11, 1906. GELLER, WARD & HASNER HDW. CO. Re-renewed Dec. 11, 1946, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. Class 23.

58,234. **"KEEN KUTTER" AND DESIGN.** MINCING-KNIVES, CHOPPERS, CLEAVERS, BUTCHERS' KNIVES, TABLE-KNIVES, FORKS, AND CARVERS. Registered Dec. 11, 1906. SIMMONS HARDWARE COMPANY. Re-renewed Dec. 11, 1946, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri. Class 23.

58,444. **MONEL METAL.** CULINARY VESSELS MADE OF AN ALLOY CONTAINING NICKEL AND COPPER. Registered Dec. 18, 1906. INTERNATIONAL NICKEL COMPANY, Constable Hook, N. J. Re-renewed Dec. 18, 1946, to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware. Class 13.

58,464. **WELCOME.** SOAP. Registered Dec. 18, 1906. LEVER BROTHERS COMPANY, Portland, Maine, and Cambridge, Mass. Re-renewed Dec. 18, 1946, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

58,465. **SUNLIGHT.** SOAP. Registered Dec. 18, 1906. LEVER BROTHERS COMPANY, Portland, Maine, and Cambridge, Mass. Re-renewed Dec. 18, 1946, to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Class 4.

58,497. **MURPHY'S.** VARNISHES AND PRIMING USED AS COATING AND PREPARING MATERIAL. Registered Dec. 18, 1906. MURPHY VARNISH COMPANY, Newark, N. J. Re-renewed Dec. 18, 1946, to Interchemical Corporation, New York, N. Y., a corporation of Ohio. Class 16.

58,620. **"THE AULT & WIBORG CO." ETC. AND DESIGN.** PRINTING-INKS. Registered Dec. 18, 1906. THE AULT & WIBORG CO., Cincinnati, Ohio. Re-renewed Dec. 18, 1946, to Interchemical Corporation, New York, N. Y., a corporation of Ohio. Class 11.

61,674. **ROYAL.** TYPE-WRITTING MACHINES. Registered Apr. 2, 1907. ROYAL TYPEWRITER CO., Hoboken, N. J. Re-renewed Apr. 2, 1947, to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York. Class 23.

209,453. **OZARK BEAUTY.** SIRUP FOR TABLE PURPOSES, COFFEE, AND COCOA. Registered Feb. 23, 1926. BURROW WHOLESALE GROCER CO., Pocahontas, Ark. Renewed Feb. 23, 1946, to J. C. Price, Jacksonville, Ark. Class 46.

211,648. **ACE.** STEAM TRAPS. Registered Apr. 13, 1926. THE W. B. CONNOR CO. INC. Renewed Apr. 13, 1946, to W. B. Connor Engineering Corp., New York, N. Y., a corporation of New York. Class 13.

213,573. **PETER PIPER.** TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS. Registered June 1, 1926. MARECHAL RUCHON & Co., LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed June 1, 1946. Class 8.

214,666. **REPRESENTATION OF A STAR.** TOBACCO PIPES. Registered June 29, 1926. A. OPPENHEIMER & CO. Renewed June 29, 1946, to Oppenheimer Pipes Limited, London, England, a corporation of Great Britain and Northern Ireland. Class 8.

214,863. **"FLYOSAN" AND DESIGN.** HAND SPRAYERS. Registered July 6, 1926. COLONIAL CHEMICAL CORPORATION, Reading, Pa. Renewed July 6, 1946, to William Peterman, Inc., Newark, N. J., a corporation of Delaware. Class 23.

215,212. **"PROTEX".** LIGHTNING ARRESTERS. Registered July 13, 1926. ELECTRIC SERVICE SUPPLIES COMPANY. Renewed July 13, 1946, to Electric Service Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania. Class 21.

215,755. **ROAN.** MEN'S SUITS AND COATS. Registered July 27, 1926. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed July 27, 1946. Class 39.

215,984. **VANLAC.** LACQUERS. Registered Aug. 3, 1926. VAN CAMP HARDWARE & IRON CO., Indianapolis, Ind., a corporation of Indiana. Renewed Aug. 3, 1946. Class 16.

216,183. **SPOKESMAN.** WHEAT FLOUR. Registered Aug. 3, 1926. ISMERT-HINCKE MILLING COMPANY, Kansas City, Kans., and Kansas City, Mo. Renewed Aug. 3, 1946, to The Ismert-Hincke Milling Company, Kansas City, Mo., a corporation of Kansas. Class 46.

216,196. **"H-C" AND DESIGN.** GASOLINE. Registered Aug. 3, 1926. SINCLAIR REFINING COMPANY, New York, N. Y., a corporation of Maine. Renewed Aug. 3, 1946. Class 15.

216,380. **"H-C" AND DESIGN.** GASOLINE. Registered Aug 10, 1926. SINCLAIR REFINING COMPANY, New York, N. Y., a corporation of Maine. Renewed Aug. 10, 1946. Class 15.

216,588. **"AIRPLANE" ETC. AND DESIGN.** GASOLINE. Registered Aug. 17, 1926. GOODWIN BROTHERS AUTOMOBILE COMPANY, New Castle, Ind. Renewed Aug. 17, 1946, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

216,601. **REPRESENTATION OF AN OIL DRUM COLORED GREEN, RED AND WHITE.** PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS. Registered Aug. 17, 1926. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Renewed Aug. 17, 1946, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

217,345. **MARVELITE.** THERAPEUTIC LAMPS. Registered Aug. 31, 1926. EASTERN LABORATORIES, INC., New York, N. Y., a corporation of New York. Renewed Aug. 31, 1946. Class 21.

218,500. **"JOHNSON'S" ETC. AND DESIGN.** DRESSING FOR BURNS, SCALDS, AND SUNBURN AND LIKE USES. Registered Sept. 28, 1926. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Renewed Sept. 28, 1946. Class 6.

218,636. **ROYAL.** BLANK BOOKS COMPRISING ACCOUNT BOOKS, MEMORANDUM BOOKS, COMPOSITION BOOKS, NOTEBOOKS, LOOSE-LEAF BINDERS, AND EXERCISE BOOKS. Registered Sept. 28, 1926. S. E. & M. Vernon Inc., New York, N. Y., a corporation of New York. Renewed Sept. 28, 1946. Class 37.

219,091. **DURATEX.** ADVERTISING SIGNS WHICH ARE PRINTED, LITHOGRAPHED, PAINTED, STAMPED, OR MARKED ON SHEET CARDBOARD. Registered Oct. 12, 1926. THE MASSILLON-CLEVELAND-AKRON SIGN COMPANY, Massillon, Ohio, a corporation of Ohio. Renewed Oct. 12, 1946. Class 38.

219,670. **RA-O-MIST.** LIQUID SPRAY USED AS AN INSECTICIDE AND GERMICIDE FOR KILLING FLIES, MOTHS, FLEAS, MOSQUITOES, ANTS, ROACHES, BEDBUGS, AND OTHER HOUSEHOLD INSECTS AND THE LARVAE AND EGGS OF SOME INSECTS. Registered Oct. 19, 1926. Van Camp Hardware & Iron Co., Indianapolis, Ind., a corporation of Indiana. Renewed Oct. 19, 1946. Class 6.

219,847. **REPRESENTATION OF AN OIL DRUM COLORED GREEN, BLACK AND ORANGE.** PETROLEUM PRODUCTS, PARTICULARLY LUBRICATING OILS. Registered Oct. 26, 1926. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Renewed Oct. 26, 1946, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

219,857. **HAZEL.** MEN'S SUITS AND COATS. Registered Oct. 26, 1926. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed Oct. 26, 1946. Class 39.

219,916. **WHITE SEAL.** WOOD ROLLS USED IN THE TEXTILE AND PAPER INDUSTRIES. Registered Oct. 26, 1926. RODNEY HUNT MACHINE COMPANY, Orange, Mass., a corporation of Massachusetts. Renewed Oct. 26, 1946. Class 23.

219,984. **"BOB WHITE" AND DRAWING.** TABLETS, COMPOSITION BOOKS, AND SCHOOL PAPER. Registered Oct. 26, 1926. THE OLD DOMINION PAPER COMPANY, Norfolk, Va., a corporation of Virginia. Renewed Oct. 26, 1946. Class 37.

220,289. **TRU-TONE.** CRAYONS. Registered Nov. 9, 1926. MILTON BRADLEY COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed Nov. 9, 1946. Class 37.

220,573. **MOUNTAIN BOY.** FRESH DECIDUOUS FRUITS—NAMELY, APPLES, PEACHES. Registered Nov. 9, 1926. YUCAIPA VALLEY FRUIT CO. Renewed Nov. 9, 1946, to Yucaipa Farmers Cooperative, Yucaipa, Calif., a corporation of California. Class 46.

220,749. **COPPER QUEEN.** RUBBER AND CANVAS BELTING, HOSE, AND PACKING. Registered Nov. 16, 1926. PIONEER RUBBER MILLS, San Francisco, Calif., a corporation of California. Renewed Nov. 16, 1946. Class 35.

220,759. **TAY BLUE.** MEN'S SUITS AND COATS. Registered Nov. 16, 1926. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed Nov. 16, 1946. Class 39.

220,810. **CHEREBENE.** COUGH SIRUP. Registered Nov. 16, 1926. THE E. L. PATCH COMPANY, Stoneham, Mass., a corporation of Massachusetts. Renewed Nov. 16, 1946. Class 6.

220,868. **WASP.** INTERNAL-COMBUSTION ENGINES AND THEIR PARTS. Registered Nov. 16, 1926. THE PRATT & WHITNEY AIRCRAFT COMPANY, Hartford, Conn. Renewed Nov. 16, 1946, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware. Class 23.

221,025. **MOUNTAIN BLUE.** MEN'S SUITS AND COATS. Registered Nov. 23, 1926. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed Nov. 23, 1946. Class 39.

221,353. **"PENNANT" AND DRAWING.** LUBRICATING OILS AND GREASES AND GASOLINE. Registered Nov. 30, 1926. PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Renewed Nov. 30, 1946, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

221,377. **MONOPHONE.** AUTOMATIC TELEPHONE SETS. Registered Nov. 30, 1926. AUTOMATIC ELECTRIC INC. Renewed Nov. 30, 1946, to Automatic Electric Company, Chicago, Ill., a corporation of Delaware. Class 21.

221,383. **"DECIDEDLY THOMPSON".** MEN'S SHOES MADE WHOLLY OR IN PART OF LEATHER AND FABRICS. Registered Nov. 30, 1926. THOMPSON BROS. SHOE Co., Brockton, Mass., a corporation of Massachusetts. Renewed Nov. 30, 1946. Class 39.

221,603. **CALEDONIAN CRASHES.** MEN'S SUITS AND COATS. Registered Dec. 7, 1926. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed Dec. 7, 1946. Class 39.

221,606. **CURTISTRIP.** CONDUITS, SWIVEL JOINTS, AND CONTINUOUS CONNECTER JOINTS THEREFOR FOR USE IN CONNECTION WITH AN ELECTRIC-LIGHT INSTALLATION UNIT. Registered Dec. 7, 1926. CURTIS LIGHTING INCORPORATED, Chicago, Ill., a corporation of Illinois. Renewed Dec. 7, 1946. Class 21.

221,672. **PAMILO.** CORSETS AND HOSIERY. Registered Dec. 7, 1926. THE PARIS COMPANY, Salt Lake City, Utah, a corporation of Utah. Renewed Dec. 7, 1946. Class 39.

221,813. **VENCEDOR.** SOAP. Registered Dec. 14, 1926. LEVER BROTHERS COMPANY, Cambridge, Mass., a corporation of Maine. Renewed Dec. 14, 1946. Class 4.

221,992. **PARISIAN.** SHOE DRESSING. Registered Dec. 21, 1926. GRIFFIN M'F'G. Co., INC., New York, N. Y. Renewed Dec. 21, 1946, to Griffin Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York. Class 4.

222,008. **PEMCO.** AUGER BITS, CARPENTERS' BIT BRACES, HACK SAWS, HACK-SAW FRAMES, PUTTY KNIVES, SAWS, HAMMERS, HATCHETS, PLIERS, CAN OPENERS, EGG BEATERS, KNIVES—BUTCHERS', POCKET, COOK, BREAD, AND PARING—MADE OF STEEL; SCISSORS. Registered Dec. 21, 1926. PECK & MACK Co., New York, N. Y., a corporation of New York. Renewed Dec. 21, 1946. Class 23.

222,019. **"KENTUCKY CARDINAL" AND DRAWING.** HOSIERY. Registered Dec. 21, 1926. ADES-LEXINGTON DRY GOODS Co., Lexington, Ky., a corporation of Kentucky. Renewed Dec. 21, 1946. Class 39.

222,023. **THE CAPE CODDER.** PERIODICAL PUBLICATIONS. Registered Dec. 21, 1926. ARTHUR A. WILLIAMS, Holliston, Mass. Renewed Dec. 21, 1946. Class 38.

222,034. **LOTION CREAM.** SHOE DRESSING. Registered Dec. 21, 1926. GRIFFIN M'F'G. Co., INC., New York, N. Y. Renewed Dec. 21, 1946, to Griffin Manufacturing Co. Inc., Brooklyn, N. Y., a corporation of New York. Class 4.

222,067. **CRODON.** SMALL STEEL PARTS, STEEL SHEETS, BRASS SHEETS, COPPER SHEETS, CAST IRON, WIRE (GENERAL), ALL COATED WITH METAL. Registered Dec. 21, 1926. CHEMICAL TREATMENT COMPANY INC., assignor to Chromium Corporation of America. Renewed Dec. 21, 1946, to Chromium Corporation of America, New York, N. Y., a corporation of Delaware. Class 14.

222,107. **FIT-EZ.** UNION SUITS OF BOTH KNITTED AND TEXTILE FABRIC. Registered Dec. 21, 1926. E.-Z. WAIST COMPANY. Renewed Dec. 21, 1946, to E-Z Mills, Inc., New York, N. Y., a corporation of New York. Class 39.

222,109. **"DUXBAK" AND DESIGN.** SHOE SOLES. Registered Dec. 21, 1926. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed Dec. 21, 1946. Class 39.

222,564. **CAMAY.** TOILET AND BATH SOAP. Registered Jan. 4, 1927. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Jan. 4, 1947. Class 4.

REISSUES

DECEMBER 3, 1946

22,812
PLASTICIZATION OF PLASTICS

John D. Jenkins, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Original No. 2,385,920, dated October 2, 1945, Serial No. 423,624, December 19, 1941. Application for reissue September 27, 1946, Serial No. 699,646

9 Claims. (Cl. 117—161)

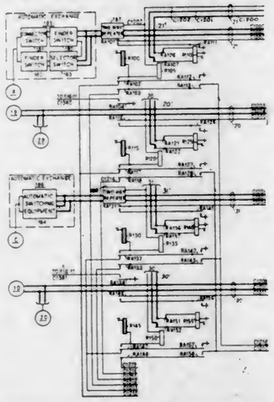
5. A method of coating a surface which comprises applying thereto a film of a coating composition comprising a finely pulverulent thermoplastic organic plastic, a volatile liquid which is a non-solvent for the plastic in which the particles of the plastic are suspended and a permanent, compatible plasticizer for the plastic dissolved in said liquid, said plasticizer being present in substantial amount but less than an amount at which said plastic tends strongly to gel in said liquid non-solvent.

22,813
TELEPHONE SYSTEM

Frank Kessler, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

Original No. 2,177,069, dated October 24, 1939, Serial No. 188,443, February 3, 1938. Application for reissue January 25, 1943, Serial No. 473,545

38 Claims. (Cl. 179—18)



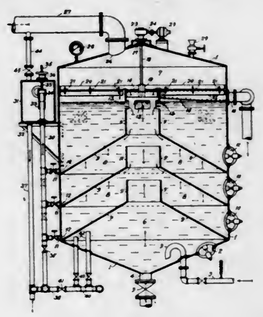
1. In a telephone system, a group of lines, said group of lines being divided into two subgroups comprising even and odd lines, respectively, a finder switch having access to said group of lines and operative to select a line therefrom, a group of unit relays and a subgroup relay in said finder switch, each of said unit relays being operative to select a corresponding line from each of said subgroups depending upon the operated or non-operated condition of said subgroup relay, means responsive to the initiation of a call on an even line for causing the operation of the corresponding unit relay and said subgroup relay, thereby to select said even calling line, and means responsive to the initiation of a call on an odd line for causing the operation of the corresponding unit relay without casing the operation of said subgroup relay, thereby to select said odd calling line.

22,814
APPARATUS FOR CONTINUOUS CLARIFICATION

José Ramón Osuna, Marianao, Cuba

Original No. 2,307,154, dated January 5, 1943, Serial No. 401,824, July 10, 1941. Application for reissue December 3, 1943, Serial No. 512,761. In Cuba July 30, 1940

7 Claims. (Cl. 127—13)



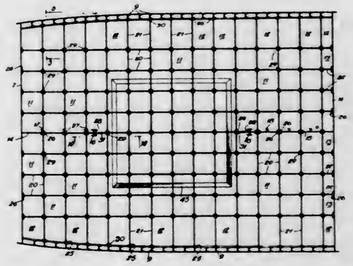
1. An apparatus for continuous clarification, comprising a cylindrical tank divided by means of trays of frustro-conical shape sloping from the middle portion to the periphery in an upper chamber for sludge separation, a lower liquid entering and initial flocculation chamber, and a plurality of intermediate compartments for additional clarification upwards, a feed tube for the liquid to be clarified in the lower chamber, said trays having a large opening at the center of their upper portion from the edge of which rises a cylindrical tube, a sludge discharge tube above the liquid level in the upper chamber means for maintaining reduced pressure in the tank, and tubes for withdrawal of clarified liquid at a point of the lowest zone of each compartment.

22,815
CARGO SHIP CONSTRUCTION

Peter Thompson, New Orleans, La.

Original No. 2,364,928, dated December 12, 1944, Serial No. 507,377, October 23, 1943. Application for reissue November 26, 1945, Serial No. 630,954

29 Claims. (Cl. 114—125)



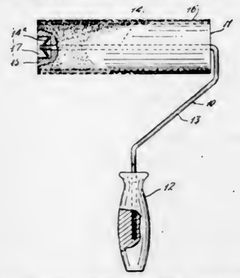
25. In a ship cargo hold, a water ballast compartment structure comprising a multiple num-

ber of assembly units of swash plate members, the members of an assembly unit being pivotally fastened together for relative collapsing movements to positions substantially parallel and close to each other for storage and for relative unfolding movements to water ballast compartment forming positions, said assembly units being movably mounted for ready movements to storage positions close to vertical frame structures of the hold and from storage positions to water ballast functioning positions, certain of said members being roller supported during movement of the assembly units from one position to the other, and when in water ballast compartment functioning positions certain of the plate members being disposed athwart ship and detachably fastened to vertical frame structures and certain of them being disposed fore and aft and detachably fastened to similarly disposed members of other units.

PATENTS

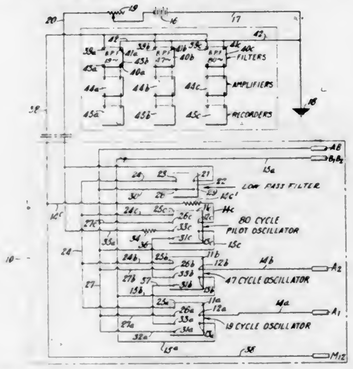
GRANTED DECEMBER 3, 1946

2,411,842
COATING APPLYING DEVICE
Richard C. Adams, Cleveland Heights, Ohio, assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
Application March 28, 1942, Serial No. 436,577
5 Claims. (Cl. 15—27)



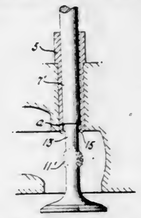
1. In a roller-type applicator for coating materials, a covering for the roller comprising a pile fabric having a cushioning layer of sponge rubber united to the back thereof.

2,411,843
COMPENSATING MEANS FOR ELECTRICAL BOREHOLE APPARATUS
Charles B. Aiken, North Plainfield, N. J., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application September 24, 1942, Serial No. 459,508
6 Claims. (Cl. 175—182)



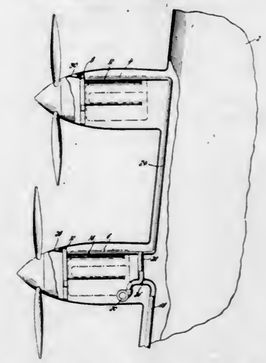
2. Electrical bore hole apparatus comprising investigating means adapted to be lowered into a bore hole for exploring subterranean formations and having an output indicative of the formations traversed by said bore hole, said investigating means being responsive to variations in the temperature in the bore hole that cause undesirable variations in said output, a source of electrical energy at the surface for energizing said investigating means, indicating means responsive to the output of said investigating means, a generating means disposed in the bore hole with said investigating means and energized from said source of electrical energy for providing a signal at the surface of substantially constant magnitude that is distinguishable from the output of said investigating means and which varies in response to temperature in substantially the same manner as the undesirable variations in the output of said investigating means, and means for controlling in unison the electrical energy supplied to said investigating means and said generating means to adjust said signal to said constant magnitude and simultaneously nullifying the undesired variations in the output of said investigating means.

2,411,844
POPPET VALVE AND GUIDE ASSEMBLY
Walter D. Appel, Orchard Lake, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1944, Serial No. 554,355
3 Claims. (Cl. 123—188)



1. A valve and guide assembly, said valve having an integral stem with parts of two different diameters forming a shoulder therebetween, the parts being so proportioned that the shoulder is always within the guide and that the shoulder approaches but does not reach the end of the guide on the valve opening movement.

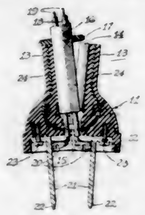
2,411,845
COOLING SYSTEM FOR AIRCRAFT ENGINES
James L. Arthur and Robert M. Williams, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 9, 1944, Serial No. 539,410
4 Claims. (Cl. 244—59)



2. In enclosed aircraft propelled by engines, conductors for carrying coolant to desired points

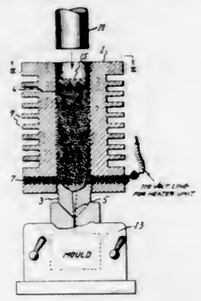
on the exterior surface of the engines to cool the same, a plurality of means for introducing coolant means into the conductors and valve means actuated by pressure in the conductors to control which source shall supply the coolant.

2,411,846
ELECTRICAL ATTACHMENT PLUG
Bernard Joseph Bir, Belleville, Ill.
Application January 14, 1944, Serial No. 518,221
2 Claims. (Cl. 173—361)



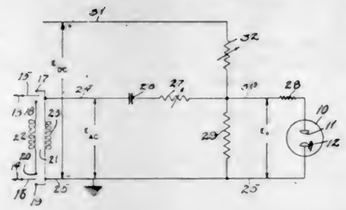
1. In an electrical attachment plug, a body portion of insulation material, the same including a basal portion and a connected bifurcate neck portion, a bifurcate spring seated within the plug with the base of the spring in the basal portion thereof and apertured through the base to pass electrical conductors, the forks of the said spring being seated within the two sides of the bifurcate neck portion of the plug at each side of the parting thereof.

2,411,847
METHOD OF EXTRUDING THERMOPLASTIC MATERIALS
John Bokeeno, Sewell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1944, Serial No. 552,171
3 Claims. (Cl. 18—55)



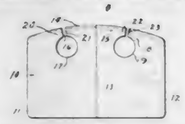
1. A method of extruding an oxidisable thermoplastic material from a receptacle having an open top and an orifice adjacent to its bottom, comprising placing said material in a solid state in said receptacle, forming a discrete non-miscible liquid layer on the otherwise exposed top surface of said material to prevent oxidation of said surface when said material is exposed to atmospheric pressure at its molding temperature, heating said material at atmospheric pressure to soften it, and then applying mechanical force to said material through the medium of said discrete layer to cause said softened material to be extruded through said orifice.

2,411,848
NEON LAMP VOLUME INDICATOR
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois
Application August 2, 1943, Serial No. 497,099
6 Claims. (Cl. 177—311)



1. A glow discharge lamp volume indicator comprising a glow discharge lamp having a pair of glow electrodes, circuit means arranged to be connected to a source of alternating current energy whose peak voltage condition is to be indicated, means for causing one electrode of said lamp to glow when the peak voltage of said source is greater than a predetermined desired minimum, and means for causing both electrodes of said glow discharge lamp to glow when the peak voltage of said source is greater than a predetermined desired maximum.

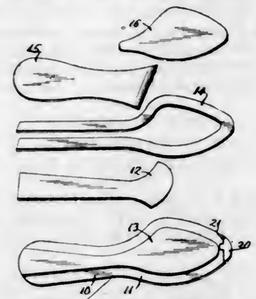
2,411,849
MAGNETIC RECORDER HEAD
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois
Application May 30, 1945, Serial No. 596,780
10 Claims. (Cl. 179—100.2)



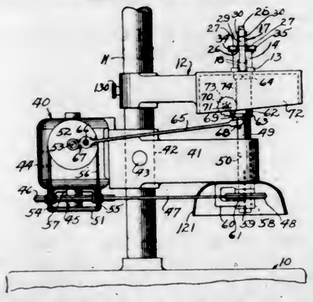
1. A magnetic recorder head comprising an integral core member having two pairs of confronting polar portions, an erase coil mounted on said core member to establish a field between the poles of one pair of polar portions and a signal impressing coil to establish a field between the poles of the other pair of polar portions, said core member being formed of one material in the region of said one pair of polar portions, and of a different material in the region of said other pair of polar portions.

2,411,850
SHOE
Dominick B. Caratozzolo, Bronx, N. Y.
Application February 14, 1945, Serial No. 577,738
5 Claims. (Cl. 36—22)

1. A sole construction for shoes, comprising an outer sole having a substantially U-shaped marginal recess extending around the toe portion and along the two sides to the back of the heel, a shank piece having a half-moon shaped front edge fitted upon the raised portion of said outer sole and extending from the shank area to the back of the heel, a substantially U-shaped marginal strip fitted around said U-shaped recess of said outer sole, a top shank piece fitted around the back portion of said marginal strip from the shank area to the back of the heel, and a front cover piece engaged across the front portion of said marginal strip from the toe area to the shank area.



2,411,851
APPARATUS FOR AND METHOD OF SMOOTHING PUMP BORES
Michele Caserta, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application April 17, 1944, Serial No. 531,430
14 Claims. (Cl. 51—34)



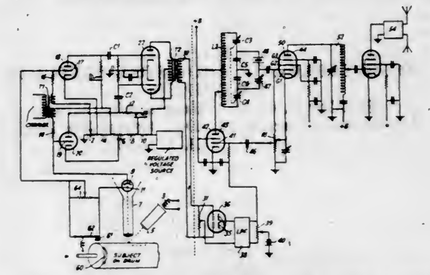
8. In an apparatus of the class described, a rotatable and reciprocable shaft having an open ended slot extending through the axis thereof, a closure member for the end of said slot and an assembly retained by said closure member and freely oscillatable in said slot as a unit of fixed diametral length during operation of said shaft including outwardly projecting parallel strips of abrasive material for the smoothing of internal surfaces.

2,411,852
BUMPER
Leo Domine, Detroit, Mich.
Application April 10, 1945, Serial No. 587,491
1 Claim. (Cl. 267—28)



A bumper including a coil spring the diameter of which increases progressively from top to bottom, a cup on the top coil of the spring having a central depression formed therein seated within said top coil, a resilient disc seated in said cup and projecting above the top of the latter, said disc being securely held by the annular margin of the cup, a bolt the head of which is heated in said central depression, said bolt extending downward through an opening formed in the base of the cup, an inverted cup extending upwardly in the top coil of the spring from its underside, an annular flange on said inverted cup bearing against the underside of the top coil of the spring, said bolt extending through a central opening formed in said inverted cup, and a nut in the latter in threaded engagement with said bolt, said bolt and nut terminating above the underside of the top coil of the spring.

2,411,853
PHOTO RADIO SIGNALING BY FREQUENCY MODULATION
James L. Finch, East Rockaway, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 24, 1941, Serial No. 403,821
11 Claims. (Cl. 178—6)

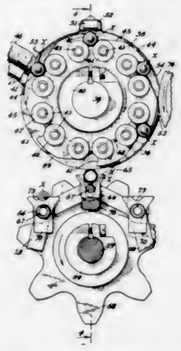


1. The method of signaling by photo radio transmission which includes the following steps, modulating the frequency of a radio frequency carrier through a given range in accordance with current derived by scanning a subject, modulating the frequency of the said carrier current beyond said given range periodically, sending the carrier so modulated to a receiving point, and at the receiving point amplifying voltages characteristic of the said carrier while controlling the frequency of the voltages being amplified in accordance with said frequency modulation beyond said given range.

2,411,854
ARTICLE CONVEYER
John H. Fridén, Maplewood, N. J., assignor to Newark Engineering Company, Hillside, N. J., a corporation of New Jersey
Original application August 2, 1940, Serial No. 349,850. Divided and this application January 18, 1944, Serial No. 518,699
9 Claims. (Cl. 198—103)

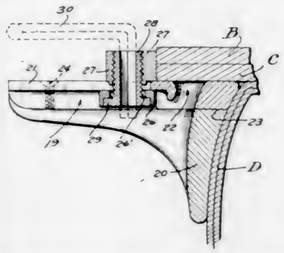
9. In apparatus of the class described a plurality of article conveying means, means for driving said conveying means in synchronism, one of said conveying means being arranged to deliver articles conveyed thereby by gravity to the other of said conveying means, said one of said conveying means being arranged to support said articles during at least a portion of the travel thereof with a substantial part of the surface of said articles extending completely around the same free and clear of any engagement, and a plurality of swivelly mounted receptacles on said other conveying means arranged to receive and convey said articles, said receptacles having surfaces

adapted to receive and retain said articles without engagement of said part of the surface there-



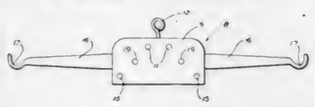
of, said surfaces on the receptacles being arranged to retain said articles in definite endwise position with respect to the receptacles.

2,411,855
WORKTABLE FOR SHOE SOLE STITCHING MACHINES
Stanley F. Graff, Minneapolis, Minn.
Application August 28, 1943, Serial No. 500,331
4 Claims. (Cl. 112—62)



1. A work table for shoe sole stitching machines formed with a needle passage, said table having a shouldered longitudinal slot, a guide block seated on said table and having a portion working in the slot of said table, a clamping block working in said slot and having a clamping action on the shoulders thereof, and a clamping screw having a head rotatably mounted in said clamping block for sliding movement therewith and having threaded engagement with said guide block.

2,411,856
FOLDABLE GAMBREL
James W. Harding, Marysville, Calif.
Application March 22, 1945, Serial No. 584,170
3 Claims. (Cl. 294—79)



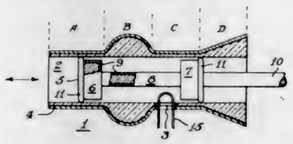
1. A gambrel comprising a sheath embodying a pair of spaced parallel plates, a block secured between said plates and provided with a swivel suspension eye, and a pair of arms hingedly mounted between the plates and having their inner ends engageable with an adjacent abutment-forming surface of the block, together with additional blocks mounted between said plates, said blocks being in alignment with each other and on a plane below the first-named block, said second-named blocks also serving as abutments for the pivoted ends of said arms.

2,411,857
METHOD AND APPARATUS FOR MAKING PIES
Lloyd J. Harriss, Kenilworth, Ill.
Application July 6, 1942, Serial No. 449,866
9 Claims. (Cl. 107—54)



4. The method of making pastries which comprises the steps of, baking a substantially flat bottom crust, placing a flexible measuring band around said crust, and depositing a filling within the area provided by the crust and band.

2,411,858
TUNING APPARATUS
Robert L. Harvey, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 1, 1943, Serial No. 474,275
4 Claims. (Cl. 178—44)



1. A tuning device comprising a hollow cylinder constituted of a dielectric material; said cylinder having a body of non-uniform thickness and a bore of substantially uniform diameter; a film-like metal armature on the outer surface of said cylinder; a core, including a second armature, mounted for slidable movement on and within the bore of said cylinder whereby said armature and said first mentioned armature form a capacitor; said armatures possessing capacitance and distributed inductance of a value calculated to tune said device over a predetermined frequency range, and means presented to the interior of said cylinder for coupling said device to an external circuit.

2,411,859
WELDING ELECTRODE CONSTRUCTION
Ralph R. Harwood, Detroit, Mich.
Application October 2, 1944, Serial No. 556,698
5 Claims. (Cl. 219—4)

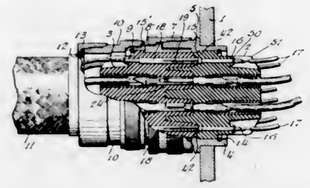


3. A welding electrode of relatively soft material such as copper and a reinforcing collar of cupreous metal of greater resistance to deformation than copper such as bronze, surrounding the tip of the electrode and open at the operating end to permit contact of the copper with the work.

2,411,860
PROCESS FOR RENDERING TEXTILES, FIBERS, AND THE LIKE WATER-REPELLENT
Winfrid Hentrich, Rodleben, near Dessau-Rosslau, Anhalt, and Richard Hueter, Dessau-Rosslau, Anhalt, Germany, assignors, by mesne assignments, to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 29, 1938, Serial No. 242,916. In Germany December 4, 1937
8 Claims. (Cl. 8—120)

1. A process for rendering textiles, fibers and like material water-repellent which comprises treating such material with a higher molecular ketene containing a substituent hydrocarbon radical of at least 4 carbon atoms, and heating substantially in the absence of a solvent to produce water-repellence therein.

2,411,861
ELECTRICAL CONNECTOR
Charles Antony, Jr., Baldwin, and Eric J. Isbister, Forest Hills, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 19, 1943, Serial No. 479,814
4 Claims. (Cl. 173—328)



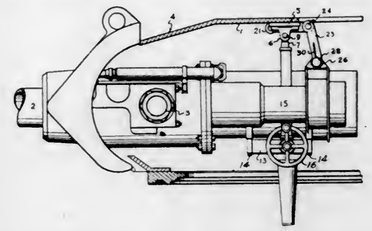
1. A connector element, comprising a body portion, a contact member movably mounted therein, and separate spring means for removably retaining said contact member in said body portion, said spring means comprising a U-shaped spring member adapted to engage flattened portions of said contact member, whereby said contact member may be removed from said body portion upon rotation of said contact member sufficiently to disengage said spring member therefrom.

2,411,862
METHOD OF FORMING FRANGIBLE EXPLOSIVE CONTAINERS AND THE PRODUCT SO PRODUCED
Harmon W. Arnold, South Bend, Ind.
Application December 17, 1942, Serial No. 469,342
6 Claims. (Cl. 102—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



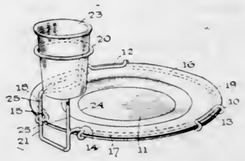
3. As an article of manufacture, a frangible explosive container formed of cast iron with alternating areas of gray cast iron and white cast iron the white cast iron having the configuration of an intersecting gridiron.

2,411,863
TRAVEL LOCK
Quentin Berg, Detroit, Mich.
Application May 17, 1943, Serial No. 487,292
4 Claims. (Cl. 89—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a gun pivotally mounted on a support subject to vibrations, means including a relatively delicate elevating mechanism connecting said gun to said support, a coarse latch piece also connecting said gun to said support, said latch piece being constructed and arranged to prevent vibration of said gun in large amplitudes, yet to permit vibration of said gun in limited amplitudes, with respect to said support, said means also including a resilient element, whereby shocks transmitted through said coarse latch piece are effectively absorbed, thus protecting said relatively delicate elevating mechanism.

2,411,864
BUFFET SERVER
Dimitri Birkin, Boston, Mass.
Application October 12, 1942, Serial No. 461,755
3 Claims. (Cl. 65—65)

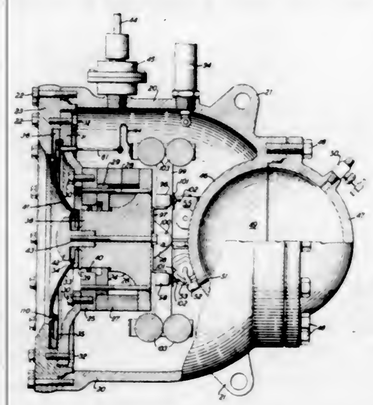


3. A buffet server comprising a frame in the form of a continuous loop adapted to embrace the rim of a plate, means for holding a plate in the frame, and a cup holder connected adjacent an outer edge of the frame through vertical uprights spaced circumferentially along the edge of the frame, to permit entrance of a thumb of the user over the rim of the plate directly under the cup holder.

2,411,865
SUBMARINE SIGNALING DEVICE
Lee G. Bostwick and John H. King, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1944, Serial No. 521,782
15 Claims. (Cl. 177—386)

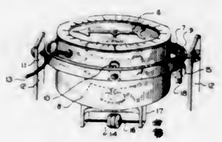
1. A submarine signaling device comprising a diaphragm having one face for communication with the sea, means defining a chamber with the opposite face of said diaphragm, signal translating means cooperatively associated with said diaphragm, and means for compensating for varia-

tions in hydrostatic pressure upon said one face to maintain the pressures on said one and opposite faces substantially equal, said compensating means comprising a reservoir containing a gas under pressure, a normally closed valve between



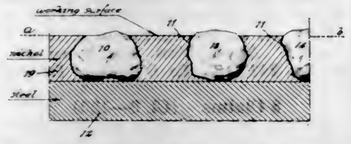
said reservoir and said chamber and means actuated in accordance with displacement of said diaphragm only at frequencies below a preassigned frequency and in the direction corresponding to increase in said hydrostatic pressure for opening said valve.

2,411,866
MAGNETIC DEFLECTION CORRECTED COMPASS
Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 7, 1942, Serial No. 468,316
12 Claims. (Cl. 33—225)



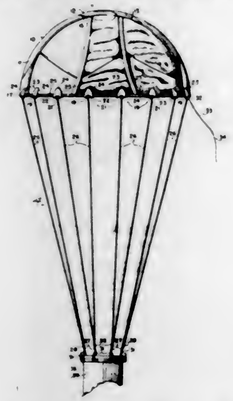
1. A compass and error-correcting means therefor comprising a sensitive element affected by the earth's magnetic field and having a longitudinal axis normally positioned in a horizontal plane when arranged for azimuth indication purposes, supporting means for said sensitive element having an axis in fixed perpendicular relation to the longitudinal axis of said sensitive element, a universal mounting providing normally horizontal, mutually perpendicular axes about which said supporting means may be pivoted to arrange the said axis thereof substantially vertical and to position said sensitive element substantially horizontally, and means for positioning and maintaining said supporting means in a position with its said axis inclined with relation to the vertical to a predetermined degree and in such a direction that said sensitive element is subjected to an effective vertical component of the earth's field to correct for deviation of said sensitive element due to local attraction.

2,411,867
INDUSTRIAL DIAMOND TOOL AND METHOD OF PRODUCING SAME
Bert Brenner, Union, N. J.
Application December 19, 1942, Serial No. 469,754
20 Claims. (Cl. 51—309)



12. A metal bonded abrasive comprising fine diamond particles having a degree of fineness of the order of 40 to 100 microns and a bond consisting of metallic platinum and an electrolytically deposited metal in which the diamond particles are embedded.

2,411,868
PARACHUTE
Graham B. Brown, Washington, D. C.
Application June 24, 1943, Serial No. 492,071
14 Claims. (Cl. 244—145)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

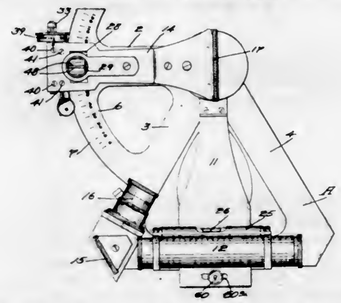


1. A parachute of the character disclosed adapted to retard the fall of an object released from an aircraft in flight, a hemispherical canopy having a continuous circular hem along the edge thereof, reinforcing means composed of extensible material arranged in said hem and stitched thereto at intervals, and a plurality of shroud lines having loops formed in the ends thereof and the loops respectively secured to said reinforcing means, said shroud lines being adapted to support said object.

2,411,869
ADDITION REARRANGEMENT PRODUCTS OF THIOCYANIC ACID AND CYCLOPENTADIENE-OLEFINIC ADDUCTS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 6, 1944, Serial No. 557,554
6 Claims. (Cl. 260—454)

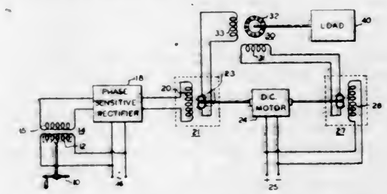
2. As new compounds, the reaction products obtained by the addition of nascent thiocyanic acid in an aqueous medium to cyclopentadiene-monoolefinic adducts with consequent rearrangement of the ring system of said adducts, said products comprising isothiocyanates in which the isothiocyanate group is directly attached to a carbon atom of the saturated, rearranged ring obtained from the cyclopentadiene.

2,411,870
UNIVERSAL SEXTANT
Albert L. Chauvet, Piedmont, Calif.
Application May 31, 1943, Serial No. 489,182
5 Claims. (Cl. 88—2.4)



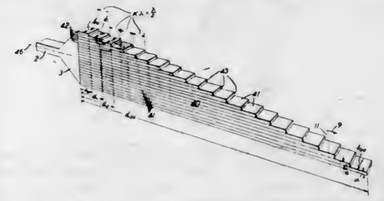
1. A sextant comprising a frame, a pendulum pivotally mounted on said frame, a telescope carried by the pendulum to view an object observed, said telescope having cross-hairs to maintain a substitute horizon, a horizon mirror carried by the frame and disposed in front of the telescope, an index arm pivotally mounted on the frame, a scale for the index arm to indicate the angle of elevation of the observed object above the horizontal, and an index mirror carried by the index arm to reflect an object being observed to the horizon mirror and the telescope.

2,411,871
SERVO SYSTEM
Gerard de Westfelt, New York, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 2, 1942, Serial No. 464,297
5 Claims. (Cl. 172—239)



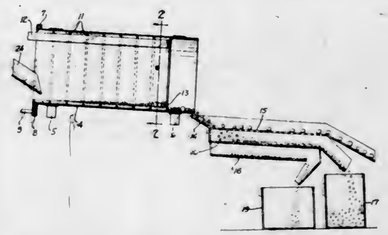
1. In combination, a motor, a pair of alternating current generators coupled thereto and driven thereby to supply outputs of the same frequency in substantially 90° phase relationships, a two-phase motor having the fields thereof excited by potentials respectively derived from the outputs of said two generators, and thermionic means adapted to receive a reversible phase input and supply a reversible polarity continuous output proportional thereto for reversibly exciting at least one of said generators to control the magnitude and direction of the torque exerted by said two-phase motor.

2,411,872
MICROWAVE DIRECTIVE ANTENNA
Carl B. H. Feldman, Bunsom, N. J., and George E. Mueller, Jackson Heights, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 11, 1942, Serial No. 446,582
16 Claims. (Cl. 250—11)



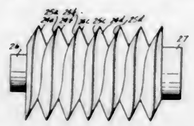
1. An end-on antenna array comprising a plurality of open-ended dielectric channels having different phase velocity characteristics.

2,411,873
PROCESS OF MOLDING BALLS
Charles V. Firth, Minneapolis, Minn., assignor, by mesne assignments, to Erie Mining Company, Hibbing, Minn., a corporation of Minnesota
Application June 15, 1944, Serial No. 540,522
4 Claims. (Cl. 75—3)



1. Process of molding balls from moistened, finely divided ore material which comprises providing a supply of said finely divided ore material having a considerable range of particle sizes including a large proportion of particles smaller than 44 microns diameter, and uniformly moistened with from about 8 to about 11 percent by weight of water, maintaining an adherent layer of the uniformly moistened material against the inside surface of a rotary drum, continuously scraping the formed layer to a smooth even surface, feeding the moist finely divided ore material in uncompacted form together with added discrete nuclei of said uniformly moistened ore material onto said layer, subjecting the supported layer to a slow rotary movement thereby causing the fed material to migrate and the discrete nuclei to roll over the surface of the supported layer and slowly to grow into dense mechanically strong balls by the gradual accretion of moist particles thereto, terminating relative movement between the adherent layered material and the loose material when a portion of said nuclei have grown into balls having a desired size and a portion of said nuclei have grown into balls smaller than said desired size, separating the undersized balls from the balls of desired size, and using the undersized balls as added discrete nuclei in a repetition of the accretionary procedure.

2,411,874
METHOD OF MAKING HOLLOW FLEXIBLE BOOTS
Milton E. Golden, Chicago, Ill.
Application November 27, 1943, Serial No. 511,930
2 Claims. (Cl. 64—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

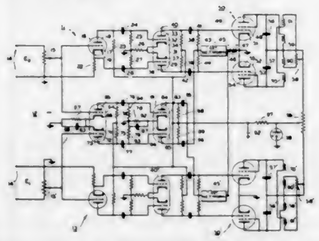


1. The method of making a hollow flexible boot from relatively thin flexible sheet material, which consists of cutting out a series of washers, radially slitting said washers to form a convolution having a beginning and an end, axially separating the beginning and end of each convolution to compose one turn of a helix, joining the end of one turn to the beginning of the next to compose a helix, forming a second helix in like manner, placing the helices in contiguous relation, joining the inner edges of the two helices by a continuous seam, the first convolution of the first helix to the first convolution of the second helix, and joining the outer edges of the two helices by a continuous seam, the first convolution of the second helix to the second convolution of the first helix.

2,411,875
BETA-HALO ACYL HALIDES
Thomas L. Gresham and Forrest W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1945, Serial No. 602,686
6 Claims. (Cl. 260—544)

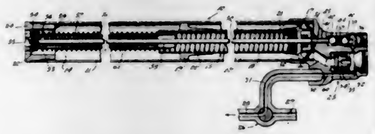
1. A method of producing a beta-halo acyl halide which comprises reacting a beta lactone with a halide of a substance selected from the group consisting of oxy-acid anhydrides of elements of the periodic groups V and VI.

2,411,876
PHASE ANGLE INDICATOR
William W. Hansen, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application September 6, 1943, Serial No. 501,371
10 Claims. (Cl. 172—245)



1. Apparatus for determining the phase relationship between two periodically varying electrical quantities comprising separate means for modulating a portion of each of said electrical quantities whose phase has been shifted through a predetermined angle with a portion of the other periodically varying electrical quantity whose phase is unshifted, and means responsive to the direct current components of the two modulated electrical quantities thus produced for giving an indication of the phase difference between the two quantities.

2,411,877
GUN CHARGER
Edward J. Heizer, West Caldwell, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application June 15, 1944, Serial No. 540,368
9 Claims. (Cl. 89—1)



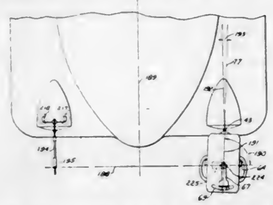
9. In a gun charger, the combination of a cylinder, means for admitting a pressure medium into said cylinder including a valve, a piston assembly in said cylinder operable in one direction by pressure medium introduced into said cylinder to move said piston assembly into a predetermined position, resilient means for moving said piston assembly in an opposite direction, valve actuating means associated with said piston assembly and said valve and being engageable by said piston assembly prior to completion of its movement in the first mentioned direction, to permit closing of said valve, and resilient means connected with said valve actuating means for normally causing said valve actuating means to maintain said valve in an open position.

2,411,878
COMPOSITE FILM AND METHOD
Albert Hershberger, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 21, 1942, Serial No. 459,187
10 Claims. (Cl 154—139)

1. A method for laminating self-sustaining, non-vulcanizable, non-fibrous, synthetic film material with butadiene copolymer material which comprises forming on the surface of at least one of said materials an adhesive composition consisting essentially of a polyvinyl butyral containing 20.7% to 47.4% combined butyraldehyde, and a polyhydric phenol-aldehyde resin, and thereafter bringing said materials into association and with said adhesive composition therebetween, and maintaining said associated materials at an elevated temperature for a sufficient length of time to firmly unite said materials and to cure said butadiene copolymer material.

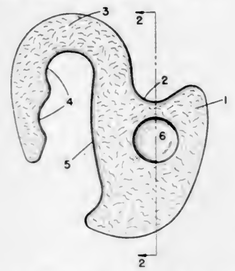
2,411,879
HEADLIGHT TESTER
Herbert Glenn Holmes, Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 18, 1940, Serial No. 341,178
31 Claims. (Cl. 88—14)

6. A headlight tester adapted to be placed in the light beam of a headlight comprising means for indicating when the axis of the light beam of the headlight is parallel to a predetermined reference axis of the tester, an optical system associated with the tester, means for positioning the optical system at a predetermined distance ahead of the headlight, and means associated with the optical system for indicating the angular relation-



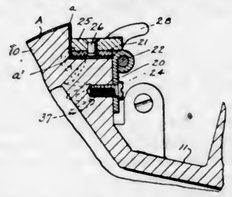
ship of the reference axis with respect to a ray of light received by said optical system from a source laterally disposed of said tester and positioned a definite distance ahead of said headlight.

2,411,880
SAILMAKER'S PALM
Horace G. Jackson, United States Navy
Application June 13, 1945, Serial No. 599,283
6 Claims. (Cl. 2—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



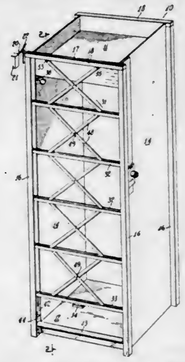
1. A hand sewing device for protecting the hands during sewing operations comprising a body of substantially non-deformable plastic material adapted to be grasped by the user, said body having an integral, co-planar finger fitting portion extending therefrom.

2,411,881
CLAMP FOR MASTER SHEETS OF PRINTING MACHINES
Edward J. Janke, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 8, 1944, Serial No. 562,440
12 Claims. (Cl. 101—415.1)



1. The combination of a drum having a gap and a ledge within the gap, a hinge having one leaf secured to the drum and the other leaf adapted to lie parallel with the ledge or be tipped at an angle thereto, and means adapted to maintain the latter leaf in contact with a master sheet between such leaf and ledge.

2,411,882
ELEVATOR SYSTEM
Le Roy H. Kiesling, Brooklyn, N. Y.
Application November 10, 1942, Serial No. 465,111
18 Claims. (Cl. 187—31)

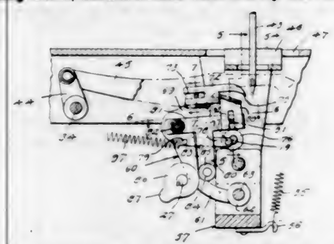


18. A power-driven elevator system having in the hoistway a traveling car with a longitudinally collapsible gate closing the car gateway, and having an operating control means comprising a movable contact arm and cooperating therewith a shiftable actuator mounted on the car, said actuator having connections by which it may be positioned by the gate and adapted thereby to render the power drive inoperative when the gate is open and operative when the gate is shut; said system characterized in that the collapsible gate is a drop gate mounted at the gateway lintel for downward self-closing by gravity expansion when released, and that such drop gate is composed of a series of pairs of pivoted crossed links and transverse guide bars between which the link pairs are connected, whereby the link ends spread transversely with the upward collapse of the gate and vice versa; and wherein the said actuator connections comprise at the lintel opposite sliders spring-pressed apart transversely, to which sliders the top link-ends respectively are pivoted; whereby in the manual opening of the gate such springs assist the starting of the lifting movement, and in the gravity closing such springs retard the drop and reduce impact shock; and the said actuator connections thus operated by such gate collapsing and expanding action being thus adapted to cause shifting of said actuator and thereby effect control movements of said contact arm.

2,411,883
SKIP STITCH TUFTING MACHINE
Waymon R. Kile, Cartersville, Ga.
Application August 26, 1940, Serial No. 354,295
6 Claims. (Cl. 112—79)

1. A tufting machine comprising a reciprocable needle, a loop holding member, means supporting said member for swinging movement from a cutting position to a loop receiving position, a loop cutting means carried by said member, said cutting means comprising a pair of angularly related parts, means pivotally mounting one end of one of said parts to said member, a cutting

element fixed to the other end of said one part, a rotary cam, and a roller carried by an end of the

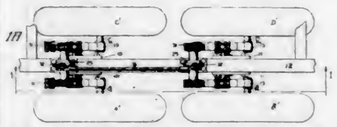


other part engaging said cam to thereby rock said cutting means relative to said member.

2,411,884
PLASTICIZING RUBBER
Robert J. King, New Canaan, and George Watson Thielcke, Norwalk, Conn., assignors to King & Lang, Inc., South Norwalk, Conn., a corporation of Connecticut
No Drawing. Application July 23, 1941, Serial No. 403,704
7 Claims. (Cl. 260—761)

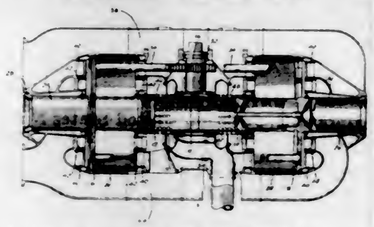
1. The method of plasticizing vulcanizable rubber compositions which comprises mixing with the rubber a small amount of the product produced by subjecting a thiophenol to the action of an aldehyde and an aromatic amine.

2,411,885
EQUALIZING SUSPENSION FOR VEHICLES
Glenn L. Larison, La Grande, Oreg., assignor to Larison Compensating Axle Corporation, a corporation of Oregon
Application November 30, 1943, Serial No. 512,353
4 Claims. (Cl. 280—104.5)



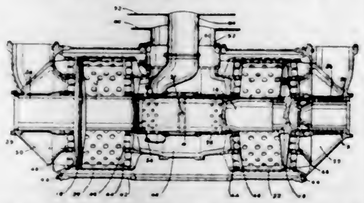
1. In a vehicle suspension, a pair of wheel-carrying assemblies pivotally mounted on the same side of the vehicle for movement in substantially vertical parallel planes, a differential mechanism located on the same side of the vehicle and mounted for rotational movement as an entire unit, said wheel-carrying assemblies connected with said differential mechanism, and said assemblies and differential mechanism so arranged that pivotal movement of one assembly will ordinarily result in opposite pivotal movement of the other assembly and pivotal movement of both assemblies in the same direction will result in rotational movement of said differential mechanism as an entire unit, a second pair of wheel-carrying assemblies pivotally mounted and in tandem with said first mentioned pair, a second differential mechanism located on the same side of the vehicle and mounted for rotational movement as an entire unit, said second pair of wheel-carrying assemblies connected to said second differential mechanism, and said second assemblies and second differential so arranged that pivotal movement of one of said second assemblies will ordinarily result in opposite pivotal movement of the other second assembly while pivotal movement of both second assemblies in the same direction will result in rotational movement of said second differential mechanism as an entire unit, and means interconnecting the two differential mechanisms controlling the movements of said mechanisms as entire units so arranged that rotational movement of one differential mechanism as an entire unit will cause a force to be exerted to produce related rotational movement of the other differential mechanism as an entire unit, whereby each assembly will be caused to carry its proper share of the load under all normal conditions of vehicle travel.

2,411,886
PISTON CONSTRUCTION
Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 28, 1944, Serial No. 520,063
14 Claims. (Cl. 123—176)



1. A piston construction including a compressor piston comprising opposed discs and an engine piston attached to one of said discs and clamping the discs together.

2,411,887
POWER PLANT CONSTRUCTION
Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 15, 1944, Serial No. 531,307
14 Claims. (Cl. 123—46)

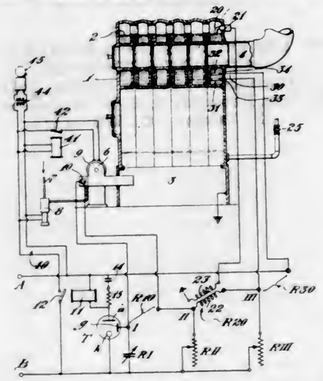


1. A scavenge collector, and an exhaust collector within the scavenge collector, in combination with an internal combustion engine having a scavenge manifold, and an exhaust manifold within the scavenge manifold, said scavenge and exhaust manifolds being connected respectively to the scavenge and exhaust collectors.

2,411,888
MULTIPLE RESPONSE SUPERVISORY SYSTEM
John Ansbacher Long, Cambridge, and William F. Wolfner, II, Methuen, Mass., assignors to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application October 16, 1941, Serial No. 415,260
6 Claims. (Cl. 250—27)

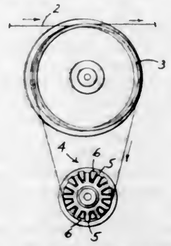
1. Electronic multiple supervision apparatus comprising a current source providing two supply

points of different potential, a triode whose anode circuit is supplied from said points, means responsive to the conductivity of said triode in said anode circuit, a plurality of detecting circuit branches, each branch including a variable detecting impedance and an adjustable control impedance connected on one side to said detecting impedance and on the other side to one of said supply points, and a triode control circuit connecting the other supply point in series through



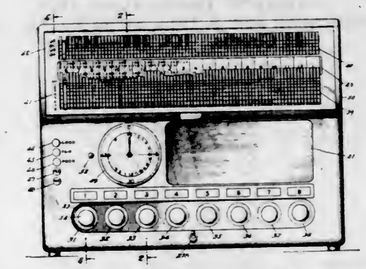
the detecting impedance of each branch to the control electrode of said triode, the values of said detecting and control impedances being correlated normally to apply to said electrode a potential varying from the control potential value corresponding to a certain conductivity of said triode, but to move said electrode potential through said value upon a change of any one of said detecting impedances, the effective amount of which change can be predetermined by adjusting said control impedances.

2,411,889
GUIDE MECHANISM
Henry J. McDermott, Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 19, 1944, Serial No. 536,275
9 Claims. (Cl. 28—71.5)



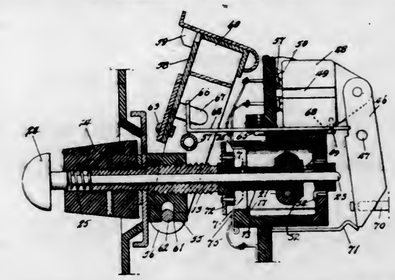
1. In thread guide mechanism, the combination of a wheel for receiving a thread and discharging it therefrom, and a guide associated with the wheel to cause lateral displacement of the thread wrapped one or more times about the wheel and guide associated as a unit and to prevent riding of the thread on itself, said guide comprising a thread-advancing reel having two sets of thread-carrying bar members mounted rotatably on stationary axes, the axis of one set being offset and inclined to that of the other, said reel being arranged with respect to the wheel so that substantially only one set of bar members makes effective contact with the thread wrapped thereabout the axis of the last-mentioned set of bars being inclined to that of the wheel.

2,411,890
PROGRAM PRESELECTING AND CONTROL APPARATUS
Freeman H. Owens, New York, N. Y.
Application July 10, 1942, Serial No. 450,449
6 Claims. (Cl. 161—1)



1. Program preselecting and control apparatus comprising a bank of contacts arranged each to represent a particular time, time control means for successively connecting said time representing contacts in circuit, a set of function selecting keys movable to different function selecting positions and cooperable each with a particular one of said time representing contacts and a second set of different function selecting keys movable to different function selecting positions and cooperable each with a particular one of said time representing contacts and whereby the function selection for a particular time may be predetermined by the setting of a function selecting key in either one of said two sets of function selecting keys.

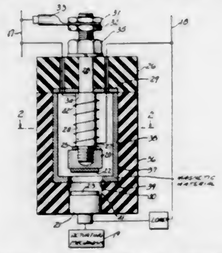
2,411,891
RADIO CONTROL APPARATUS
Freeman H. Owens, New York, N. Y.
Application August 19, 1943, Serial No. 499,295
11 Claims. (Cl. 250—20)



1. Radio control apparatus comprising a tubular support, a control spindle rotatable and slidable through said support, a sleeve slidably engaged on said spindle at the inner end of said support, a switch block fixed on said spindle at the inner end of said sleeve, control switch contact means engageable by said switch block upon inward thrust of said spindle, a switch member on said slidable sleeve, cooperable muting switch elements engageable by said member on inward movement of said spindle in advance of cooperation of said switch block with said first-mentioned

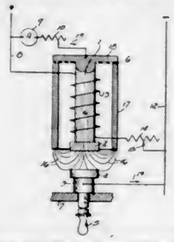
switch contact means, said sleeve being engageable by said switch block upon outward movement of said spindle and engageable at its outer end with the inner end of said tubular support and spring means for yieldingly holding said spindle in outward position with the end of said sleeve so engaged with the inner end of said tubular support.

2,411,892
CIRCUIT BREAKER WITH MAGNETIC ARC EXTINGUISHING MEANS
Gerhard W. Peters, Akron, Ohio
Application July 8, 1943, Serial No. 493,847
12 Claims. (Cl. 200—147)



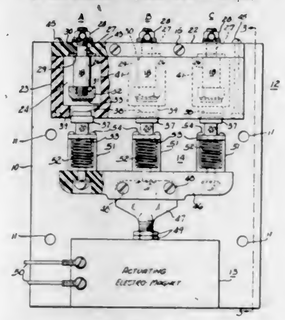
1. In a current interrupting device having at least a first and a second interrupting contact movable relative to each other, said relative movement defining a line of motion, the improvement of apparatus for arresting and extinguishing an arm between the interrupting contacts, said apparatus comprising a shell-like metal housing having an annular rim, a post element projecting in the housing, means for mounting the first contact on the post element, said second contact being movable in the housing beyond the annular rim and engaging the first contact, said post element and said housing comprising a magnetic circuit having opposite pole portions forming an air gap through which flux passes, said post element constituting one pole portion and said annular rim constituting the other pole portion, the separation of the electrodes occurring in said air gap within the housing whereby an arc between the separating contacts is controlled by said flux, said opposite pole portions being so disposed with reference to each other that a line drawn therebetween is other than a right angle with respect to said line of motion.

2,411,893
METHOD OF CONTROLLING ARCS
Gerhard W. Peters, Akron, Ohio
Application July 8, 1943, Serial No. 493,848
1 Claim. (Cl. 200—147)



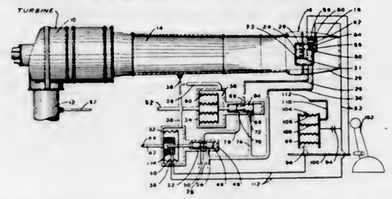
In a magnetically quenched circuit breaker having two relatively movable contacts, the method of quenching the arc created when said contacts open, said method comprising magnetically forcing the arc at the instant of its creation inwardly toward a central zone between the separated contacts thereby preventing the arc from materially lengthening itself by flaring outwardly beyond the sides of the contacts, and magnetically restricting the cross-sectional area of the said arc and thereby increasing the resistance of the said arc without materially increasing the length thereof for extinguishing the arc.

2,411,894
ARC EXTINGUISHING CHAMBER FOR CIRCUIT BREAKERS
Gerhard W. Peters, Akron, Ohio
Application February 9, 1944, Serial No. 521,613
3 Claims. (Cl. 200—144)



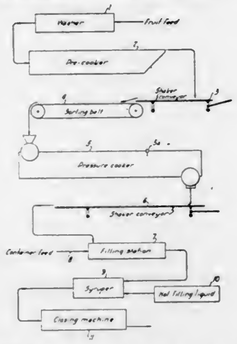
1. In combination, a quick-acting circuit interrupting switch having at least a first and a second pair of separable contacts, each of said pair including a stationary contact means and a movable contact means, a base, a split insulating housing mounted on the base, said housing having at least a first arc chamber for the first pair of contacts and a second arc chamber for the second pair of contacts, actuating mechanism mounted on the base for quickly operating the movable contact means to effect a quick circuit interrupting movement, said split housing comprising an insulating support member and a readily removable insulating body member adapted to be detachably connected to the insulating support member, said insulating body member having at least a first recess constituting a portion of the first arc chamber and a second recess constituting a portion of the second arc chamber, said insulating body member also having first and second openings connecting the first and second recesses respectively to the outside of the split housing, said movable contact means for the first and second pair of contacts being movable respectively in said openings upon the actuation thereof by the actuating means, said insulating members having mating wall surfaces abutting against each other and forming the split between the said members, said mating wall surfaces extending transversely of the said recesses, said stationary contact means for each pair having a first end portion mounted to the insulated support member and having a second end portion provided with a contact element, said contact element and said movable contact means for each pair having abutting contact surfaces between which current is interrupted, the stationary contact means for said first pair of contacts being disposed closer to said base than the stationary contact means for said second pair of contacts, said second end portion for each stationary contact means projecting from said insulating support member into said recess respectively and extending beyond said split, whereby said second end portions and the contact elements provided thereon for said pairs of stationary contact means are readily accessible upon removal of the insulating body member, and stop means to prevent the said movable contact means from being withdrawn from said openings in the insulated body member during the circuit interrupting movement.

2,411,895
NOZZLE CONTROL
David M. Poole, Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 15, 1944, Serial No. 531,311
11 Claims. (Cl. 60—35.6)



1. A power plant including a gas turbine, an adjustable nozzle through which gas from the turbine is discharged, means for adjusting the nozzle to obtain a diffuser action, in combination with other means for adjusting the nozzle to obtain predetermined operating characteristics in the turbine, and pressure responsive means for automatically rendering inoperative said first adjusting means when said second means becomes operative.

2,411,896
DRIED FRUIT PACKAGING
Burnell E. Richmond and Paul C. Wilbur, San Jose, Calif., assignors to Richmond-Chase Co., San Jose, Calif., a corporation of California
Application March 18, 1942, Serial No. 435,226
3 Claims. (Cl. 99—186)



1. A process of preparing a wet pack comprising free liquid and individual pieces of previously dried fruit such as prunes, said process comprising subjecting the individual pieces of fruit to direct contact with steam substantially at a temperature from about 220° F. to about 260° F. for a period substantially from about one to about four minutes, then placing the fruit together with hot liquid into a container, and then sealing the container.

2,411,897
PHARMACEUTICAL SOLUTION
Melville Sahyun, Detroit, Mich., assignor, by mesne assignments, to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 2, 1943, Serial No. 471,172
9 Claims. (Cl. 167—65)

3. A clear aqueous solution comprising an essential amino acid and a stabilizing amount of a wholly organic hydrophilic protective colloid, said solution being adapted for injection into the human body and being characterized (1) by the property of remaining free of insoluble matter for a longer period during storage than does a solution of amino acid identical therewith but containing no wholly organic hydrophilic protective colloid, (2) by the substantially complete lack of undesirable physiological effects due to the presence of said colloid when administered parenterally, and (3) by the exertion of the normal physiological effect of the amino acid when so administered.

2,411,898
PULSE GENERATOR
John C. Schelleng, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 21, 1944, Serial No. 532,118
13 Claims. (Cl. 250—27)



1. The method of producing and utilizing pulses of electrical energy which comprises the steps of transferring electrical energy from a source to a reactive element of a resonant circuit, transferring part of such transferred energy to a load circuit in a pulse shorter in time than one-fourth of the natural period of the said resonant circuit and returning a substantial part of the energy then remaining in the reactive element back to the source.

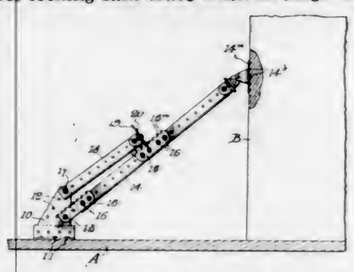
2,411,899
TREATMENT OF ACRYLIC ESTER POLYMERS
Stephen T. Semegen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 9, 1945, Serial No. 592,923
20 Claims. (Cl. 260—83)

1. The process of curing a plastic polymer of an ester of acrylic acid, which comprises heating said polymer with from about 2 to about 25% by weight of an alkali metal salt of silica dispersed therein.

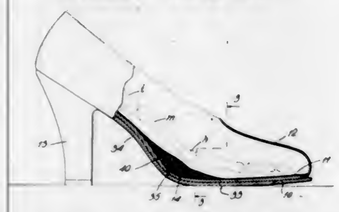
2,411,900
CARGO STOP
Edgar C. Seward, South Arlington, Va.
Application July 5, 1944, Serial No. 543,578
10 Claims. (Cl. 248—354)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A cargo stop comprising a base, a brace with teeth on one surface thereof secured at one end to said base, cargo-engaging means secured to

the free end of said brace, an arm secured to said base for locking said brace when in cargo-engaging position, said arm having teeth-engaging means for engaging the teeth on said brace.



2,411,901
METATARSO-PHALANGEAL BALL CUSHION
Benjamin J. Silver, New York, N. Y.
Application January 12, 1945, Serial No. 572,488
9 Claims. (Cl. 36—71)



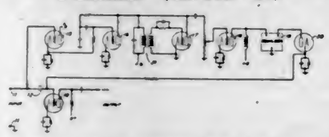
1. In a shoe, the combination of an outer sole, an inner sole provided in the region of the ball of the foot in its upper surface and spaced from the edges of the sole with a relatively deep depression rounding from side to side in all vertical cross sections, a semi-flexible combined metatarso-phalangeal ball cushion normally of substantially egg-shaped plan of convexo-convex form having its opposite surfaces of identical contour with its curved underside flexed under tension into a fit in said depression and secured to the inner sole, said cushion having its upper side upwardly convex in all vertical cross sections and said upper side having its point of highest elevation located under the shaft of the second metatarsal bone irrespective as to which side of the cushion may be uppermost, and reducing in elevation gradually in all radial directions from said point and forwardly to a position terminating approximately mid-length of the middle first phalanges.

2,411,902
FLEXIBLE WALL STRUCTURE
James J. Skelly, Cleveland Heights, Ohio
Application July 14, 1944, Serial No. 544,909
10 Claims. (Cl. 160—229)



2. A flexible wall comprising a plurality of relatively rigid channel members arranged side by side and a plurality of strips of resilient material inter-leaved with successive channel members and bonded thereto.

2,411,903
TRANSMISSION CHARACTERISTIC CORRECTION
Thaddeus Slonczewski, Glenwood Landing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 13, 1943, Serial No. 479,146
8 Claims. (Cl. 178—44)



1. The method of correcting the input-output characteristic of a circuit that comprises translating a portion of the variable amplitude input to the circuit into control potentials, generating constant amplitude oscillations varying linearly in frequency with respect to said potentials, attenuating the oscillations in accordance with a loss-frequency characteristic related to the desired deviations in the normal input-output characteristic, and translating said attenuated oscillations into control potentials for application to the input of said circuit.

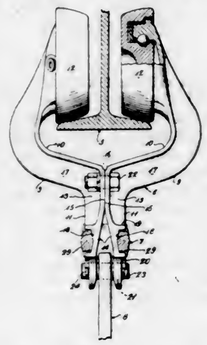
2,411,904
ROSIN ESTER MODIFIED DICARBOXYLIC ACID-GLYCOL RESIN
George Spiller, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 12, 1943, Serial No. 490,645
18 Claims. (Cl. 260—26)

1. A resinous reaction product of a partially reacted alpha-beta-unsaturated dicarboxylic acid-dihydric alcohol ester which has been preformed and reacted to a phenol red acid number between 30 and 150 and which has a reacted content of 0.7 to 1.5 moles dihydric alcohol per mole of dicarboxylic acid, and from above 0.75 to 3 moles per mole of said dicarboxylic acid in the ester of a monohydric alcohol ester of unsaturated rosin acid, said monohydric alcohol and said dihydric alcohol possessing only radicals substantially inert in the reaction and uncombined in the product otherwise than through their hydroxyl linkages, said resinous reaction product being formed by condensation reaction of said esters at about 200° C. to about 300° C., reaction being continued until achievement of acid number and cure time values hereinafter specified, said resinous reaction product being characterized by fusibility, by solubility in benzene and ethyl acetate, by a phenol red acid number less than that of the partially reacted dihydric alcohol ester and less than 50, by substantial stability to heat at temperatures below 150° C., by the capacity to be cured to an infusible state by heat at above 200° C., and by a cure time at 200° C. of less than four minutes.

2,411,905
WATER DISPERSED RUBBER ADHESIVE
Henry N. Stephens, White Bear, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application August 11, 1941, Serial No. 406,397. In Canada March 28, 1939
14 Claims. (Cl. 260—755)

1. In the making of a water dispersed adhesive which, upon drying, will yield a tacky pressure sensitive film, the steps which include dispersing water in limited proportions substantially uniformly throughout a smooth plastic tacky material, including reclaimed rubber, a compatible resinous tack-producer therefor and a soap-forming acid, to form a smooth viscous dispersion of the water-in-oil type, said water being introduced in sufficient amount to permit inversion of phase upon the subsequent addition of alkali; and thereafter, while controlling the batch at a superatmospheric temperature within a substantial but limited range lying above and below 145° F., adding alkali thereto to render said batch alkaline and to form soap dispersing agent, with continued kneading and mixing of the batch, whereupon inversion of phase takes place and an oil-in-water type dispersion is produced, the soap dispersing agent being formed in situ at the point of inversion.

2,411,906
TROLLEY CONVEYER
Robert W. Suman, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application October 18, 1944, Serial No. 559,193
9 Claims. (Cl. 198—177)



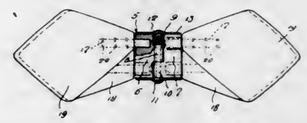
1. In a conveyer, the combination with a track, and a chain having a link formed with an opening, of a trolley comprising two similar oppositely disposed brackets each having a head carrying a track engaging wheel and a foot through the medium of which the two brackets are fastened together in permanent relationship and are connected to the chain link, said bracket feet having means operating to connect the chain link to the bracket feet as the result of the brackets being moved to their assembled position within the chain link opening and also being shaped so that portions of the same will directly engage each other to position the two brackets in the permanent realtionship they assume when fastened together and so that other portions have their inner faces offset outwardly to permit the two feet to be collapsed relative to each other to allow for insertion in the chain link opening, and means for fastening the two brackets together in their aforesaid permanent relationship with the feet extending through the chain link opening.

2,411,907
NECKTIE
Alfred Frank Taborski, Buffalo, N. Y.
Application June 29, 1944, Serial No. 542,789
2 Claims. (Cl. 2—150)

2. A necktie comprising a knot form, a resilient self-clamping holding member secured within the knot form and having a chamber therein with a restricted bottom opening, a drape member of cloth material, and a rigid elongated plate member secured to the drape member and having an upper end extension formed with a laterally offset portion and projecting from the top of said drape member arranged and adapted for insertion and frictional engagement in the chamber of said resilient member after expansive insertion of said end extension through the restricted bottom opening of the chamber.



2,411,908
BOW TIE
Alfred F. Taborski, Buffalo, N. Y.
Application September 13, 1944, Serial No. 553,889
1 Claim. (Cl. 2—151)



A bow tie including a pair of wing members and a knot structure at the central portion of the tie, said knot structure embodying a pair of hingedly connected plates, each plate having a plurality of sockets at its outer edge, said wing members being formed of sections composed of separate plies of material, and rigid strips each having an end secured to one of the plies of material, the other ends of the strips projecting therefrom and adapted for frictional insertion in the respective sockets for independently removing the sections of the wings from said knot structure.

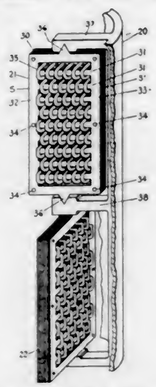
2,411,909
CABLE CUTTER
Robert Temple, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del., a corporation of Delaware
Application February 11, 1944, Serial No. 522,022
3 Claims. (Cl. 42—39.5)



1. In a cable cutter, a frame provided with a barrel and also provided with a slot extending transversely through it at the rear end of the barrel, a chamber block slidably mounted in said slot and provided with a pair of forwardly opening chambers, a cable cutting member slidably mounted in each of said chambers, means for selectively holding the chamber block in three positions, one of said chambers being located outside of the frame for reloading when the chamber block is in one of its end positions, the other chamber being in alignment with said opening when the chamber block is in its center position, said other chamber being located outside of the frame for reloading

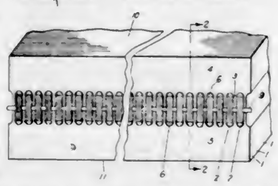
when the chamber block is in its third position with the first-mentioned chamber in alignment with said barrel, said chamber block being provided behind each chamber with a cartridge-receiving opening, and manually operable means for firing the cartridge behind said barrel, whereby to drive the adjoining cutting member into the barrel.

2,411,910
SIGNALING SYSTEM
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application May 13, 1940, Serial No. 334,774
4 Claims. (Cl. 177—386)



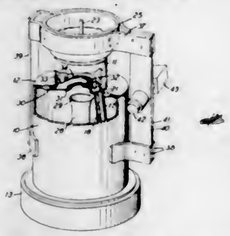
3. In a submarine signaling system, a magnetostrictive pickup unit having a resonant system of one-half wave length, said system having end mass loads whereby the pickup surfaces at opposite ends of the system are substantially spaced one-half wave length as measured in the sound medium of the resonant frequency.

2,411,911
MAGNETOSTRICTION OSCILLATOR
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application June 18, 1941, Serial No. 398,583
9 Claims. (Cl. 177—386)



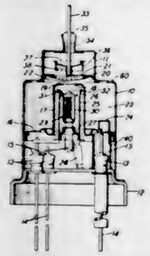
9. A magnetostrictive oscillator of the type described comprising a stack of laminations formed of magnetostrictive material, each lamination having a plurality of uniform slots with uniform stems between the slots, the laminations being stacked together to align the slots and the stems and form a plurality of slots having length dimensions long as compared with the length dimensions of the slot, a plurality of elongated current-carrying coils, one positioned in each of the aligned slots of the laminations, each of said coils having as a core a permanent magnet in the form of an elongated bar running parallel to the long axis of the coil, said coils extending beyond the end laminations and providing a space between the inner side ends of the coil and said bar, and a bar passing through said spaces of each coil and abutting the face of the end of the laminations, said last-named bar being of insulating material.

2,411,912
ELECTRON DISCHARGE DEVICE
Robert L. Vance, Weehawken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 17, 1942, Serial No. 439,375
4 Claims. (Cl. 250—27.5)



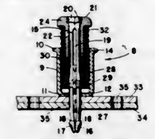
1. An electron discharge device comprising an enclosing vessel including a pair of spaced portions mounted in end to end relation and a flexible member connecting said portions, means including said flexible member defining a cavity resonator within said vessel, said cavity resonator having an aperture therein, electrode means adjacent thereto for exciting said resonator, and means for tuning said resonator, said tuning means including a pair of adjacent flexible members extending between said spaced portions and affixed thereto and means coupled thereto for adjustably flexing said adjacent flexible members.

2,411,913
ELECTRON DISCHARGE DEVICE
John R. Pierce, Millburn, and William G. Shepherd, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 21, 1942, Serial No. 459,124
11 Claims. (Cl. 250—27.5)



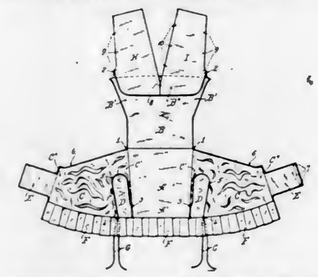
4. An electron discharge device comprising a high frequency circuit element including a pair of grids mounted in juxtaposition and defining a gap, means for projecting a hollow substantially parallel ray electron beam across said gap including a cathode opposite one of said grids, and a reflecting electrode opposite the other of said grids, said reflecting electrode having therein an annular recess facing said other grid.

2,411,914
FASTENER
Paul Van Sittert, Shaker Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application November 17, 1943, Serial No. 510,636
5 Claims. (Cl. 85—5)



1. A device for temporarily clamping together perforated sheets in superposed relation comprising a housing having a sheet engaging base provided with an opening, a retainer including a pair of legs slidable through said opening, feet on one end of said legs adapted for engagement against the underside of the sheets being clamped, a sleeve for housing the other end of said legs, a spreader for said legs having a portion resting on said base, means within said housing having engagement with said legs for limiting movement thereof in one direction relative to said housing, and spring means interposed between said sleeve and the base of said housing for drawing said retainer inwardly of said body to urge said feet into sheet clamping engagement.

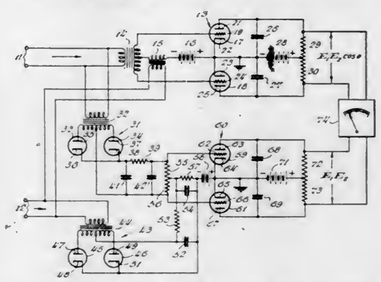
2,411,915
SLIP COVER
Theodore Waranch, Baltimore, Md., assignor to The Comfy Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application September 18, 1942, Serial No. 458,783
4 Claims. (Cl. 155—182)



1. A slip cover having a body portion comprising covering portions for the back rest and rear of the chair and a seat panel connected to the lower end of said back rest portion, arm panels connected to said body portion in the region of said seat panel and being free of said back rest and rear covering portions, each of said arm panels being irregularly shaped and having an inner side edge whose length is less than the length of a side edge of said seat panel and which is secured to the latter from the rear edge of such seat panel to a point short of the front edge of said seat panel, a front edge connected throughout its entire length to a front face panel along a line extending from said point which is positioned intermediate the height of the inner side of such front face panel, around the top of such face panel and along its outer side to the lower edge thereof, an outer side edge extending from the front face panel to the rear of the chair and a free rear edge adapted to be tucked in the crevice between the arm and back cushions, said inner side edge and said free rear edge defining an angle greater than 90° and containing therebetween surplus material to be tucked into the crevices between the arm, back and seat cushions, a front face panel connected as aforesaid to said arm panel and to the side edge of said seat panel from the front end of the inner side edge of the arm panel to the front edge of the seat panel, whereby the front edge of said seat panel, the lower edges of said front face panels and the outer side edges of said arm panels are in substantial alignment, a skirt panel connected to the said aligned edges, extensions provided on said arm panels intermediate said outer side edge and said free rear edge and adapted to be drawn around to the back of the chair, fastening means for adjustably fastening said extensions at the back of the chair with the outer covering portions of said arm panels under tension, and a rear covering portion overlapping and concealing said extensions.

2. A slip cover having a body portion comprising covering portions for the back rest and rear of the chair and a seat panel connected to the lower end of said back rest portion, arm panels connected to said body portion, each of said arm panels having an inner side edge secured to a side edge of said seat panel, a front edge connected to the side and top edges of a front face panel, an outer side edge, a rear edge adapted to be tucked into the crevice between the arm and back cushions of the chair and a second rear edge in the outer covering portion of said arm panel and being unconnected to and free from the body portion of the cover, the length of the outer covering portion of said arm panel being such as to enable the said second rear edge to be drawn around to the back of the chair, front face panels connected as aforesaid to said arm panels and to the forward end of said seat panel, the front edge of said seat panel and the lower edges of said front face panels being in substantial alignment, a skirt panel connected to said aligned edges and extending around the sides of the chair to the back thereof, the rear ends of said skirt panel being disconnected, and means for adjustably fastening the rear ends of the outer portions of said arm panels and said skirt panel at the rear of the chair.

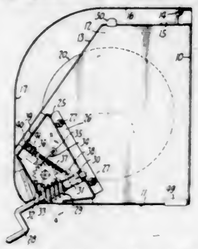
2,411,916
MEASURING APPARATUS
John R. Woodyard, Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc., a corporation of New York
Application June 28, 1943, Serial No. 492,573
11 Claims. (Cl. 172—245)



1. Apparatus for determining the phase relationship between two periodically varying electrical quantities, comprising means for modulating one of said quantities with the other, means for rectifying each of said periodically varying

quantities, means for modulating said rectified electrical quantities one with the other, and means for receiving the outputs of the respective modulating means to give an indication of phase.

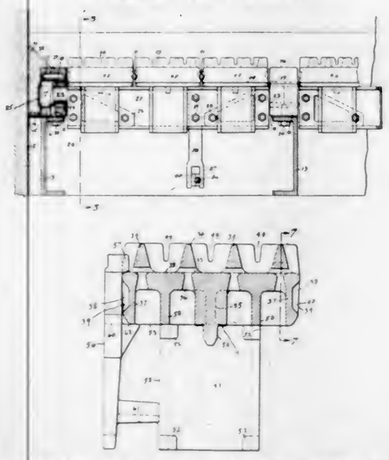
2,411,917
DISPENSING DEVICE
Philip A. Wooster, San Rafael, Calif.
Application March 28, 1941, Serial No. 385,659
13 Claims. (Cl. 271—2.3)



1. Operating mechanism for a towel dispenser comprising a dispensing roller, a crank, a worm and gear drive connecting said crank and roller, and a uni-directional friction clutch between said crank and worm to prevent reverse rotation of the worm.

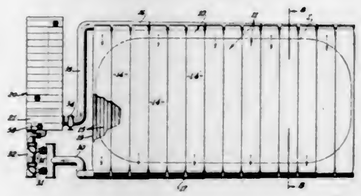
11. Operating mechanism for a towel dispenser comprising a dispensing roller, a crank, and drive means connecting the crank and dispensing roller to rotate the roller forwardly continuously to dispense a continuous length of towel upon continuous turning of the crank, each rotation of the roller requiring a plurality of turns of the crank, said drive means providing a lock for preventing dispensing rotation of the roller except by turning the crank.

2,411,918
GRATE FOR BURNING SOLID FUEL
Richard C. Wright, Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application September 5, 1944, Serial No. 552,720
7 Claims. (Cl. 126—177)



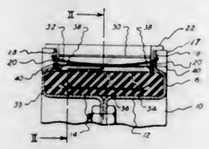
1. A grate of the class described characterized by having its surface broken longitudinally and laterally into a plurality of grate sections and characterized by having each of said sections independently and pivotally mounted, and self-adjusting rods for sealing the clearance spaces between said sections.

2,411,919
ICE RINK
Frank J. Zamboni, Hynes, Calif.
Application September 16, 1944, Serial No. 554,481
14 Claims. (Cl. 62—12)



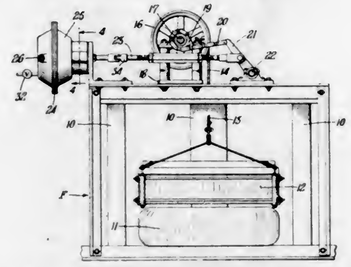
11. In a skating ring, the combination of a rink floor, a brine receiving container, a suction pump arranged to discharge into said container, a brine circuit including a supply line and a return line and a portion interposed between said lines, said portion having the top thereof arranged to form said rink floor, said supply line having an inlet end portion communicating with said container, said return line being connected to the intake of said suction pump, and means for lowering the temperature of the brine circulating through said circuit, the parts being so constructed and arranged that the pressure in the line in heat exchange relation with said floor is maintained at sub-atmospheric pressure.

2,411,920
BRAKE STRUCTURE
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application April 16, 1945, Serial No. 588,439
3 Claims. (Cl. 188—152)



1. In a radial brake of the expander tube type, in combination with an expander tube, a channel in which said tube is disposed, opposed openings defined in the sides of said channel arcuate sectional brake blocks circumferentially disposed in end to end relation on said tube and guided for radial movement in said channel, of a shield for said tube and support for said brake blocks comprising a relatively thin member having its ends supported in said openings to bridge said channel, said member overlying said expander tube and being overlapped by opposed ends of adjacent brake blocks, said brake blocks being supported on said member in a retracted position, and means for retracting said brake blocks into engagement with said member.

2,411,921
WELDING TRANSFORMER
Harry E. Kennedy, Berkeley, Calif., assignor to The Linde Air Products Company, a corporation of Ohio
Application February 1, 1944, Serial No. 520,691
6 Claims. (Cl. 171—312)



1. In a constant current transformer comprising a core, a fixed coil, and a movable coil, a pressure-responsive actuating device operatively associated with said movable coil for moving the same, said movable coil being maintained, against the force of gravity, in a desired position with respect to said stationary coil solely by the sum of the forces of pressure applied to said device and of magnetic repulsion between said coils.

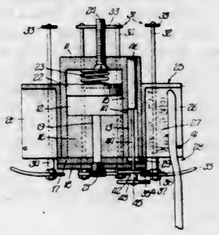
2,411,922
SNOW AND RAIN PROTECTOR GARMENT
Katherine Keohane, Jackson Heights, N. Y.
Application March 10, 1945, Serial No. 582,044
3 Claims. (Cl. 2—82)



1. An open garment, comprising a waterproof pants-like body having a semi-circular front opening extending from the hips down and around the groin, a belt for said pants-like body, and elastic means along the edges of said front opening for releasably holding said edges permitting a wearer to reach the side and back pockets of his pants.

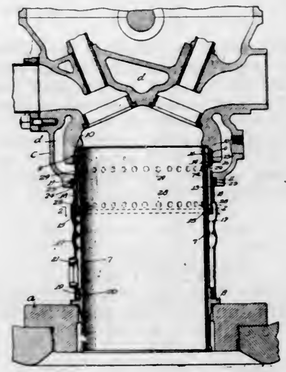
2,411,923
COMBINED TOOTHBRUSH HOLDER AND TOOTH PASTE DISPENSER
Joseph C. Kotraba, Chicago, Ill.
Application July 31, 1944, Serial No. 547,422
11 Claims. (Cl. 222—127)

1. In a device of the class described, a chambered body having a paste storage chamber, a paste dispensing chamber communicating with the storage chamber and a discharge port communicating with the dispensing chamber, a holder member carried by said chambered member, a plurality of brush holders carried by said holder member for supporting a plurality of brushes thereon, said holder member having movement relative to said chambered member whereby a selected brush and its holder may be moved into register with said discharge port, and said brush holders having movement with respect to said holder member whereby the selected brush in register with said port may be passed there-



before, and operating means engageable with the brush holder of the selected brush only by the act of moving the brush into register with said port, whereby upon movement of said selected brush holder said operating means will cause paste to be discharged from said port and deposited on said brush in its passage before said port.

2,411,924
CYLINDER STRUCTURE FOR ENGINES
Blair S. Kratzer, Williamsport, Pa., assignor to The Aviation Corporation, New York, N. Y., a corporation of Delaware
Application January 19, 1945, Serial No. 573,518
9 Claims. (Cl. 123—173)



5. An engine comprising: a cylinder-head provided with a coolant chamber and a pair of bores with internal shoulders; a cylinder barrel extending into the head; a sleeve secured around the cylinder barrel provided with coolant ducts, communicating with the coolant chamber in the head; means in one of the bores forming a seal between the head and the sleeve for preventing the escape of gases between the barrel and the head; means in the other bore, between the sleeve and the head, forming a seal for preventing the escape of coolant between the head and the sleeve; and a jacket between the sleeve and the inner end of the barrel, the sleeve having ports communicating with the space between the barrel and the jacket and means for securing the barrel and sleeve in the head and compressing both of the sealing means.

2,411,925
PROCESS FOR REFINING OLEORESIN
Ray V. Lawrence, Lake City, Fla., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America and to his successors in office
No Drawing. Application September 23, 1941, Serial No. 412,004
4 Claims. (Cl. 260—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. The method of refining crude oleoresin containing iron compounds which comprises dissolving the oleoresin in turpentine, mixing the oleoresin solution with about a 1 to 2 normal solution of a mineral acid at a temperature of about 70° until the iron compounds are dissolved out, separating and washing out the acid solution from the oleoresin solution and thereafter distilling off the turpentine.

2,411,926
MITTEN
Max Linick and Edward Linick, New York, N. Y.
Application October 18, 1944, Serial No. 559,166
1 Claim. (Cl. 2—158)



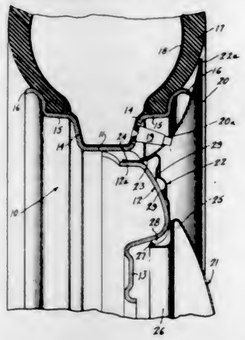
A mitten having an external fur section of a single solid "high" tone, said external fur section being positioned on said mitten, and means for removably holding said fur section so that it may be replaced, said means comprising a lace engageable through aligned openings formed in the periphery of the back of said mitten, and said mitten having an edge portion in the nature of a flange which is provided with the openings for said lace.

2,411,927
LACE CUTTER
Jack Luke, Toronto, Ontario, Canada
Application June 14, 1945, Serial No. 599,452
5 Claims. (Cl. 30—293)



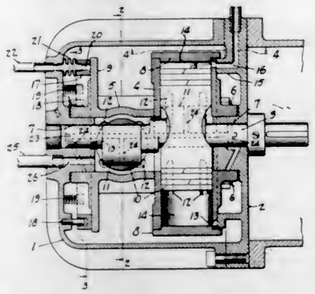
2. A lace cutter comprising a handle, a body portion, a peripheral slot in the body portion having a convex bottom in the body portion, and a cutter blade extending transversely of the slot and spaced with respect to the bottom of the slot.

2,411,928
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application March 22, 1943, Serial No. 479,981
2 Claims. (Cl. 301—37)



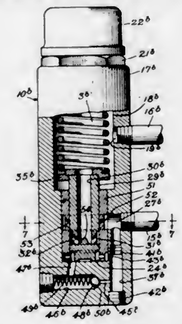
1. In a wheel structure including a wheel having a tire rim and a body part with a depressed central portion provided with cover retaining means, a wheel cover retaining annulus extending substantially radially along the body part and having an inner margin engaging the body part adjacent to said retaining means, a member engaging said cover retaining means and clamping said inner margin of said retaining annulus to the body part, said retaining annulus having an outer flexible marginal portion extending in a generally axial direction away from said body part and defining a generally radially outwardly facing cover seat, and an annular wheel cover of resiliently deflectable material disposed over the outer side of the tire rim and having a radially and axially inwardly extending inner margin disposed in face-to-face abutment with said seat and retained thereby on the wheel.

2,411,929
ROTARY COMPRESSOR
Sven Malke, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 24, 1944, Serial No. 541,915
14 Claims. (Cl. 230—177)



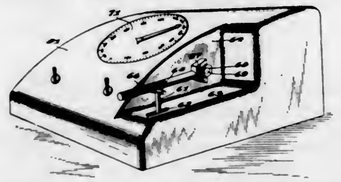
1. A rotary compressor comprising a cylinder rotatably disposed on a fixed bearing to rotate on a transverse axis, reciprocating means for compressing fluid in said cylinder, a transverse shaft supporting said means and extending through said bearing to rotate said means on an axis offset from the transverse axis of the cylinder to effect rotation of the latter and reciprocation of said means therein, passages through a side wall of said cylinder to supply fluid thereto during a portion of the rotation cycle of the cylinder and to discharge compressed fluid from the cylinder during another portion of the rotation cycle of the cylinder, and valve means operable in response to the rotation of said cylinder to open and close said passages in synchronism with the reciprocation of said first named means.

2,411,930
RELIEF VALVE
Max A. Mathys, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application July 14, 1943, Serial No. 494,609
5 Claims. (Cl. 137—53)



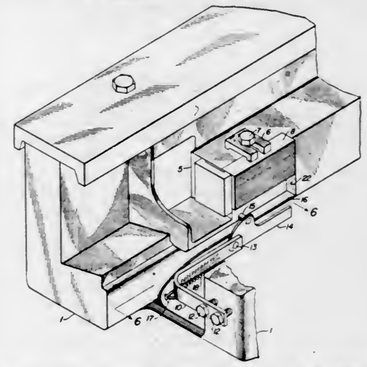
5. A relief valve comprising, in combination, a body having a valve bore opening at one end to a pressure chamber and at the other end to a spring chamber and formed with a pressure inlet, a valve sleeve fixed in said bore and formed with inlet ports in communication with said inlet and radially inclined in one direction longitudinally of said bore, a valve member reciprocable in said sleeve and formed with an axial bore opening to said spring chamber and with valve ports opening to said last mentioned bore and adapted for communication with said inlet ports and radially inclined in said direction, coiled compression spring means disposed in said spring chamber and acting on said valve member to urge said member in said one direction, and a restricted passage for directing fluid from said inlet to said pressure chamber to act on said valve member in opposition to the force of said spring means.

2,411,931
TORQUE GAUGE
Gerald E. McVey, Columbus, Ohio
Application January 11, 1944, Serial No. 517,849
6 Claims. (Cl. 73—1)



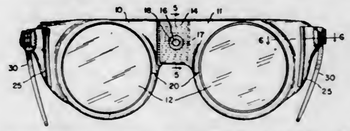
1. Torque-testing apparatus comprising a base, a bearing member on said base, a turnable element supported by said bearing member, one end of said element being formed for the reception of a torque wrench, a lever arm movable in unison with said element, fluid-displacing means having an operating member actuated by movement of said turnable element and lever arm, a pressure-indicating gauge operated by said fluid-displacing means, and motor-driven means for applying a rotative force to a torque wrench engaged with said turnable element.

2,411,932
BOLT EJECTOR FOR THREAD ROLLERS
Louis J. Mitchell, Cleveland, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application June 16, 1945, Serial No. 599,778
2 Claims. (Cl. 80—8)



1. In combination with a thread rolling machine having a pair of dies with opposed threaded faces one of which is carried by a stationary frame and the other by a carriage reciprocably movable parallel therewith in spaced relation to receive therebetween a bolt to be carried forward by the forward stroke of said carriage as the bolt is rolled and compressed to have a continuous spiral screw thread pressed therein by the threads of said dies, a device for ejecting said bolt upon completion of the forward stroke of the carriage and prior to the start of the backstroke thereof, said ejecting device comprising an adjustable bracket carried by said frame and carrying a pivoted lever operable within a plane lying between said die faces and normally maintained horizontal and below the lower edges thereof, means on said lever engageable by said carriage near the end of its forward stroke for operating said lever to swing it into a vertical position to engage the major portion of said bolt in flatwise contact from the rear to positively eject the same.

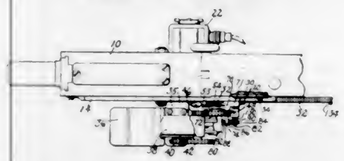
2,411,933
GOGGLES
Charles E. Morley and Harold S. Davis, Detroit, Mich.
Application May 27, 1943, Serial No. 488,666
1 Claim. (Cl. 2—14)



In an eye protecting shield, a pair of cup-shaped lens holding frames, projections extend-

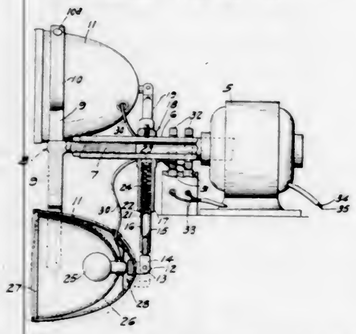
ing laterally from adjacent sides of the frames in overlapping relationship and having horizontally elongated intermeshing serrations enabling relative adjustment of the frames toward and away from each other, and means for clamping the overlapping projections in any one of several adjusted positions.

2,411,934
GUN CHARGING MECHANISM
Walter E. Naugler, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 23, 1943, Serial No. 515,447
16 Claims. (Cl. 89—1)



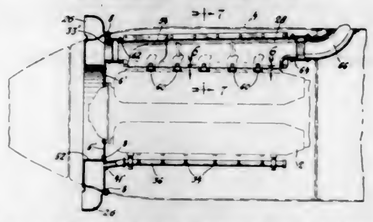
1. The combination with a gun having a breech-bolt movable in recoil and counter-recoil, of a motor, a movable charging member acting upon the breech-bolt to produce its movement in the direction of recoil, means for connecting the motor to the member to cause the charging movement of the breech-bolt, said connecting means being normally ineffective to produce such movement, and means controlled by the breech-bolt for rendering the connecting means effective.

2,411,935
SIGNAL LAMP
Frank J. O'Farrell, Burbank, Calif.
Application November 7, 1944, Serial No. 562,321
6 Claims. (Cl. 240—48)



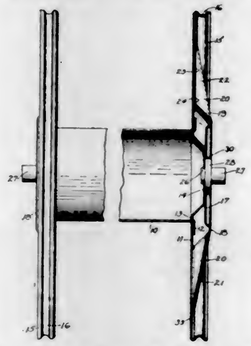
1. In a device of the kind described, a shaft, means whereby said shaft is rotatably supported, a plurality of limbs carried by and extending radially from said shaft, a lamp structure carried by each of said limbs and arranged to direct a beam of light across the produced axis of said shaft, said lamp structure being pivotally supported for pivotal adjustment in a plane extending along the axis of said shaft and radial thereto, and means rotating with said shaft controlled by centrifugal force automatically to swing all of said lamp structures in unison to vary the distance from the device at which the beams of light from said lamp structures intersect the produced axis of said shaft, the latter means comprising a spider having tubular arms which extend radially from said shaft and which are furnished with extensible portions pivotally connected with the rear portions of said lamps.

2,411,936
COOLING SYSTEM
Clyde R. Paton, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 5, 1943, Serial No. 497,423
3 Claims. (Cl. 123—171)



3. In auxiliary cooling means for a submerged liquid cooled internal combustion engine mounted within a circular housing and having exhaust lines and spark plugs, and an annular hollow chamber mounted between the engine front and the housing, means to conduct air into the chamber, a plurality of longitudinally extending cooling ducts adjacent the exhaust lines and spark plugs and means for connecting the same to the chamber whereby the annular chamber reinforces the means to support the circular housing and also acts as an air reservoir for cooling.

2,411,937
REEL OR BEAM
Edward W. Powell, Chicago, Ill., assignor to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois
Application July 10, 1944, Serial No. 544,261
6 Claims. (Cl. 242—123)

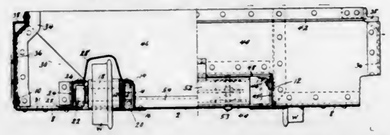


3. A reel or beam comprising a tubular sheet metal barrel and head structures for the ends thereof, each head structure comprising an inner sheet metal disk secured to the respective end of the barrel and having its central portion which crosses the corresponding end of the barrel bore deflected outwardly to form a frusto-conical projection spanning said end of the bore, and an outer sheet metal disk cut to star shape with its point portions secured against the outer side of the inner disk, the body portion of said outer disk being deflected outwardly to form a frusto-conical projection receiving the inner disk projection and of diameter to extend radially beyond said inner disk projection.

2,411,938
CLEANING AND POLISHING COMPOSITIONS
Jacob Ratner, Brooklyn, N. Y.
No Drawing. Application May 19, 1941, Serial No. 394,225
5 Claims. (Cl. 260—19)

1. A cleaning and polishing composition suitable for automobiles and furniture, capable of producing a very thin transparent lustrous preservative film reducible by repeated applications with a cloth and thus non-accumulative to a thick layer, said composition comprising from ½ to 5% of an oil-soluble phenol formaldehyde resin and from 1 to 8% of a petroleum soluble metallic salt of a carboxylic acid as film forming components, the film forming components being present in limited proportions sufficient to form a very thin delicate transparent film insufficient of itself to act as a protective film, the remainder of the composition being petroleum hydrocarbons boiling in the range of Stoddard solvent, and up to 25% of a compatible organic volatile liquid solvent for the resin and salt.

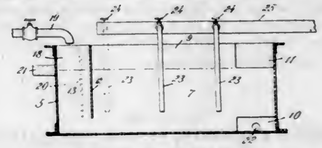
2,411,939
HIGH CAPACITY MINE CAR
Robert A. Shields, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 22, 1939, Serial No. 263,336
16 Claims. (Cl. 105—364)



1. In a mine or other industrial car having side walls and end walls the combination of a pan-shaped central floor portion, substantially pan-shaped side floor portions adjacent each side edge of said central floor portion, said pan-shaped floor portions extending substantially continuous from end wall to end wall of the car and having their adjacent side edges secured together in spaced relationship by means joined to the upper edges of the adjacent side edges and closing the space therebetween to thereby form the entire floor of the car as well as upwardly projecting substantially box-section longitudinal stiffeners extending substantially continuously from end wall to end wall of the car and forming the main longitudinally extending load carrying element located between the side walls.

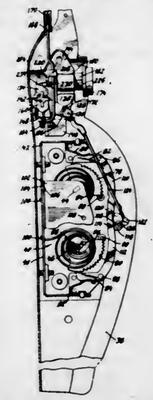
2,411,940
REFINING ZINCIFEROUS LEAD
William Wallace Shropshire, Chicago, Ill., assignor to International Smelting & Refining Company, New York, N. Y., a corporation of Montana
Application December 22, 1943, Serial No. 515,231
5 Claims. (Cl. 75—78)

1. In the process of refining zinciferous lead with chlorine, the improvement which comprises providing an elongated bath of molten lead of progressively decreasing zinc content, introducing chlorine into the bath at spaced intervals of the bath's length and thereby forming on the surface of the bath a molten slag of mixed zinc and lead chlorides of progressively decreasing lead



chloride content in the direction of the progressively increasing zinc content of the bath, withdrawing molten lead from the bath approximate the end of its minimum zinc content, and withdrawing molten zinc chloride from the bath approximate its other end.

2,411,941
DOOR LOCK
Robert F. Smith, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Continuation of application Serial No. 554,175, September 15, 1944. This application January 4, 1945, Serial No. 571,275
9 Claims. (Cl. 292—25)



1. In a lock for the door of an automotive vehicle, a pair of throw-out latches on the door adapted to engage with a keeper when the door is in closed position, springs operatively connected to the latches and constantly urging said throw-out latches to door-open position, means to restrain the springs from moving the throw-out latches, and means operable from the outside of the door and means operable from the inside of the door to release said restraining means to enable the springs to move the throw-out latches to release the door.

2,411,942
CHEMICAL PROCESSES
Lee Irvin Smith, Minneapolis, Minn., and Herbert E. Ungnade, Columbia, Mo., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application January 10, 1942, Serial No. 426,324
10 Claims. (Cl. 260—333)

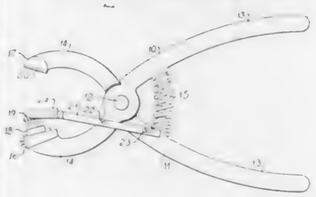
1. A process for producing chroman compounds comprising reacting a substituted allylic alcohol

having a double bond in the beta-gamma position in respect to the hydroxyl group and at least one alkyl group in the alpha position, with an aromatic compound containing a free hydroxyl group and an unsubstituted position ortho to said hydroxy and selected from the group consisting of alkyl-substituted-para-di-hydroxy-benzenes and their mono-ethers and mono-esters, in the presence of an acidic substance.

2,411,943
RUBBER COMPOSITIONS CONTAINING INDANOL ESTERS
Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 12, 1944, Serial No. 522,091
10 Claims. (Cl. 260—36)

1. As a new composition of matter, a material selected from the group consisting of natural rubber and rubber-like polymers of butadiene-1,3, isoprene, piperylene, and 2-chloro-butadiene-1,3 admixed with a carboxylic acid ester of one of a group consisting of indanols and alkyl substituted indanols.

2,411,944
LIVESTOCK MARKING TOOL
Ernest G. Stone, Denver, Colo.
Application November 21, 1944, Serial No. 564,422
10 Claims. (Cl. 128—316)



1. The combination with a live stock marking tool having hingedly-associated jaws terminating in complementary, opposed, piercing and abutment heads, and means for actuating said jaws, of a yoke mounted for travel with and oscillation about an axis spacedly paralleling the jaw hinge axis relative to said piercing head, and connections between said yoke and jaw actuating means positively operable as an incident of tool manipulation to swing said yoke relative to its associated head in a direction opposite to that of said head travel.

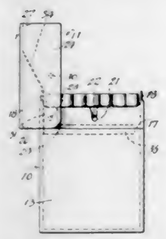
2,411,945
VEHICLE BODY
Trygve Vigmostad and Soren N. Juul, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 27, 1941, Serial No. 412,538
6 Claims. (Cl. 296—120)

1. In a vehicle body, a windshield having a header, a movable top terminating at its front end in a rigid transverse member, said header having at an intermediate point and at opposite ends three upstanding studs adapted to enter apertures in said member, three locking devices carried by said member including two devices shiftable transversely of the body and an intermediate device shiftable longitudinally of the body, said studs having recesses into which said devices are adapted to enter and said recesses and devices having surfaces slidingly engageable to exert wedging action and to draw down said



transverse member against said header, means for shifting said intermediate device longitudinally, and bell crank levers pivotally connecting said intermediate device to said transversely shiftable devices.

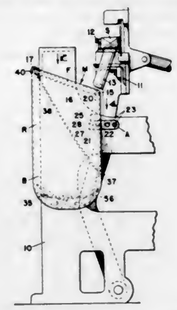
2,411,946
CONTAINER FOR CIGARETTE PACKAGES OR THE LIKE
Max Vogel, Bridgeport, Conn.
Application July 28, 1944, Serial No. 546,958
3 Claims. (Cl. 206—41)



1. A container for a cigarette package or the like, comprising a receptacle part including a base, spaced parallel front and rear walls extending upwardly from said base, and side walls extending upwardly from said base and connecting said front and rear walls, a cover part comprising a top, and spaced parallel front and rear walls extending downwardly from said top and adapted to overlappingly engage the upper end portions of the front and rear walls of said receptacle part exteriorly, the front and rear walls of said cover part being resiliently yieldable, hinge means hingedly connecting said receptacle and cover parts comprising stud and pocket means respectively carried by said cover and receptacle parts and engageable and disengageable through yielding of said resiliently yieldable front and rear walls, and a spring element including a mounting portion including apertured ears engaged within said receptacle part with said stud means engaged in the apertures thereof, and a leaf spring portion engaged interiorly with the top of said cover part.

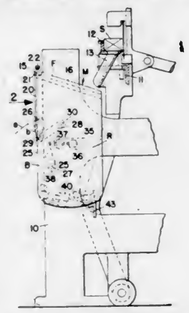
2,411,947
REVERSIBLE BOBBIN RECEIVING BAG
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,951
14 Claims. (Cl. 139—255)

1. In a bobbin receiver for a weft replenishing loom, a frame at the upper part of the receiver defining a mouth therefor, a flexible bag suspended from said frame, and means connected to the bag for turning the latter inside out to effect



discharge of bobbins from the bag through the mouth.

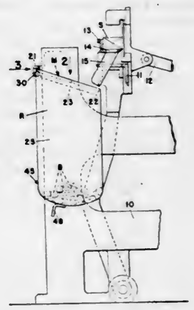
2,411,948
MOUNTING FOR BOBBIN RECEIVERS FOR WEFT REPLENISHING LOOMS
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,952
13 Claims. (Cl. 139—255)



1. In a weft replenishing loom having a bobbin chute which swings backwardly and forwardly along a given path, a bobbin receiver having a normally upwardly facing mouth through which bobbins pass from the chute into the receiver, a pivotal support for said receiver having a horizontal axis and normally located to hold said receiver with said mouth extending under said path, and means mounting said pivotal support for forward movement from the normal position thereof to move said mouth forward of said path, said receiver being thereafter rotatable on said support in an upward and forward direction to a position in which said mouth is inverted.

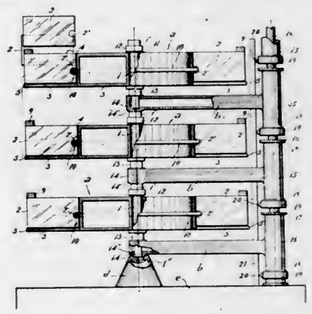
2,411,949
SPENT BOBBIN RECEIVER FOR LOOMS
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 22, 1945, Serial No. 636,953
18 Claims. (Cl. 139—255)

1. In a weft replenishing loom having a lay and bobbin chute thereon which moves along a given path as the lay reciprocates, a spent bobbin receiver having a mouth through which bobbins pass from the chute to the receiver, and mounting means for the receiver including a pivotal support for the mouth having an axis parallel to the



lay to enable said mouth to be moved downwardly from said path and then forwardly to an inverted position to facilitate emptying of the receiver.

2,411,950
ROTARY TRAY FILE
Ernesto Norberto Yzetta, Buenos Aires, Argentina, assignor to Guillermo Kraft Limitada Sociedad Anonima de Impresiones Generales, Buenos Aires, Argentina, a company of Argentina
Application January 19, 1944, Serial No. 518,785
2 Claims. (Cl. 45—3)



1. A filing device comprising a single vertical spindle, a plurality of similar bracket arms mounted with their inner ends rotatable on said spindle to project radially therefrom in spaced apart horizontal planes, vertical axles projecting upwardly from the free outer ends of said bracket arms, respectively, a plurality of rotary file trays the radius of which is less than the length of said bracket arms, said rotary file trays being mounted on said axles, respectively, stop means to arrest all said bracket arms against movement in one direction in a predetermined position in which all said vertical axes are in alignment, the free end of each of said bracket arms except the lowest one being adapted to rest, in said predetermined position, on the top of the axle of the tray disposed directly below such bracket arm, and a pedestal to support the outer end of the lowermost bracket in said predetermined position, so that, when all said bracket arms are in said predetermined position, the axles of all the trays and the free ends of all the bracket arms form with said pedestal a solid column.

2,411,951

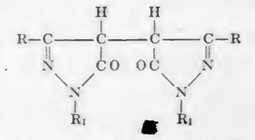
4,4'-BIS (PYRAZOLONE) COUPLERS FOR COLOR PHOTOGRAPHY

Abraham Bavley, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 28, 1944, Serial No. 556,273

12 Claims. (Cl. 95—6)

5. The method of producing a magenta color photographic image in a gelatino silver-halide emulsion layer which comprises exposing the layer and developing it with an aromatic primary amino developing agent in the presence of a coupler compound having the general formula:



in which R is selected from the class consisting of hydrogen, alkyl, aryl arylamino, acetarylamido, and aralkyl groups, and R_1 is selected from the class consisting of hydrogen, alkyl, aryl, aralkyl and heterocyclic groups.

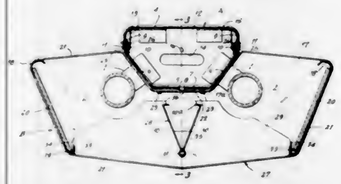
2,411,952

OVERHEAD ELECTRIC LIGHTING FIXTURE

David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri

Application September 9, 1944, Serial No. 553,331

5 Claims. (Cl. 240—78)



1. An overhead electric lighting fixture comprising an elongated light modifying trough having a longitudinal opening in the bottom thereof, spaced longitudinally disposed tubular lamps in said trough, and a louver extending longitudinally of said trough opposite said opening and intermediate between said spaced lamps, said louver having upwardly flaring specular opposite side faces adapted to reflect the rays of said lamps angularly downwardly through said opening, and a series of spaced transverse louvers located in said trough and spanning from side to side of said opening, said longitudinal louver having cross slots therein spaced apart longitudinally thereof, said transverse louvers extending through said slots.

2,411,953

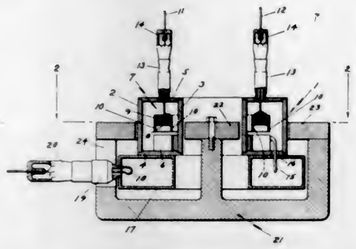
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE

William C. Brown, Watertown, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application January 10, 1944, Serial No. 517,756

8 Claims. (Cl. 315—5)

1. An electron-discharge device comprising: an envelope enclosing a cathode and an anode structure; said anode structure including a plurality of anode elements forming a plurality of cavity resonators each of which is adapted to resonate at a predetermined output frequency; a common cavity resonator adapted to resonate at said predetermined output frequency; and a plurality of



spaced probe electrodes projecting into said common cavity resonator; said probe electrodes being connected, respectively, to anode elements which are spaced from each other by a distance equal to an integral number of wave lengths corresponding to said predetermined output frequency.

2,411,954

TREATMENT OF POLYUNSATURATED ESTERS WITH POLYTHIOLS AND PRODUCTS PRODUCED THEREBY

William James Burke, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1944, Serial No. 519,689

15 Claims. (Cl. 260—225)

15. The polymeric addition product of a monomeric hydrocarbon polythiol and a polymeric polyunsaturated ester of a polyhydric alcohol with an unsaturated acid which is, apart from the carboxyl group, hydrocarbon.

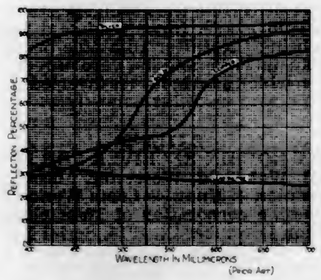
2,411,955

METHOD OF MAKING COLORED MIRRORS

William H. Colbert, Brackenridge, Pa., and Willard L. Morgan, Columbus, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application January 25, 1943, Serial No. 473,474

9 Claims. (Cl. 117—35)



4. In the process of forming a mirror having an effective reflectivity to produce an adequate clear reflected image and also producing visually effective color by light ray interference in a continuous partially transparent light reflective metallic sulfide film inherently capable of producing color by light ray interference, the method comprising subjecting at a predetermined constant temperature a support to a solution potentially capable of forming the color producing metallic sulfide film by deposition comprising a water soluble alkali metal hydroxide, a water soluble organic sulfur compound decomposable to sulfide by reaction with said alkali, a water soluble metallic salt of a metal whose sulfide is water insoluble, and a water soluble organic metallic sulfide deposition reaction retarding agent containing hydroxyl groups, the alkali metal hydroxide being present by weight in a predetermined amount between 0.5% and 2.0%, the organic sulfur compound being present by weight in a predetermined amount between 0.2% and 5.0%, the soluble metallic salt being present by weight in a predetermined amount ranging up to 2.0%, and the organic retarding agent being present by weight in a predetermined amount ranging from a very small amount up to 6.0%, thereby depositing the continuous color producing film, and stopping the deposition reaction at a predetermined time depending upon the rate of deposition of the metallic sulfide film by controlling the length of time of the contact of the solution with the support, thereby producing a desired partially transparent pre-selected film thickness between

$$\frac{\lambda}{8N}$$

and

$$\frac{9\lambda}{4N}$$

inclusive, in which λ represents a wave length of light at which the film gives a minimum of reflected light and N represents the refractive index of the film.

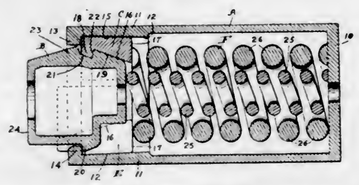
2,411,956

FRICTION SHOCK ABSORBING MECHANISM

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application June 6, 1945, Serial No. 597,811

5 Claims. (Cl. 267—9)



1. In a friction shock absorbing mechanism, the combination with a friction casing; of a plurality of friction shoes slidable within the casing, one of said shoes having shouldered engagement with the casing to limit outward movement of said shoe; a spring resistance yieldingly opposing inward movement of said shoes; and a central wedge block having wedging engagement with said shoes, said block having shouldered engagement with the casing and with the shoe which has shouldered engagement with the casing to limit outward movement of the wedge with respect to the casing and said shoe.

2,411,957

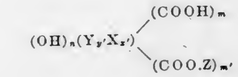
ESTERAMIDES

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application June 23, 1943, Serial No. 492,180. Divided and this application April 7, 1944, Serial No. 530,042

10 Claims. (Cl. 260—404)

1. A sub-resinous esterification product of the following formula:



in which x' and y' are small whole numbers not greater than 10 and m, n, and m' are small whole numbers not over 10, and including zero; Z is an acidic hydrogen atom equivalent; and X is a residue derived from a polybasic carboxy acid; and Y is a residue derived from a hydroxylated esteramide containing (*a*) one amido-linked acyl radical derived from a hydroxylated carboxy acid having not over 5 carbon atoms; and (*b*) at least one acyloxy radical derived from a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms, and linked by a divalent aliphatic radical to the amido nitrogen atom.

2,411,958

METHOD OF PURIFYING PETROLEUM PRODUCTS

Melvin A. Dietrich, Claymont, Del., and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 25, 1943, Serial No. 511,736

11 Claims. (Cl. 196—30)

1. The method of purifying petroleum products contaminated with dissolved catalytically active compounds of copper which comprises washing the petroleum product in the liquid state with a dilute aqueous solution of sodium thioglycolate.

2,411,959

METHOD OF PURIFYING PETROLEUM PRODUCTS

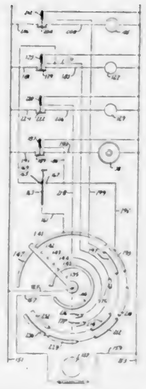
Melvin A. Dietrich, Claymont, Del., and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application November 25, 1943, Serial No. 511,736. Divided and this application January 18, 1946, Serial No. 642,134

6 Claims. (Cl. 196—30)

1. The method of purifying petroleum products contaminated with dissolved catalytically active compounds of heavy metals selected from the group consisting of copper, iron, cobalt, manganese, and vanadium which comprises washing the petroleum product in the liquid state with a dilute aqueous solution of a member of the group consisting of thiourea, thiosemicarbazide, N-guanylthiourea, beta-amino ethyl mercaptan and dithiourea.

2,411,960
DOMESTIC APPLIANCE
John B. Dyer, Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application January 8, 1940, Serial No. 312,837. Divided and this application March 13, 1943, Serial No. 479,022
3 Claims. (Cl. 68—12)



1. A washing machine including a tub, means for supplying the tub with washing fluid, means for agitating the contents of the tub, a two-way alternative control device for selecting either the supply means or the agitating means, manually settable means for selectively varying the sum total time of operation of both of said means, a thermal device operable upon the attainment of a predetermined temperature for controlling said alternative device to control the change from the supply means to the agitating means, and means for electrically heating said thermal device concurrent with the supplying of washing fluid.

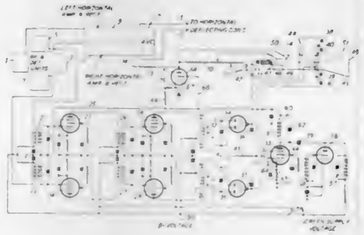
2,411,961
PROCESS FOR CATALYZED ABNORMAL ADDITION REACTIONS
Theodore W. Evans, Oakland, and William E. Vaughan and Frederick F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 26, 1944, Serial No. 542,242
12 Claims. (Cl. 204—163)

12. In a process for effecting reactions via abnormal addition, the steps of reacting an unsaturated organic compound containing an unsaturated linkage between two carbon atoms having a dissimilar number of hydrogen atoms attached thereto, with a compound selected from the class consisting of hydrogen sulfide and mercaptans in the presence of a metallo-hydrocarbon compound in which a carbon atom of the hydrocarbon radical is united directly to a metal of the fourth group of the periodic table which metallo-hydrocarbon is decomposed by photochemical radiations above 3000 Angstrom units, and effecting the reaction photochemically in the absence of peroxides and under the deliberate influence of photochemical radiations above 3000 Angstrom units but capable of decomposing said metallo-hydrocarbon compounds.

2,411,962
CATALYST AND PROCESS FOR THE PRODUCTION OF VINYL ESTERS
William Vance Freed, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 28, 1943, Serial No. 496,476
6 Claims. (Cl. 260—498)

1. In a process for the preparation of esters from acetylene and a saturated fatty monocarboxylic acid of the formula $C_nH_{2n+1}COOH$, wherein n is an integer from 1 to 5, the improvement which comprises bringing the acetylene and the carboxylic acid at an acetylene/acid ratio of 0.5/1 to 3.0/1, at a temperature in the range of 100–350° C., and in the vapor phase in contact with zinc chromite.

2,411,963
SIGNAL RECEIVER CIRCUIT
Roscoe H. George, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1942, Serial No. 440,820
8 Claims. (Cl. 315—22)

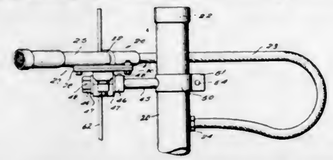


1. Signal reproducing apparatus comprising means to receive and amplify signal energy, a cathode ray tube having included therein means to develop an electron beam and means associated therewith for deflecting the developed electron beam under the control of applied energy, means to rectify the received and amplified signals, means to energize the beam deflecting means under the control of the said rectified signals, an automatic volume control tube, means included within the signal reproducing apparatus for locally generating alternating current energy for energizing said automatic volume control tube, means for applying the rectified energy to the control circuit of said automatic volume control tube, and means controlled by the ouput energy of the automatic volume control tube for varying the velocity of the developed cathode ray beam whereby the intensity of the light developed thereby varies with the variances in the intensity of the received signals.

2,411,964
AUTOMATIC SPRAYER
Henry George Grass, Dinuba, Calif.
Application September 26, 1944, Serial No. 555,835
2 Claims. (Cl. 299—37)

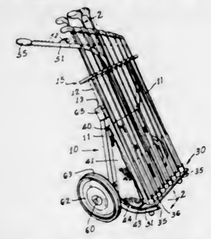
1. In a mounting for a nozzle adapted to be mounted in a pipe connected to a source of fluid, means for mounting said nozzle for oscillation in a vertical plane with respect to said pipe, and means for varying the angular relation of said nozzle to said pipe in a horizontal plane, said

last-mentioned means including a pair of plates, one of said plates being secured to said nozzle, and the other of said plates being secured to



said mounting means, and means for varying the relative position of said plates with respect to each other in a horizontal plane.

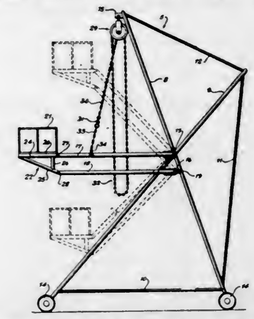
2,411,965
GOLF CLUB CART
Charles F. Hartung, San Marino, Calif.
Application June 2, 1945, Serial No. 597,231
8 Claims. (Cl. 280—51)



1. A golf club cart, including in combination: a rigid frame supported vertically on wheels mounted on an axle therefor which is affixed to said frame; racks forming the upper and lower ends of said frame, said upper rack including a plurality of clips suitable for the support of golf club necks, the handle ends of said golf clubs standing in socket receptacles affixed to said lower rack; a handle bar with detachable section, the stationary section of said handle bar forming part of said frame, and the detachable section thereof providing perforations therein to receive and sustain golf tees; a bag fabricated of pliable material to carry golf balls and other auxiliary equipment for the game, said bag being secured to said frame; and rods secured at their ends to said frame and passing through and supporting said bag at the top and bottom thereof, the bottom weight of said bag resting on a platform provided therefor at the bottom of said frame between said lower rack and said axle.

2,411,966
ELEVATING PLATFORM APPARATUS
Ray E. Hogan, Ardmore, Okla.
Substituted for application Serial No. 533,624, May 1, 1944. This application June 12, 1945, Serial No. 598,944
4 Claims. (Cl. 304—9)

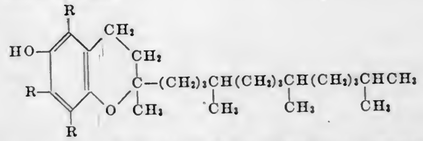
1. The combination of a portable hoist having a wheeled base, a standard fixedly mounted on said base, and a hoisting tackle freely suspended from the standard, with spaced brackets, an elevating platform secured on said brackets, means for positioning and maintaining the platform at a plurality of selected horizontal positions above the ground, said means consisting of a set of upper and lower arms having hinged connections at corresponding ends with said brackets, other hinge connections between the other ends of the arms and said standard, and a straddle chain having its ends secured to said upper arms, said



hoisting tackle including a depending operating element always within reach of and operable by a workman standing on said platform.

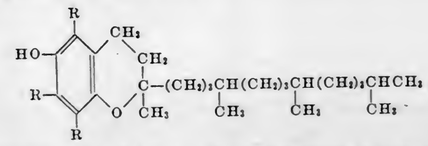
2,411,967
DL-TOCOPHEROLS AND PROCESS FOR THE MANUFACTURE OF SAME
Paul Karrer, Zurich, and Otto Isler, Basel, Switzerland, assignors to Hoffman-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application September 26, 1938, Serial No. 231,846. In Switzerland March 31, 1938
23 Claims. (Cl. 260—333)

1. A synthetic tocopherol, which is racemic at the C atom in position 2 of the chromane ring, of the formula

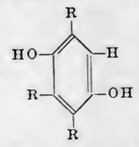


wherein two of the R radicals represent a methyl group and the third R radical represents a radical selected from the group consisting of hydrogen and methyl radicals.

9. In a process for the manufacture of a tocopherol product, the steps of producing a tocopherol of the formula

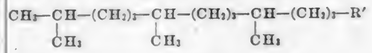


wherein two of the R radicals represent a methyl group and the third R radical a radical selected from the group consisting of hydrogen and methyl radicals, by condensing a methyl substituted hydroquinone of the formula

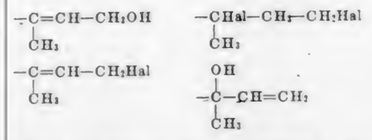


wherein two of the R radicals represent a methyl group and the third R radical represents a radi-

cal selected from the group consisting of hydrogen and methyl radicals, with an aliphatic diterpene derivative of the formula



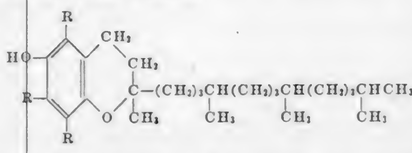
wherein R′ represents one of the following radicals:



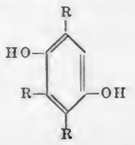
under acid conditions, and recovering a tocopherol product from the reaction mixture thus obtained.

2,411,968
PROCESS FOR THE PREPARATION OF SYNTHETIC DL-TOCOPHEROLS
Paul Karrer, Zurich, and Otto Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application August 12, 1941, Serial No. 406,554. In Switzerland March 31, 1938
10 Claims. (Cl. 260—333)

1. In a process for the manufacture of a tocopherol product, the steps of producing a tocopherol of the formula



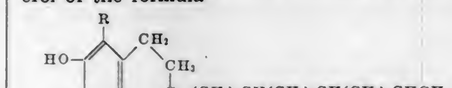
wherein two of the R radicals represent a methyl group and the third R radical a radical selected from the group consisting of hydrogen and methyl radicals, by condensing a methyl substituted hydroquinone of the formula



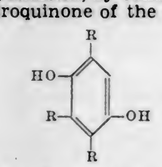
wherein two of the R radicals represent a methyl group and the third R radical represents a radical selected from the group consisting of hydrogen and methyl radicals, with phytol under acid conditions, and recovering a tocopherol product from the reaction mixture thus obtained.

2,411,969
PROCESS FOR THE PREPARATION OF SYNTHETIC DL-TOCOPHEROLS
Paul Karrer, Zurich, and Otto Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application August 12, 1941, Serial No. 406,555. In Switzerland March 31, 1938
14 Claims. (Cl. 260—333A)

1. In a process for the manufacture of a tocopherol product, the steps of producing a tocopherol of the formula



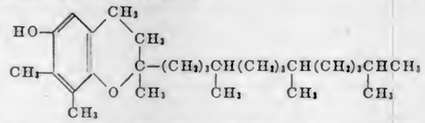
wherein two of the R radicals represent a methyl group and the third R radical represents a radical selected from the group consisting of hydrogen and methyl radicals, by condensing a methyl substituted hydroquinone of the formula



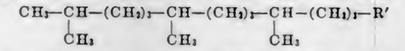
wherein two of the R radicals represent a methyl group and the third R radical represents a radical selected from the group consisting of hydrogen and methyl radicals, with isophytol under acid conditions, and recovering a tocopherol product from the reaction mixture thus obtained.

2,411,970
7,8-DIMETHYL TOCOL AND PROCESS FOR THE PREPARATION OF THE SAME
Paul Karrer, Zurich, and Otto Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application August 12, 1941, Serial No. 406,556. In Switzerland March 31, 1938
10 Claims. (Cl. 260—333)

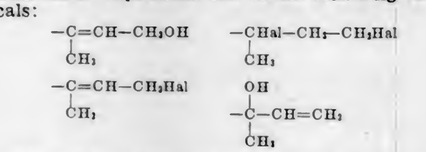
1. In a process for the manufacture of a tocopherol product, the steps of producing a tocopherol of the formula



by condensing 2,3-dimethylhydroquinone with an aliphatic di-terpene derivative of the formula

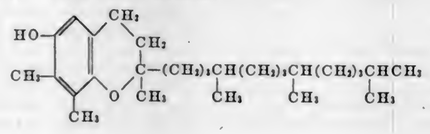


wherein R′ represents one of the following radicals:

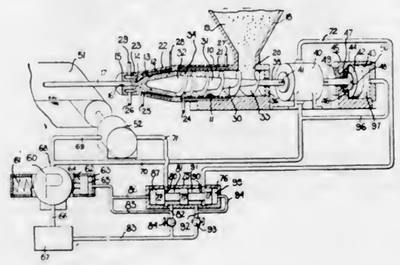


under acid conditions, and recovering a tocopherol product from the reaction mixture thus obtained.

9. A completely racemic synthetic gamma tocopherol of the formula

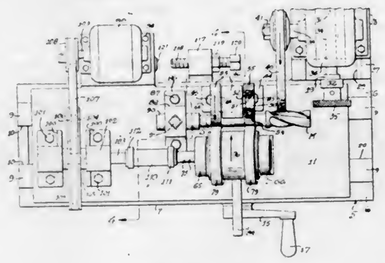


2,411,971
EXTRUSION MACHINE
Howard F. MacMillin, Mount Gilead, and Paul C. Pocock, Marion, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware
Application March 10, 1943, Serial No. 478,678
14 Claims. (Cl. 18—12)



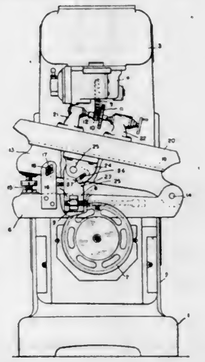
13. A machine for the extrusion of plastic material having an extrusion screw for feeding relatively constant quantities of plastic material through an extrusion die when the extrusion screw is rotated, means for maintaining said screw in a relatively fixed position comprising a hydraulic thrust bearing including a chamber and a piston in said chamber attached to said screw, a fluid circuit connected to said thrust bearing, means for driving said screw, and means in said fluid circuit and whereby to maintain said piston and screw in relatively fixed position despite torque changes effecting said screw.

2,411,972
CENTERLESS GRINDING MACHINE
William Melin, Grand Rapids, Mich.
Application March 10, 1945, Serial No. 582,029
6 Claims. (Cl. 51—95)



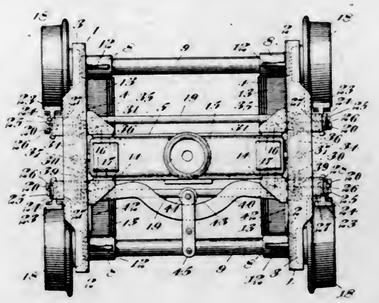
1. A grinding machine, comprising a base, a slide mounted for movement thereon, a grinding wheel carried by the base, work supporting rolls mounted on the slide to receive a work piece, a work driving roll mounted between the work supporting rolls and offset therefrom, a motor and speed-reducing mechanism mounted on the slide, and a flexible coupling connection between the speed-reducing mechanism and work driving roll, said motor being yieldingly connected to the work driving roll and said work driving roll being provided with resilient work engaging portions and disposed with its axis at an angle with respect to the axis of the work supporting rolls.

2,411,973
GEAR FINISHING
Max B. Mentley, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application January 2, 1943, Serial No. 471,162
6 Claims. (Cl. 90—1.6)



4. The method of shaving a shouldered gear which consists in meshing with such a gear a tapered shaving cutter of which the teeth are so arranged with relation to the teeth of the gear that, when the cutter is placed in correct mesh with the gear the cutter is inclined away from the shoulder of the gear and its axis is in crossed relation to the axis of the gear, and running the cutter and gear in mesh together.

2,411,974
CAR BRAKE
Louis G. Miller and Walter H. Statler, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application May 12, 1943, Serial No. 486,628
9 Claims. (Cl. 188—55)



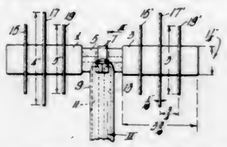
1. In a brake rigging for railway car trucks having side frames and two pairs of wheels, a brake beam at one side of each pair of wheels extending through and supported by said side frames, a brake lever and brake shoe having their central portions mounted directly on each extending end of the brake beams at opposite outer sides of the truck frame, means for directly connecting the lower ends of the brake levers together on each outer side of the truck frame, and means connected to the upper end of one pair of brake levers for actuating the brake levers.

2,411,975
PENCIL-LIKE IMPLEMENT
George D. Nelson, Los Angeles, Calif.
Application January 22, 1945, Serial No. 573,851
5 Claims. (Cl. 120—13)



4. A pencil-shaped implement for a stick of material, viz., crayon, eraser or the like, said implement comprising a casing having an elongated cylindrical wall, a screw thread on the inside of said wall, a nut in said casing rotatably fitting said screw thread, said nut having a shallow recess in the periphery thereof, a holder for the rear end of said stick on said nut, a rotatable cap on the rear end of said casing, and an elongated strip secured at its rear end to said cap and slidably receiving and fitting said recess, the forward end of said casing having an outlet for the stick.

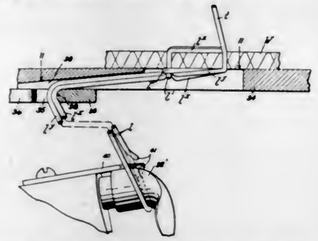
2,411,976
BROAD BAND RADIATOR
Donald W. Peterson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1944, Serial No. 552,095
8 Claims. (Cl. 250—11)



2. A radiator element for radio antenna systems including a cylindrical rod of conductive material and a plurality of flat circular plates of conductive material connected to said rod and disposed concentrically therewith in planes spaced longitudinally thereof and normal thereto, the spacing and the diameters of said plates being such that they form an approximately spherical outline centered approximately midway between the ends of said rod.

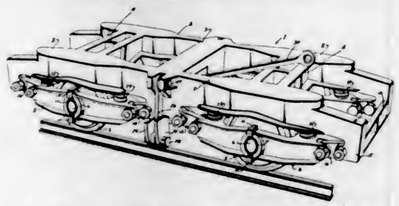
2,411,977
SEWING MACHINE
Joseph H. Pikul, West Newton, Mass., assignor to The Reece Corporation, a corporation of Maine
Application February 21, 1944, Serial No. 523,173
3 Claims. (Cl. 112—197)

1. In a sewing machine, the combination with a work support, a reciprocatory needle and a looper cooperating therewith in the formation of chain stitches in material, of a member between said looper and the work support movable from adjacent a first thread loop held on said looper toward and beyond the immediately



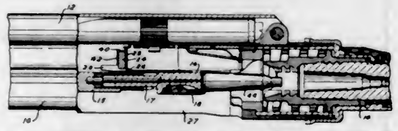
preceding, spaced thread loop in the material and adapted to engage and deflect both legs of said first loop to distend the same so that said immediately preceding thread loop is drawn toward the material and into wedging engagement with the legs of said first loop.

2,411,978
RAILWAY TRUCK
John H. Porteus, Wellesley, Mass., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application February 9, 1944, Serial No. 521,722
2 Claims. (Cl. 105—180)



1. A railway truck comprising, in combination, a truck frame, a plurality of individual wheel and axle assemblies, wheel frames in which the axles of said assemblies are supported, said wheel frames having a pair of mated yokes encircling a wheel and which are removably connected together along a plane intersecting the wheel axis, means for guiding said wheel frames relative to said truck frame including transversely extending links connected at their inner ends to the truck frame and at their outer ends to the portion of the wheel frame yoke disposed on the inner side of the wheels.

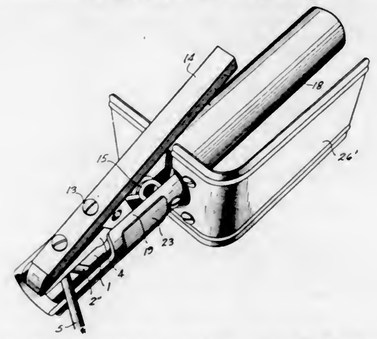
2,411,979
ORDNANCE
Francis I. Rataiczak, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 27, 1944, Serial No. 565,252
3 Claims. (Cl. 42—25)



1. In a rapid fire machine gun, a receiver, a receiver cover, a shell feedway mounted between

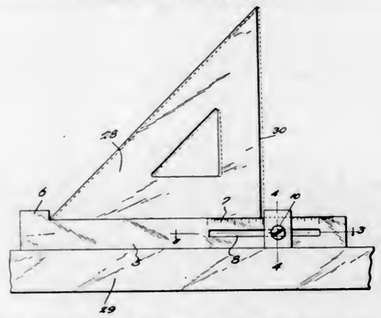
said receiver and receiver cover, a shell ejecting mechanism loosely carried by the rear wall of said feedway comprising a mounting bar extending transversely of the receiver between the cover and the receiver, a shell engaging cam depending from said bar and arranged so as to engage the upper rear edge of each empty shell upon extraction of the shell from the gun barrel, means carried by said feedway for pivotally supporting one end of said bar, the other end of said bar having a slot formed therein, and means carried by said feedway cooperating with said slot for limiting the pivotal movement of said bar.

2,411,980
ELECTRODE HOLDER
Clarence Ringwald, Springfield, Ohio
Application September 25, 1943, Serial No. 503,735
20 Claims. (Cl. 219—8)



12. An electrode holder, including a main member, an integral clamp jaw at one end thereof, a detachable coupling for an electric cable at the other end of the member, a spring actuated complementary clamp jaw pivoted to said member, a housing of insulating material enclosing said member and clamp jaws, having a cutaway portion affording access to one side only of the clamp jaws, a portion of said housing at the opposite side of the jaws affording a limiting stop for the end of a welding rod engaged by the jaws.

2,411,981
DRAFTING INSTRUMENT
Owen S. Shaffer, Omaha, Nebr., assignor of one-half to Eugene D. O'Sullivan, Omaha, Nebr.
Application May 11, 1944, Serial No. 535,055
1 Claim. (Cl. 33—110)



In a device of the class described for use with a triangle, a straight edge against which the triangle is adapted to be positioned in edge to edge engagement therewith and having an edge stop at one end for engagement by said triangle and a longitudinal slot therein adjacent its other end provided with rabbeted sides, an adjustable stop comprising a member slidably opposed to one side of the straight edge and having a flange overlying and fitting against the edge of the straight edge with which the triangle is adapted to be engaged, a slide fitted in said slot flush with the other side of the straight edge and having edge flanges fitted in said rabbeted sides of the slot, and a screw threaded through said member and slide to clamp the same to the sides of the straight edge.

2,411,982
PROCESS FOR MAKING POLYHALOGENATED STRAIGHT-CHAIN ALIPHATIC CARBOXYLIC ACID HALIDES
Clement W. Theobald, Christiana Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 28, 1944, Serial No. 565,571
5 Claims. (Cl. 260—544)

1. The process for obtaining a polychlorinated straight-chain, aliphatic carboxylic acid halide, which comprises heating a substantially anhydrous mixture comprising carbon monoxide and a polychlorinated ethane which contains from 3 to 5 chlorine atoms, said heating being effected under superatmospheric pressure at a temperature within the range of from 50° C. to 250° C. in the presence of a halide of a polyvalent inorganic element, said halide being a Friedel-Crafts catalyst.

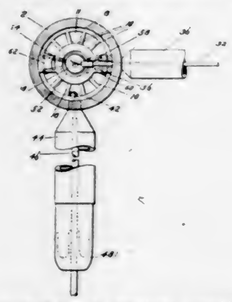
2,411,983
PROCESS FOR CATALYZED ABNORMAL ADDITION REACTIONS
William E. Vaughan and Frederick F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 24, 1944, Serial No. 542,028
13 Claims. (Cl. 204—163)

13. In a process for effecting reactions via abnormal addition, the steps of reacting an unsaturated organic compound containing an unsaturated linkage between two carbon atoms having a dissimilar number of hydrogen atoms attached thereto with a compound selected from the class consisting of hydrogen sulfide and mercaptans, in the presence of a carbonylic compound which is decomposed by light having a wave length above 3000 Angstrom units selected from the class consisting of ketones, aldehydes and acid halides, and effecting the reaction photochemically, in the absence of peroxides and under the deliberate influence of radiations above 3000 Angstrom units but capable of decomposing said carbonylic compound.

2,411,984
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
William C. Brown, Lincoln, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 27, 1944, Serial No. 537,694
14 Claims. (Cl. 250—27.5)

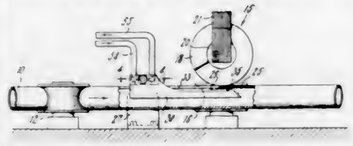
1. An electron discharge device comprising an envelope containing a cathode, an anode struc-

ture comprising a plurality of electron-receiving portions adjacent said cathode, and a cavity resonator interconnecting each pair of said electron-receiving portions, said resonators having inductance and capacitance, a tuning member, a support for said tuning member, said tuning



member comprising a central portion adjacent said anode structure and provided with supporting arms angularly disposed thereto, said arms being joined to said support at a predetermined angle to the surface thereof to which they are joined, said support and said tuning member having different coefficients of expansion.

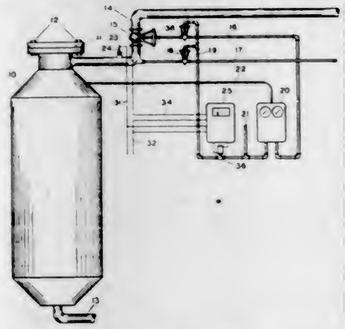
2,411,985
BURR REMOVER
Paul Cahen, Rio de Janeiro, Brazil
Application February 3, 1944, Serial No. 520,990
5 Claims. (Cl. 90—24)



1. A device for removing excess weld metal from a welded joint formed between a pair of juxtaposed metal edges as the edges are moved progressively past welding apparatus at a welding point to form a welded joint uniting the edges comprising an elongated element extending between and beneath such edges and along the path of movement thereof, said element including a plurality of peripherally congruent juxtaposed elongated plates, the peripheries of said plates being weld united to seal the same; a hardened member mounted on the inner end of said element and engaging the welded joint as the edges are moved progressively past the welding point to scrape excess metal from the welded joint; an inner one of said plates having cut-out portions forming, with the outer plates, a coolant passage in heat conductive relation with said member; means providing for introduction of coolant into said passage; and means providing for discharged coolant from said passage.

2,411,986
LIQUID-GAS-PHASE CONTROL
Robert D. Cowherd, Metairie, La., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application May 21, 1942, Serial No. 443,895
6 Claims. (Cl. 137—78)

1. In apparatus for regulating the venting of effluent through a conduit extending from a processing container evolving a normally gaseous effluent, means for discriminating between gaseous and liquid phases of said effluent in said conduit, control means sensitive to said discriminatory means in response to the presence



of a liquid phase in said effluent, and means brought into action by said control means in response to the presence of said liquid phase for controlling the admission of a flushing fluid to said conduit to flush the contents thereof back against the normal flow direction.

2,411,987
IDENTIFICATION BUTTON
Frank D'Antonio, San Francisco, Calif.
Application November 3, 1942, Serial No. 464,352
1 Claim. (Cl. 40—1.5)

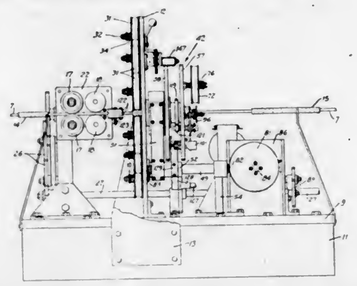


An identification button, or the like, comprising a disk-like body of relatively resilient plastic material formed with a shallow recess in one side thereof, a relatively thin disk bearing identifying insignia thereon secured in said recess, a pin carried by the bottom of said recess, said pin having a pair of spaced legs extending through said bottom and projecting a substantial distance from the side of said bottom opposite said recess and having a head connecting said legs and disposed between said disk and said bottom and against the latter, the resiliency of the plastic material of said bottom being such as to urge it into tight frictional engagement with said legs, and a portion of said body around the sides of said recess being crimped over the marginal portions of said disk for securing said disk against said head whereby said crimped portion and the said material frictionally engaging said legs will cooperate to secure said pin against movement axially of said legs relative to said bottom.

2,411,988
GRID MAKING MACHINE
Donald F. Drieschman, San Carlos, Gordon Shepherd, Burlingame, Mendel Rabinawitz, San Francisco, Almer M. Newhall, Jr., Palo Alto, and Harold E. Sorg, Redwood City, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application March 11, 1944, Serial No. 526,092
17 Claims. (Cl. 219—4)

1. Apparatus for making grids, comprising a mandrel, means for axially moving the mandrel,

mechanism operable upon movement of the mandrel for laying a plurality of wires longitudinally along the mandrel, means for winding

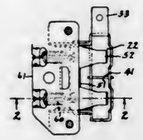


another wire helically about the mandrel, and means for uniting the wires at intersections thereof.

2,411,989
PAPER COATING
Henry V. Dunham, Bainbridge, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 5, 1942, Serial No. 429,680
9 Claims. (Cl. 117—156)

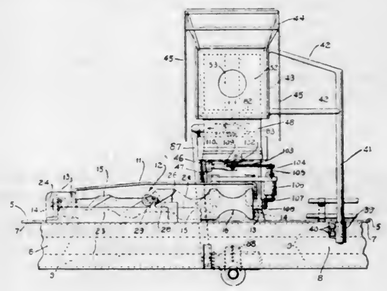
1. In paper coating, the process which consists in first leaching a high protein content seedmeal with about 4 to 10 times its own weight of an acid aqueous solution having an acid content equal to about 3.8 to 6 lbs. of hydrochloric acid solution of sp. gr. 1.18 to 1.19, per 100 lbs. of said seedmeal, thereby dissolving and removing the bulk of the carbohydrate gums, and without subjecting the said seedmeal material to a protein-denaturing treatment, mixing the degummed seedmeal material with an aqueous alkaline liquid of an alkalinity equal to about 1.67% of NaOH, and with a pigmentary material, and coating paper with said mixture.

2,411,990
BRUSH HOLDER FOR DYNAMOELECTRIC MACHINES
William C. Edmundson, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 13, 1944, Serial No. 535,483
3 Claims. (Cl. 171—324)



1. A brush holder assembly for a dynamo electric machine having a frame and a commutator comprising in combination; a pair of sheet metal stampings having a yoke and branches attached thereto, one of said stampings having long branches while the other has short branches, said short branches being hooked under the long branches and secured thereto in a manner so that the yokes are spaced apart to form an elongated opening; a plurality of brushes slidably mounted in the opening and capable of moving relative to each other; ears secured to the long branches at their free ends; a cross-piece attached to the long branches; a lever pivotally mounted to the long branches and beyond the yokes, said lever including fingers extending above the yoke nearest the pivotal point of the lever and into the opening; spring means having one end anchored to the cross-piece and having the other end attached to the lever to move the lever in one direction urging the fingers into engagement with respective brushes to move same against the commutator; and means for attaching the ears to the frame to hold the brush holder assembly in a fixed relation relative to the commutator.

2,411,991
APPARATUS FOR INTERIORLY INSPECTING OPAQUE CONTAINERS
Isaac W. England, Passaic, N. J., and William F. Punte, Syracuse, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 24, 1941, Serial No. 403,912
16 Claims. (Cl. 88—14)

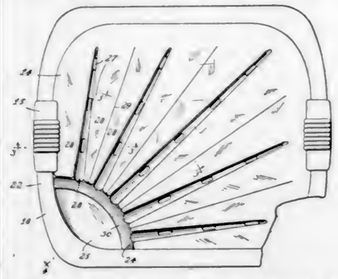


1. In apparatus for interiorly inspecting opaque containers open at one end, a visual inspection station, means for feeding containers to said station with the open ends thereof presented to view at said station, holding them for an inspection interval at said station, and then feeding them from said station, means at said station for effecting a visual inspection of the interiors of the temporarily held containers through the open ends thereof, and spring means engageable with each container held at said station for yieldably gripping and securing it against vibratory movement during the inspection thereof.

2,411,992
ALKYLATION OF PARAFFIN HYDROCARBONS
Aristid V. Grosse, Bronxville, N. Y., and Carl B. Linn, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 18, 1942, Serial No. 443,490
6 Claims. (Cl. 260—683.4)

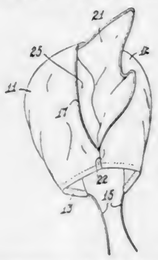
1. A process for the production of normally liquid saturated hydrocarbons which comprises reacting an isoparaffin with an olefin under alkylating conditions in the presence of an alkylation catalyst consisting essentially of a major proportion of hydrogen fluoride and a minor proportion of boron fluoride.

2,411,993
COMBINATION BROILER AND SERVER FOR DOMESTIC RANGES
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application September 1, 1939, Serial No. 293,115
6 Claims. (Cl. 99—425)



6. A broiler food support comprising, in combination, a drip pan having a dished central portion forming a drain receptacle, and a generally flat slab of pottery material removably seated on said pan above said dished portion, presenting a top surface to receive directly on it the food to be broiled, said slab by reason of the inherent characteristics of the pottery material thereof forming a heat insulating barrier overlying the contents of said drain receptacle.

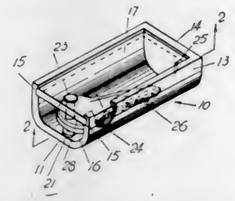
2,411,994
HAIR WAVING CAP
Nathan Hoffman, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application September 10, 1945, Serial No. 615,299
7 Claims. (Cl. 2—174)



1. A head covering comprising a hood having a portion covering the top, sides, and back of the head and also the back of the neck, means to secure the hood in position about the neck of the wearer, the rear part of the neck covering portion being continuous, said hood having a slotted opening extending upwardly from a point inwardly of the area of the rear part of the neck covering portion, so as to admit access to the interior of the hood when it is in place on the head, and a closure flap for said slotted opening coextensive with one side edge of the slot, the lower edge portion of the closure flap being free.

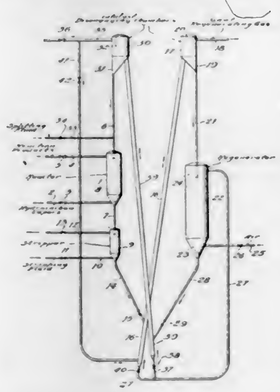
2,411,995
KEY CASE
John Jupin and Sophie Jupin, Newark, N. J.
Application August 11, 1945, Serial No. 610,260
5 Claims. (Cl. 70—456)

1. A key carrying case, comprising a casing open at the top and one end thereof and further comprising a pair of side walls, an end wall and a bottom wall, each of the side walls having a slideway, the said slideways being in alinement one with the other, a key carrying plate slidable under slight pressure in the said slideways, and means for limiting the sliding movement of said plate in an outward direction, said means com-



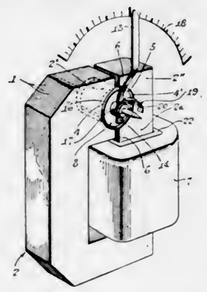
prising an inwardly extending pin on one of the side walls near the open end and an inwardly and downwardly extending pin on the key carrying plate spaced from the pin in the side wall and adapted to contact same when the said plate is slid outwardly through the open end for a predetermined distance.

2,411,996
METHOD FOR CATALYTIC CONVERSION
Louis S. Kassel, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 12, 1944, Serial No. 530,643
2 Claims. (Cl. 196—52)



1. A conversion process which comprises contacting hydrocarbons with subdivided solid catalyst in a reaction zone maintained under conversion conditions, simultaneously passing an oxygen-containing gas through a mass of contaminated catalyst particles in a regenerating zone maintained at combustion temperature to burn contaminants from the catalyst particles, supplying regenerated catalyst particles by gravity to the upper portion of the reaction zone from a separating zone disposed at a higher elevation than the reaction and regenerating zones, supplying contaminated catalyst particles by gravity to the upper portion of the regenerating zone from a second separating zone disposed at a higher elevation than the reaction and regenerating zones, removing contaminated catalyst from the lower portion of the reaction zone, removing regenerated catalyst from the lower portion of the regenerating zone, transporting the withdrawn regenerated catalyst particles upwardly to the first-named separating zone in suspension in combustion gases formed in the regenerating zone, separating the regenerated particles from the combustion gases in said first-named separating zone, suspending in at least a portion of the thus separated combustion gases the contaminated catalyst removed from the lower portion of the reaction zone, passing the resultant suspension upwardly into said second separating zone and therein separating the contaminated catalyst from the combustion gases.

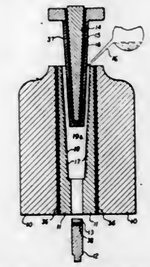
2,411,997
METER
Frederick G. Kelly, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application December 17, 1942, Serial No. 469,281
10 Claims. (Cl. 171—95)



1. In a meter of the moving magnet type: the combination of a core of magnetic material continuous throughout the length thereof and terminating in field poles having arcuate pole faces curved about a common center line therebetween and separated by air gaps at their adjacent peripheral edges; a coil associated with said core for producing a magnetic field between said field poles; and a magnet structure pivoted between said pole faces for response to changes in the magnetic flux produced by said coil, said magnet structure having arcuate pole shoes of high permeable material confronting said pole faces, said pole shoes having an angular length sufficient to span the peripheral gaps between said field poles, throughout a substantial angular range.

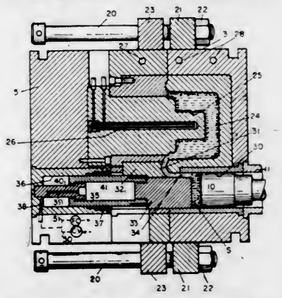
2,411,998
METHOD OF MAKING MOLDS
John F. Kelly and William J. Kelly, Elkins, W. Va., assignors to Kelly Foundry and Machine Company, Elkins, W. Va.
Original application September 18, 1939, Serial No. 295,551, now Patent No. 2,326,730, dated August 10, 1943. Divided and this application June 12, 1943, Serial No. 490,580
1 Claim. (Cl. 76—107)

The method of making a steel liner in a glass mold which consists in the steps of casting a liner of heat-resistant noncorrosive ferrous alloy with its outer surface against a thick chill wall to produce a liner the outer wall layer of which is chilled, cleaning the perimetral surface of the liner, heating the liner, casting a mass of cast iron around the perimetral surface of the heated liner to fuse the chilled portion of the liner and the exterior mass, and machining out the interior of the liner to provide a thin glass forming



mold surface in the outer portion of the chilled wall layer of the liner.

2,411,999
PRESSURE EXTRUSION MOLDING
Nathan Lester, Cleveland Heights, Ohio, assignor to Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application May 19, 1942, Serial No. 443,665
19 Claims. (Cl. 22—68)

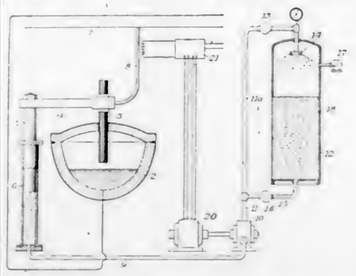


1. The method of casting a flowable material into a permanent mold consisting in the steps of forcing said material under pressure from a pressure chamber of given cross-sectional area through a constricted passageway of relatively smaller cross-sectional area into said mold in an amount sufficient to fill said mold and said passageway, and then, as incipient solidification of said material in said mold occurs, contracting the length of said passageway under the application of relatively greatly increased pressure, thereby forcing an additional amount of material from said passageway into said mold.

2,412,000
ELECTRIC ARC FURNACE
William E. Moore, Pittsburgh, Pa., assignor to Delaware Engineering Corporation, Pittsburgh, Pa., a corporation of Delaware
Application January 31, 1945, Serial No. 575,406
7 Claims. (Cl. 314—61)

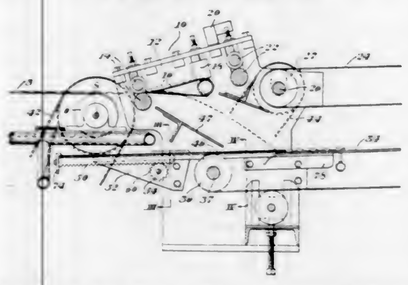
1. The method of operating an electrode mounting for an electric furnace in which there is a fluid pressure cylinder for raising and lowering the mounting, a source of fluid pressure connected with the cylinder to work in opposition to the weight of the electrode and its mounting with a reversible pump controlled by power flow to the electrode operatively disposed between the cylinder and fluid pressure source, which comprises continuously flowing the fluid from said

source through said pump and continuously maintaining the pressure of the fluid from said



source at a point sufficient to raise the electrode when the pump is not operating.

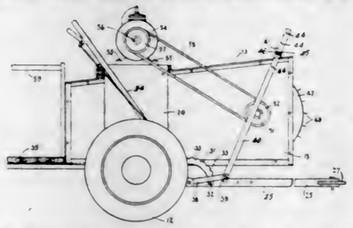
2,412,001
SHEET HANDLING MECHANISM
Earll R. Muddiman, Wilkinsburg, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application December 18, 1944, Serial No. 568,709
6 Claims. (Cl. 198—28)



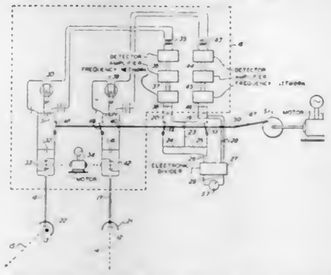
1. Sheet handling and conveying apparatus comprising a driven sheet conveyor, power driven means for feeding separate sheets sequentially thereto so that the forward ends of the sheets fall freely toward the conveyor, and skid means lying above the top surface of the conveyor and generally parallel thereto in a position to receive directly the forward ends of the sheets as they are fed toward the conveyor, said skid means being adjustable longitudinally of the conveyor to accommodate sheets of different lengths.

2,412,002
SEED STRIPPER
Walter N. Nelson, Fargo, N. Dak., and Louis A. Pazandak, Minneapolis, Minn., assignors to Newday Seeds Inc., Fargo, N. Dak., a corporation of North Dakota
Application October 28, 1943, Serial No. 508,004
7 Claims. (Cl. 280—6)

2. In combination, an axle, wheels supporting said axle, a frame, supporting plates rigid with an intermediate portion of said frame and upon said axle, a bracket rotatably supported by said axle, a draw bar rigid with said bracket and extending forwardly of said axle and frame, a quadrant supported by said draw bar, an upstanding manipulating lever pivoted upon said draw bar and supporting a detent selectively for engaging notches in said quadrant, a crank arm rigid with said upstanding lever and extending forwardly, and an upwardly extending link pivoted between said crank arm and a portion of said frame situated forwardly of said axle.

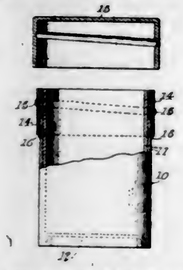


2,412,003
NAVIGATIONAL METHOD AND APPARATUS
Jacob Neufeld, Tulsa, Okla.
Application June 16, 1942, Serial No. 447,241
14 Claims. (Cl. 250—1.50)



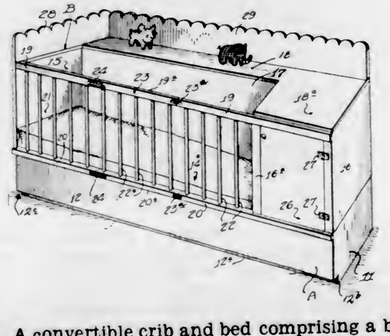
13. The method of investigating surroundings comprising wave reflecting objects in the neighborhood of a reference point, comprising the step of projecting radiant energy in selected directions from said point to said surroundings, receiving the energy reflected by said objects, producing signals representing respectively distances from said point to said objects along said selected directions, and combining said signals in order to produce a current the magnitude of which represents a relationship between said signals.

2,412,004
THREADED CLOSURE FOR PAPER CONTAINERS
Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 8, 1943, Serial No. 513,446
1 Claim. (Cl. 229—5.5)



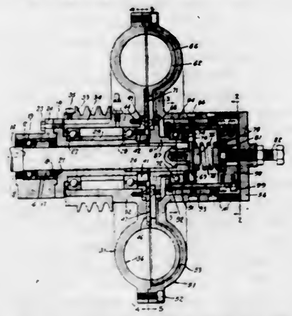
A fiber container comprising a cylindrical body portion, a fiber collar surrounding the upper end of said body portion having an outwardly projecting thread preformed therein and a layer of adhesive material disposed between said collar and the body wall and filling the thread groove on the inner face of the collar so as to provide a rigid projecting thread and a cover having a depending skirt with a groove therein conforming to the thread on the collar.

2,412,005
COMBINED BED AND CRIB
Gertrude M. Parsons, Wausau, Wis.
Application January 29, 1944, Serial No. 520,294
2 Claims. (Cl. 5—93)



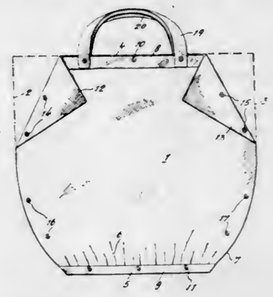
2. A convertible crib and bed comprising a base providing a mattress support, a crib defining superstructure conforming in exterior dimension to said base and adapted to be supported thereon, means securing said superstructure to said base, said superstructure including front wall means, an inset back wall and at least one inset end wall, said front wall means and inset end and back walls giving the superstructure a reduced interior dimension whereby to provide a crib mattress supporting area on said base, and horizontal shelves carried by said back and end walls of said superstructure whereby to cooperate with said back and end walls to provide both a storage area above and concealment for the portion of said base which is disposed outwardly of said superstructure back and end walls.

2,412,006
CLUTCH MECHANISM
Morris Pedersen, San Francisco, Calif.
Application June 4, 1945, Serial No. 597,454
9 Claims. (Cl. 192—3.2)



1. A clutch comprising a shaft to be driven, a first fluid clutch member mounted on said shaft for driving, a second fluid clutch member supported on said first member, said first and second fluid clutch members defining an annular fluid chamber, a third fluid clutch member slidably secured to said shaft and rotatable between said first and second fluid clutch members, friction clutch elements mounted on the annular portions of said first and third fluid clutch members, means urging said third clutch member to engage the friction clutch element thereon with the friction clutch element on said first clutch member, and means effective upon rotation of said first clutch member at a predetermined speed for separating said third clutch member from said first clutch member to disengage said friction clutch elements.

2,412,007
COMBINED HAND AND SHOPPING BAG
Celia Plapler, New York, N. Y.
Application February 17, 1944, Serial No. 522,697
2 Claims. (Cl. 150—1.7)

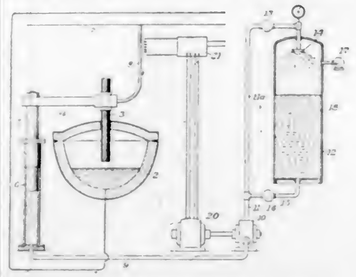


1. A combined hand and shopping bag comprising a pair of substantially rectangular pieces of fabric sewn together along three of the sides thereof to form a bag, the fourth side being the top of said bag and being open, said top when fully open being wider than the bottom, a handle secured to said top, the upper corners of said bag including part of the upper edge and sides being foldable inwardly, the lines of said folds when extended upwardly meeting at an acute angle, the bottom of said bag being shirred in fixed position to reduce the width thereof to approximate the width of said top with the corners folded in, said bottom having a plurality of fasteners spaced across substantially the entire bottom and the lower portion of the sides thereof, said fasteners being adapted to be removably attached to the said top and to the inclined edges of said folds, said structure providing a shopping bag when fully opened, a hand bag when folded, and a space within said fold for holding articles.

2,412,008
LAST
Louis W. Reinhardt, Brockton, Mass.
Application March 16, 1944, Serial No. 526,727
6 Claims. (Cl. 12—136)

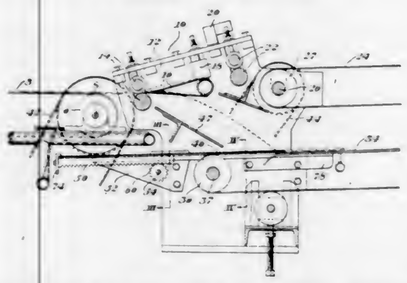
1. In a divided last, a fore part and a heel part having inclined faces contactable in a plane secant of the waistline zone of the last, a link connection pivotally connected to each permissive of the relative sliding and swinging of the parts, a bore extending from the upper face of the heel part forwardly and downwardly into the fore part and a locking member slidable in said bore between a position in which it locks the last

source through said pump and continuously maintaining the pressure of the fluid from said



source at a point sufficient to raise the electrode when the pump is not operating.

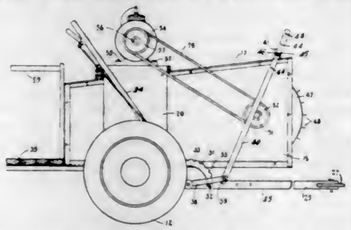
2,412,001
SHEET HANDLING MECHANISM
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6 Claims. (Cl. 198—28)



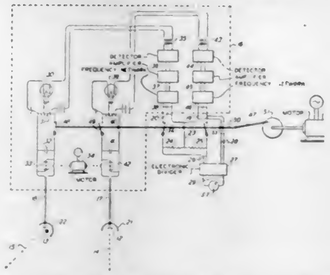
1. Sheet handling and conveying apparatus comprising a driven sheet conveyor, power driven means for feeding separate sheets sequentially thereto so that the forward ends of the sheets fall freely toward the conveyor, and skid means lying above the top surface of the conveyor and generally parallel thereto in a position to receive directly the forward ends of the sheets as they are fed toward the conveyor, said skid means being adjustable longitudinally of the conveyor to accommodate sheets of different lengths.

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Walter N. Nelson, Fargo, N. Dak., and Louis A. Pazandak, Minneapolis, Minn., assignors to Newday Seeds Inc., Fargo, N. Dak., a corporation of North Dakota
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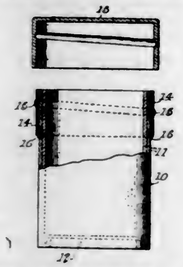


2,412,003
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Jacob Neufeld, Tulsa, Okla.
Application June 16, 1942, Serial No. 447,241
14 Claims. (Cl. 250—1.50)



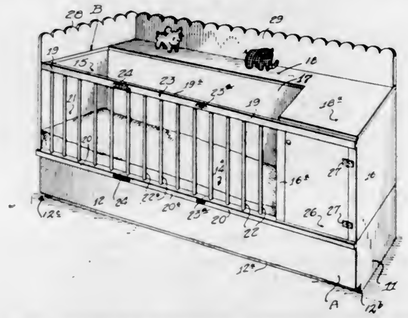
13. The method of investigating surroundings comprising wave reflecting objects in the neighborhood of a reference point, comprising the step of projecting radiant energy in selected directions from said point to said surroundings, receiving the energy reflected by said objects, producing signals representing respectively distances from said point to said objects along said selected directions, and combining said signals in order to produce a current the magnitude of which represents a relationship between said signals.

2,412,004
THREADED CLOSURE FOR PAPER CONTAINERS
Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 8, 1943, Serial No. 513,446
1 Claim. (Cl. 229—5.5)



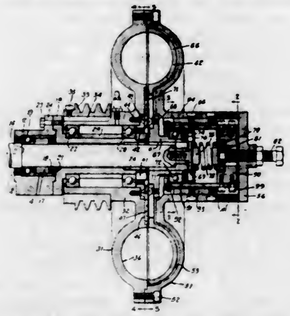
A fiber container comprising a cylindrical body portion, a fiber collar surrounding the upper end of said body portion having an outwardly projecting thread preformed therein and a layer of adhesive material disposed between said collar and the body wall and filling the thread groove on the inner face of the collar so as to provide a rigid projecting thread and a cover having a depending skirt with a groove therein conforming to the thread on the collar.

2,412,005
COMBINED BED AND CRIB
Gertrude M. Parsons, Wausau, Wis.
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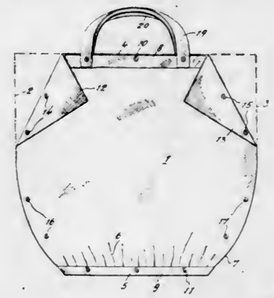
2. A convertible crib and bed comprising a base providing a mattress support, a crib defining superstructure conforming in exterior dimension to said base and adapted to be supported thereon, means securing said superstructure to said base, said superstructure including front wall means, an inset back wall and at least one inset end wall, said front wall means and inset end and back walls giving the superstructure a reduced interior dimension whereby to provide a crib mattress supporting area on said base, and horizontal shelves carried by said back and end walls of said superstructure whereby to cooperate with said back and end walls to provide both a storage area above and concealment for the portion of said base which is disposed outwardly of said superstructure back and end walls.

2,412,006
CLUTCH MECHANISM
Morris Pedersen, San Francisco, Calif.
Application June 4, 1945, Serial No. 597,454
9 Claims. (Cl. 192—3.2)



1. A clutch comprising a shaft to be driven, a first fluid clutch member mounted on said shaft for driving, a second fluid clutch member supported on said first member, said first and second fluid clutch members defining an annular fluid chamber, a third fluid clutch member slidably secured to said shaft and rotatable between said first and second fluid clutch members, friction clutch elements mounted on the annular portions of said first and third fluid clutch members, means urging said third clutch member to engage the friction clutch element thereon with the friction clutch element on said first clutch member, and means effective upon rotation of said first clutch member at a predetermined speed for separating said third clutch member from said first clutch member to disengage said friction clutch elements.

2,412,007
COMBINED HAND AND SHOPPING BAG
Celia Piapler, New York, N. Y.
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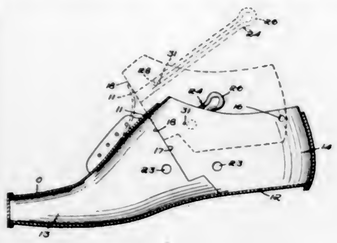


1. A combined hand and shopping bag comprising a pair of substantially rectangular pieces of fabric sewn together along three of the sides thereof to form a bag, the fourth side being the top of said bag and being open, said top when fully open being wider than the bottom, a handle secured to said top, the upper corners of said bag including part of the upper edge and sides being foldable inwardly, the lines of said folds when extended upwardly meeting at an acute angle, the bottom of said bag being shirred in fixed position to reduce the width thereof to approximate the width of said top with the corners folded in, said bottom having a plurality of fasteners spaced across substantially the entire bottom and the lower portion of the sides thereof, said fasteners being adapted to be removably attached to the said top and to the inclined edges of said folds, said structure providing a shopping bag when fully opened, a hand bag when folded, and a space within said fold for holding articles.

2,412,008
LAST
Louis W. Reinhardt, Brockton, Mass.
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6 Claims. (Cl. 12—136)

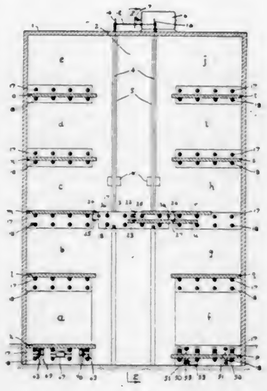
1. In a divided last, a fore part and a heel part having inclined faces contactable in a plane secant of the waistline zone of the last, a link connection pivotally connected to each permissive of the relative sliding and swinging of the parts, a bore extending from the upper face of the heel part forwardly and downwardly into the fore part and a locking member slidable in said bore between a position in which it locks the last

parts together and a position in which the last parts are unlocked, said member consisting of a pair of resilient arms and a head, the end of



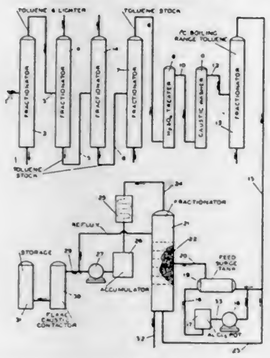
one arm being inturned to meet the other arm, and a keeper pin disposed transversely between said spaced arms to limit rearward movement of said member to establish the unlocked position.

2,412,009
APPARATUS FOR HANDLING VEHICLES
Martin Rickland, Durban, Natal, Union of South Africa
Application December 26, 1944, Serial No. 569,880
In the Union of South Africa January 13, 1944
6 Claims. (Cl. 214—16.1)



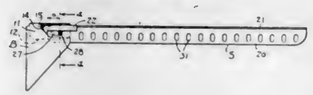
1. Apparatus of the character described comprising, in combination, a series of superposed parking compartments constituted within a framework, a transfer shaft provided in adjacency to said series of compartments and accessible thereto, a hoist arranged for movement in said shaft, vertically spaced platform supporting means at the level of each compartment, similarly vertically spaced platform supporting means on said hoist, means for moving said hoist within said transfer shaft so that the spaced platform supporting means thereof may selectively be brought into alignment with the platform supporting means of any compartment, a platform on the supporting means of each compartment and of said hoist, and means for moving the platform of said hoist horizontally onto juxtaposed aligned platform supporting means of a compartment and vice versa, and for moving the platform of the latter horizontally onto the aligned platform supporting means of said hoist and vice versa.

2,412,010
PURIFICATION OF TOLUENE
Walter L. Rippeteau, Jr., Baltimore, Md., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 24, 1944, Serial No. 532,493
6 Claims. (Cl. 260—674)



1. A process for refining a close cut aromatic hydrocarbon fraction containing undesirable unsaturated hydrocarbon impurities, which comprises distilling the aromatic hydrocarbon fraction in the presence of anhydrous aluminum chloride and metallic iron whereby the unsaturated hydrocarbon impurities combine with the aluminum chloride to form a sludge-like material, the metallic iron being disposed in the vapor phase portion of the distillation apparatus and the aluminum chloride disposed in the liquid phase portion, said metallic iron promoting the formation of said sludge-like material.

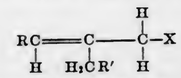
2,412,011
GARMENT RACK
Arthur E. Sanderson, San Pedro, Calif.
Application February 12, 1945, Serial No. 577,504
2 Claims. (Cl. 211—99)



2. A garment rack comprising: a sheet metal bracket including an attaching plate having angularly disposed cheek plates in spaced parallel relation and connected across the top thereof to provide a fixed abutment surface; a sheet metal garment supporting arm of inverted L-shaped cross section providing a vertical flange and a horizontal flange return bent upon the vertical flange along one end portion of the arm; said end portion of the arm being closely received between said cheek plates and having a slot whose length extends longitudinally of the arm; and a pin mounted in the cheek plates and passing through said slot; said end portion of the arm co-acting with said fixed abutment to sustain the arm against lowering movement when the arm is longitudinally adjusted to dispose the pin at the inner end of the slot, and to be clear of the abutment when the arm is longitudinally adjusted to dispose the pin at the other end of the slot, so that the arm will be free to gravitate about the axis of the pin.

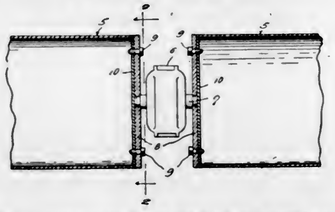
2,412,012
PREPARATION OF ALDEHYDES AND ACETALS
Louis Schmerling and Vladimir N. Ipatieff, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 27, 1944, Serial No. 528,346
6 Claims. (Cl. 260—601)

1. A process which comprises reacting an alcohol and a compound having the general formula:



where R and R′ are selected from the group consisting of hydrogen and alkyl radicals and X is a halogen, said reaction being effected at a temperature between about 100° C. and about 250° C.

2,412,013
COUPLING FOR DRIVE ROLLS
Harley O. Shade, Martinsburg, W. Va.
Application August 18, 1943, Serial No. 499,131
2 Claims. (Cl. 64—1)



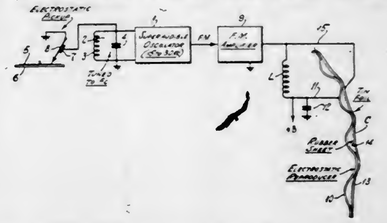
1. The combination of axially aligned rolls of a textile machine, said rolls having opposed flat ends defining parallel planes, connecting means joining said opposed flat ends, said connecting means comprising a bearing, a shaft supported in said bearing, the ends of said shaft extending axially from said bearing, disk plates fixedly secured to the ends of said shaft, said disk plates located in parallel planes in a flush condition circumferentially of said rolls and flatly against said opposed flat ends, means detachably securing said disk plates to said parallel flat ends.

2,412,014
MANUFACTURE OF FORMALDEHYDE
Thomas K. Sherwood, Wellesley, Mass., assignor to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts
Application November 19, 1943, Serial No. 510,898
6 Claims. (Cl. 260—604)

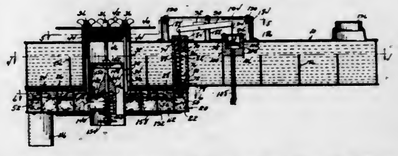
1. The process of making formaldehyde from natural gas which includes the steps of heating a mixture of methane and air with NO_2 to a temperature above 1100° F., and then immediately and before any substantial decomposition can take place, cooling the vaporized product by direct contact with a cool formaldehyde solution.

2,412,015
ANGLE MODULATED WAVE REPRODUCING SYSTEM
Chester M. Sinnett, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 20, 1944, Serial No. 527,264
19 Claims. (Cl. 179—100.4)

1. In a system for reproducing frequency modulated carrier waves, a resonant descriminator circuit including as the capacitative element thereof an electrostatic reproducer, and said discriminator circuit being tuned to a frequency which is substantially off-resonance with respect to the mean frequency of frequency modulated waves applied to the discriminator circuit.

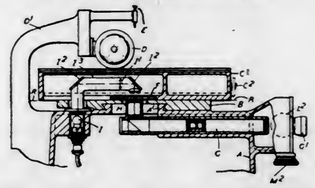


2,412,016
HUMIDIFIER FOR INTERNAL-COMBUSTION ENGINES
James F. Talbott, Baltimore, Md.
Application August 21, 1942, Serial No. 455,679
4 Claims. (Cl. 261—99)



1. A vaporizer comprising a casing having an inlet for air and an outlet for humidified gas and a spiral passage extending from the inlet to the outlet a sheet of copper wire mesh over the top of said casing, a resilient gasket on said mesh to insulate and close said casing, an absorbent packing in said passage, and a spiral water supply tube located in said passage embedded within said packing and provided with spray openings, the tube being provided with a water inlet opening.

2,412,017
MEASURING APPARATUS
Mark Herschel Taylor and Thomas William Clifford, Leicester, England, assignors to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application January 3, 1944, Serial No. 516,872
In Great Britain December 2, 1942
12 Claims. (Cl. 51—165)



1. Apparatus for accurately determining the position of a point in a reference plane in accordance with two Cartesian coordinates, comprising a support, a grid carried by the support and consisting of two sets of lines equally spaced apart in mutually perpendicular directions and arranged in and movable in all directions parallel to the reference plane, a measuring microscope carried by the support, a fixed graticule

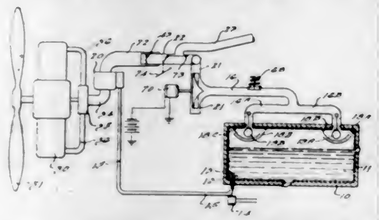
on the microscope having a pair of crossed reference lines thereon, two movable graticules on the microscope each graticule having a linear scale thereon, the two sets of grid lines, the crossed reference lines and the graticule scales being viewed by the microscope in the reference plane with the graticule scales intersecting the two sets of grid lines at right angles whilst the crossed reference lines are parallel to the two sets of grid lines respectively, and means whereby each movable graticule is adjusted independently in directions inclined to the length of the reference line parallel to the scale of that graticule by an angle whose tangent is represented by the distance between adjacent grid lines divided by the length of the graticule scale, the transverse component of the graticule movement from zero setting, when the zero of the scale lies on the reference line normal to the scale, moving the graticule scale along that reference line until, at maximum setting of the graticule, the maximum graduation thereon lies on the said reference line at a distance from the original position of the zero equal to the spacing between the grid lines, so that the grid lines, in cooperation with the reference lines, measure the movement of the grid relatively to the origin in the integers of the two coordinates whilst the graticule scales in cooperation with the reference lines respectively measure the fractions of the two coordinates, the grid, when arranged with two of its mutually perpendicular lines in registration respectively with the graticule scales by which the fractional settings have been made, being accurately in the position relatively to the origin of the fixed graticule in accordance with the two coordinates.

2,412,018
RAILROAD FUSEE
John Vinton, San Francisco, and Douglas MacMillan, Berkeley, Calif.
Application September 20, 1943, Serial No. 503,074
3 Claims. (Cl. 102—37.8)



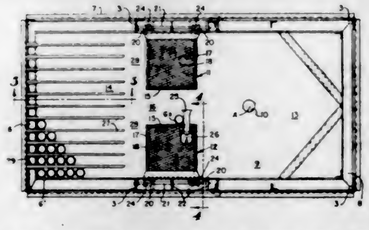
1. A fusee or flare consisting of an elongated tubular container having an open end and an outer wall in which are formed a plurality of spaced perforations, a porous colored gas evolving composition filling said container and adapted to burn therein for a substantial time period from one end to the other end of the container, said composition forming a substantially solid mass of ash upon ignition in said container, sealing off unburned composition from said end and forcing gas evolved from the burning portion of said composition to issue through those perforatios adjacent to the burning portion, and a friction ignitable pellet positioned over said open container end, said pellet upon ignition inducing burning of said composition and sealing over said open end to force initial gas emission through the perforate side wall.

2,412,019
WAR VEHICLE FUEL TANK
Brooks Walker, Arlington, Va.
Application April 18, 1942, Serial No. 439,533
8 Claims. (Cl. 123—136)



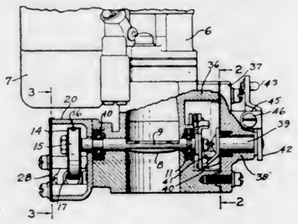
8. The combination with a fuel tank for a vehicle and a fuel consuming engine by which the vehicle is driven, fuel supply means for the engine including a pump a suction and gas discharge producing device connected to said tank for producing a partial vacuum therein, a regulating valve in the suction portion of said device for controlling the amount of vacuum produced in said tank, means for connecting the discharge portion of said device to the fuel supply for the engine, and means for connecting said discharge portion to the atmosphere and means for regulating the ratio of discharge of said gas which is delivered to the fuel supply for the engine and to the atmosphere.

2,412,020
WORKING PLATFORM ARRANGEMENT FOR PORTABLE DERRICKS
William D. Walters, Garden Villas, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application June 15, 1945, Serial No. 599,714
19 Claims. (Cl. 304—14)



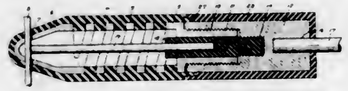
1. In a derrick having in the upper part thereof a structure defining a derrick area, the combination of: a pair of platforms, each extending in from an intermediate portion of an opposite side of the derrick structure with the inner edges thereof spaced apart so as to define in said derrick area a working zone and a racking zone and a mouth connecting said zones through which the upper portion of a pipe may be passed from one of said zones to the other, said platforms having their inner edges spaced so that a workman can stand straddling said mouth and said working and racking zones expanding adjacent the ends of said platforms to the full width of the derrick area.

2,412,021
CARBURETOR THROTTLE CONTROL
John Frank Weakley, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 5, 1943, Serial No. 481,846
7 Claims. (Cl. 137—139)



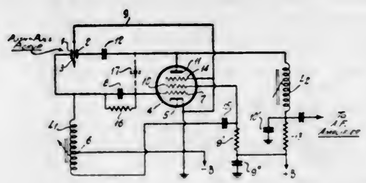
1. In combination with an internal combustion engine intake conduit, a throttle therein, means to yieldingly open said throttle, a device for closing said throttle against said means, readily accessible means to adjustably limit the closing of said throttle for normal idling, and an additional, less accessible device to prevent closing of said valve far enough to cause wedging or sticking thereof in said conduit.

2,412,022
WELDING DEVICE
Glenn M. Whitmore, Oakland, Calif.
Application May 10, 1944, Serial No. 534,904
8 Claims. (Cl. 219—8)



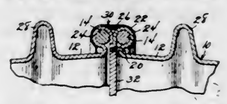
1. A welding electrode holder comprising a hollow body formed in the shape of a coil and connected to a welding circuit, a hollow head at one end of said body adapted to receive a welding electrode therethrough and to conduct the welding current to said electrode, a core positioned longitudinally in the magnetic field of said coil and extended into said head, and means to press said core in clamping contact with said welding electrode.

2,412,023
TRANSDUCER SYSTEM
Harry J. Woll, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application December 1, 1944, Serial No. 566,143
8 Claims. (Cl. 178—100.4)



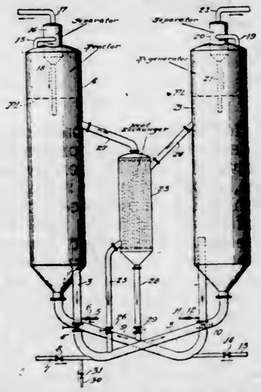
1. In combination, a tube provided with an oscillator section and an output electrode, means connected to said oscillator section to provide angle modulated oscillations which have a predetermined mean frequency, a resonant circuit coupled to said output electrode, electron coupling between said oscillator section and said output electrode developing said angle modulated oscillations in the circuit connected to said output electrode, said resonant circuit being tuned to a frequency different from said mean frequency by a predetermined value, means responsive to operation of said first-named means for providing frequency changes at the output electrode resonant circuit, a feedback coupling from the resonant output circuit to said oscillator section, and resistive means in circuit with the output electrode for developing a voltage representative of the said angle modulation.

2,412,024
SECTIONAL CONTAINER
Harry S. Young, South Williamsport, Pa.
Application October 11, 1943, Serial No. 505,827
2 Claims. (Cl. 220—5)



1. A drum comprising two sheet metal half drum sections circumferentially joined, the edge portions of which are bent backwardly upon themselves to form U-shaped recesses, then curved outwardly and around to form annular circular beads and then inwardly to form annular circular flanges, reinforcing rods inside said beads, and a rupturable hoop having the outer edges thereof bent to conform to and contact said beads to hold the sections in connected relationship with said flanges engaging face to face, said flanges being provided with openings and dowels, with the dowels in each flange fitting the openings in the other flange to restrain the sections from relative rotation.

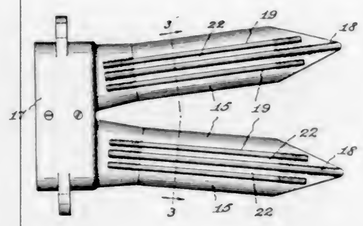
2,412,025
CATALYTIC CONVERSION OF HYDROCARBONS
Gordon B. Zimmerman, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 24, 1942, Serial No. 459,548
1 Claim. (Cl. 196—52)



A conversion process which comprises endothermically reacting a fluid reactant in the pres-

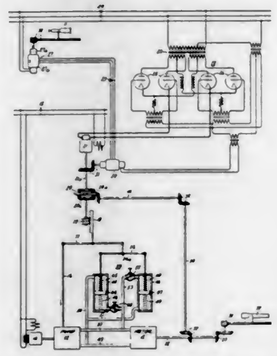
ence of subdivided solid catalyst in a reaction zone, simultaneously exothermically regenerating solid catalyst in a regenerating zone, maintaining a relatively dense catalyst bed in each of said zones, removing a first stream and a second stream of heated catalyst from the regenerating zone at spaced points below the upper surface of the bed in the regenerating zone, simultaneously removing a first stream and a second stream of cooler catalyst from the reaction zone at spaced points below the upper surface of the bed in the reaction zone, transporting said first stream of heated catalyst to the reaction zone in suspension in at least a portion of the fluid reactant to be endothermically reacted in this zone and introducing the suspension into the lower portion of the catalyst bed in the reaction zone, transporting said first stream of cooler catalyst to the regenerating zone in suspension in an oxygen-containing gas and introducing this suspension into the lower portion of the catalyst bed in the regenerating zone, passing said second stream of heated catalyst and said second stream of cooler catalyst in indirect heat exchange relation with each other, thereafter commingling said second stream of heated catalyst with said first stream of cooler catalyst being transported to the regenerating zone in suspension in said oxygen-containing gas, and commingling said second stream of cooler catalyst, after its heat exchange as aforesaid, with said first stream of heated catalyst being transported to the reaction zone in suspension in the fluid reactant.

2,412,026
MACHINE FOR FILLING VALVE BAGS
Clark Austin Adams, Limona, Fla., assignor to Tennessee Corporation, New York, N. Y., a corporation of New York
Application November 18, 1943, Serial No. 510,737
1 Claim. (Cl. 226—48)



Apparatus for filling valve bags comprising a filling tube adapted to extend horizontally inward through a valve of a bag for conveying material into the same, a pair of outer members consisting of independent bars mounted and fixed upon the upper surface of said filling tube and extending lengthwise thereof in spaced parallel relation to each other, and an intermediate member formed by an independent bar mounted and fixed upon said upper surface and extending between and beyond said outer bars at one end in spaced parallel relation with said outer bars to provide spaced parallel open venting channels between adjacent bars for establishing free communication between the atmosphere and the interior of the bag to thereby permit air to progressively escape therefrom during the filling operation.

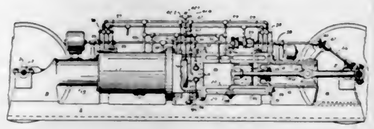
2,412,027
CONTROL SYSTEM
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 23, 1936, Serial No. 81,426
12 Claims. (Cl. 60—53)



1. In combination with a pilot device and driven object, hydraulic driving means for said object comprising a fluid motor connected to said object, means for supplying fluid under pressure to said motor, means responsive to positional disagreement of said device and object for controlling the supply of fluid to said motor, and anti-hunting means responsive to rate of change of torque of said driving means for controlling the supply of fluid to said motor.

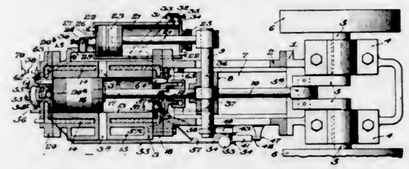
12. A hydraulic power system, comprising a fluid motor, a pump to supply fluid under pressure to said motor, and anti-hunting means responsive to rate of change of torque of said motor for controlling the supply of fluid to said motor.

2,412,028
DIESEL ENGINE
Norman G. Baker, Leavenworth, Kans.
Application March 30, 1943, Serial No. 481,141
10 Claims. (Cl. 123—25)



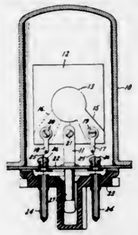
1. An internal combustion engine comprising a base, a pair of closed cylinders mounted thereon in axial alignment, each having front and rear heads, a firing chamber and a pre-compression chamber in the cylinders respectively with piston rods extending through the rear heads and arranged to drive crankshafts, an intermediate chamber between the front heads, turbulence chambers in said intermediate chamber united to the front heads wherein compressed air and fuel may be mixed, open ports from the turbulence chambers and through the heads into the firing chambers to admit the firing charges into the firing chambers respectively prior to, during and following ignition, and a system of pumps and valves actuated indirectly by the crankshafts to force and control the admission of air and fuel to the turbulence chambers and to exhaust the burnt gases at or near the end of the power stroke.

2,412,029
DIESEL ENGINE
Norman G. Baker, Laredo, Tex.
Application April 25, 1944, Serial No. 532,618
18 Claims. (Cl. 123—61)



3. A Diesel engine of the character specified, comprising a crank shaft; a cylinder having exhaust ports at its mid-length; a double-headed piston in said cylinder operating said crank shaft; cylinder heads respectively having firing nozzles at the ends of the cylinder; an air tank; a fuel pressure tank; valved air ducts leading from the air tank through the cylinder heads respectively; valved fuel preheating ducts in the cylinder heads respectively disposed around the firing nozzles; ducts leading from the fuel pressure tank into said preheating ducts respectively; means operated by the piston for actuating the air valves to admit scavenging air into the ends of the cylinder after each firing stroke, said excess air being pre-compressed therein by the next firing stroke; and means operated by the piston for admitting fuel into the firing nozzles of the heads just prior to each firing stroke, whereby said engine will have two firing strokes for each revolution of the crank shaft.

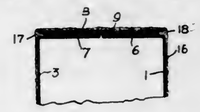
2,412,030
PIEZOELECTRIC CRYSTAL MOUNTING
Charles F. Baldwin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 27, 1938, Serial No. 237,237
28 Claims. (Cl. 171—327)



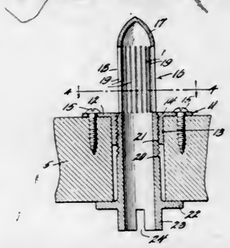
1. A piezo-electric crystal whose operating frequency is higher than its fundamental frequency and greater than a megacycle, said crystal having an aperture formed therethrough near the periphery thereof, and supporting means extending through said aperture and secured to said crystal in rigid supporting relation therewith.

2,412,031
CARTON FOR SEALING BY IMMERSION
Samuel Bergstein, Cincinnati, Ohio, assignor to Robert Morris Bergstein and Frank David Bergstein, trustees
Application June 5, 1944, Serial No. 538,764
7 Claims. (Cl. 229—37)

1. A carton blank having enclosing body walls in articulation and end closure flaps articulated to said body walls, said end closure flaps adapted to be folded in sequence to form a plural layered closure in which the flaps lie in face-to-face engagement and adhesive union, one of said flaps being an outer flap dimensioned to cover the entire end cross-section of said body, another of said closure flaps being an intermediate flap similarly dimensioned to cover the entire end cross-section of said carton body, excepting that edge portions thereof where exposed in the closure are slightly recessed so as to extend inwardly of the corresponding edges of the outer flap to form recesses in said closure adapted to be filled with sealing substance.



2,412,032
DISTRIBUTION NOZZLE FOR FILTERS AND THE LIKE
James Bill, Jr., Woodbury, N. J.
Application May 10, 1945, Serial No. 593,007
2 Claims. (Cl. 210—171)

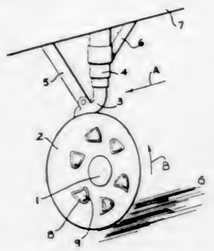


2. In a filtering tank having a false bottom, an internally threaded cylindrical socket fitted in the top surface of the said bottom, a cylindrical projectile-like shaped nozzle closed at it upper end, the nozzle provided with a plurality of slots extending around its circumference, the lower portion of the nozzle being slightly larger in diameter than the upper portion and provided with external threads adapted to fit within the threads of the socket, a flange near the lower end of the nozzle and adapted to seat against the undersurface of the false bottom to thus bind the nozzle from the opposite side of the false bottom the lower end of the nozzle also provided with receptive means adapted to receive a tool for threading the said nozzle into and out of its receptive socket, from the undersurface of said false bottom.

2,412,033
TIRE PREROTATING DEVICE
Bernard L. Crosby, Seattle, Wash.
Application March 23, 1942, Serial No. 435,767
1 Claim. (Cl. 244—103)

A tire pre-rotating device for airplane landing gears, comprising a plurality of patches spaced circumferentially around a side wall of the tire, each patch including a base sheet adhesively joined contiguously over its entire area to the tire, and a single pocket only carried by the base sheet, normally self-sustaining in open position, and incorporating a pocket sheet of flexible material having its edges meeting said base sheet well inwardly from the base sheet

edges to leave exposed a marginal portion thereof of substantial width, one edge of such pocket being free and of a length greater than the intercept on said base sheet between the ends of such edge, said pocket sheet being made of material sufficiently stiff to stand away from the base sheet for forming an opening facing opposite to the direction of tire rotation to catch the relative air stream throughout a substantial part of each rotation of the tire, but the material of the pocket sheet being sufficiently limp to render the pocket collapsible substantially flat



against the base sheet by flow of air of the relative air stream over the tire throughout the remainder of such rotation during flight of the airplane, and said pocket sheet having a small aperture through the edge portion thereof remote from said unsecured edge, operable, when such unsecured pocket edge is at the upstream side of the pocket, for scavenging therethrough foreign material collected in such pocket impelled by the force of air blowing between said base sheet and said pocket sheet and out through such aperture, to clear the pocket.

2,412,034

SYNTHETIC COMPOSITIONS AND PRODUCTS HAVING MOLECULARLY ORIENTED STRUCTURE

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application June 4, 1942, Serial No. 445,808
2 Claims. (Cl. 28—82)

1. A molecularly oriented fiber showing a characteristic crystalline X-ray diffraction pattern which comprises a cold-drawn copolymer of (1) acrylonitrile, (2) ethyl acrylate and (3) ethyl methacrylate, the acrylonitrile being present in the proportion of 40% to 80% and the ethyl esters of the acrylic acids being present in total proportion of 20% to 60%, the sum of (1), (2), and (3) in said copolymer being equal to 100%.

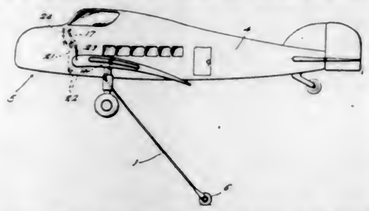
2,412,035

AIRCRAFT LANDING SIGNAL DEVICE

Henry J. Dornak, Houston, Tex.

Application October 21, 1943, Serial No. 507,162
1 Claim. (Cl. 116—28)

In an aircraft landing signal device, a supporting structure, a horizontal shaft journaled in said supporting structure and having a drum and a sprocket wheel secured thereon, a sprocket chain trained over said sprocket wheel, a cable for connecting one end of said chain with an arm of a feeler pole, an elastic tension spring connected to the other end of said chain for rotating said shaft in one direction, a stronger elastic tension spring connected to said cable for rotating the shaft in the opposite direction, an indicator having a movable pointer, a spring for moving said pointer in one direction, a cable attached to said drum and connected to said pointer for moving the latter in the opposite direction, a hand-lever pivoted on said shaft, means to releasably connect said lever to said shaft so that the lever may be used to rotate the



shaft in said one direction against the action of said stronger spring and so that the shaft may be freed to rotate in the opposite direction under the influence of said stronger spring, and means to releasably latch the lever to the supporting structure to prevent rotation of the shaft under the influence of said stronger spring when said lever is connected to said shaft.

2,412,036

THIOLACETIC ACID

Ellsworth Knowlton Ellingboe, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 20, 1943, Serial No. 479,918
2 Claims. (Cl. 260—500)

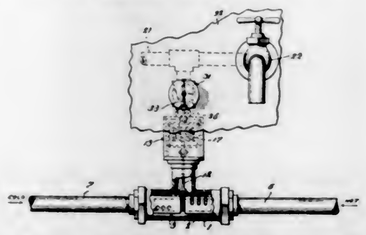
1. A process for the preparation of thiolacetic acid which comprises reacting acetic anhydride with hydrogen sulfide in the presence of sodium acetate.

2,412,037

WATER CONTROL FOR SPIGOTS, ETC.

Landon W. Ferrell, Knoxville, Tenn.

Application April 28, 1944, Serial No. 533,192
3 Claims. (Cl. 236—12)



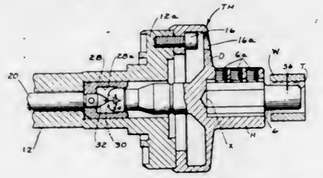
1. In a mechanism of the class described, the combination of a valve casing, separate sleeves in said valve casing and extending inwardly from its ends, one of said sleeves being provided with a plurality of hot water openings at its top and the other sleeve being provided with a plurality of cold water openings on its side, a rotary valve within said sleeves provided with sets of hot and cold water openings being adapted to register with the corresponding openings of said sleeves at predetermined times, a thermostat housing on said valve casing, a thermostat frame slidably mounted within said housing, a thermostat within said frame, means connecting said thermostat to said rotary valve only between the inner ends of said sleeves, indicating means including a disc with different temperature markings thereon and a pointer cooperating with said disc, and means connecting said pointer to said slidable thermostat frame, whereby when said pointer is manually adjusted with reference to the temperature markings on said disc said rotary valve will be rotated to bring like openings on said valve and sleeves in registering position to control the temperature of water flowing through the valve casing.

2,412,038

RETRACTABLE TOOL HOLDING MEANS

Edward C. Freisen, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Application August 12, 1944, Serial No. 549,261
7 Claims. (Cl. 77—3)



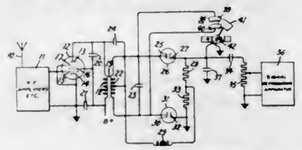
1. In a retractable tool holding means, a principal support, a deformable diaphragm member rigidly fixed to said principal support adjacent an extremity of said deformable member and having a flexible portion, a hub supported by the flexible portion of said deformable member substantially normally thereto and spaced from said supported extremity thereof, a tool member carried by an extension of said hub on one side of said deformable member, an opposing extension of said hub on the other side of said member, and means for laterally moving the extremity of said opposing hub extension relative to said principal support to control the deflection of said deformable member whereby to displace the axis of said hub.

2,412,039

FREQUENCY MODULATION RECEIVING APPARATUS

George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application July 16, 1943, Serial No. 494,976
10 Claims. (Cl. 250—20)



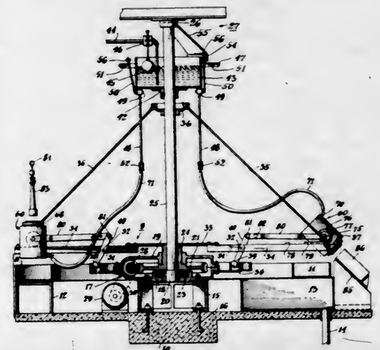
10. In combination, a source of carrier waves signal modulated in frequency about a mean frequency subject to variation, means comprising a tuned circuit normally resonant at said mean frequency for deriving from said frequency modulated wave a wave modulated in amplitude in accordance with said signal, means including unidirectional conducting means connected in balanced relation across said tuned circuit for deriving from said amplitude modulated wave a signal wave including a unidirectional potential component variable in accordance with variation between said mean and resonant frequencies, an electron discharge device including at least three electrodes, a balancing reactor connecting the discharge path between two of said electrodes across said tuned circuit, the effective reactance of said discharge path being variable in accordance with the unidirectional potential of one electrode of said discharge device, and means for applying said unidirectional potential component to said one electrode to maintain said resonant frequency substantially equal to said mean frequency.

2,412,040

ROTATING TABLE CASTING APPARATUS

Carl Gall and Frank J. Prucha, Omaha, Nebr., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application June 23, 1942, Serial No. 448,054
5 Claims. (Cl. 22—77)



1. A casting machine comprising a turntable, means for mounting said turntable to revolve about a vertical axis, a plurality of cylindrical molds disposed around the margin of said turntable, supporting devices for said molds, each supporting device comprising spaced racks on said turntable, rollways alongside said racks, stud shafts secured to said mold, pinions secured to said stud shafts and meshing with said racks, wheels secured to said stud shafts and disposed on said rollways, links pivoted to said stud shafts, a lever pivoted to said turntable and connected to said links, a stationary camway, a follower on said lever disposed in said camway, whereby as said turntable revolves, said camway rotates said pinions on said racks to rotate the molds from upright to substantially inverted positions.

2,412,041

PROCESS FOR FLATTENING SILICON STEEL SHEETS

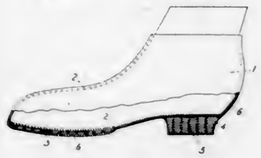
Carl E. Gifford, Zanesville, Victor W. Carpenter, Franklin, and Lowell L. Cook, Zanesville, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

No Drawing. Application March 28, 1941, Serial No. 385,756
10 Claims. (Cl. 148—12)

1. A process for increasing the flatness of finished silicon steel in strip form, made by joining together pieces of lesser length with transverse butt welds, and which is characterized by lack of flatness, which comprises bringing the sheet material to a temperature at which it becomes soft

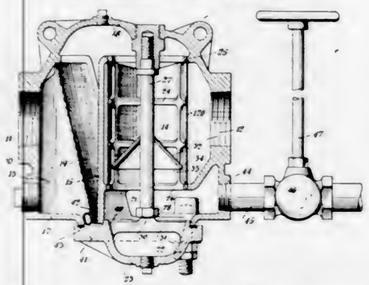
enough for the relief of strains but below the graphite solution temperature, and while at said temperature subjecting the material to tension sufficient to flatten it, and produce a slight overall elongation in the material, without producing in the material any detectable change in the crystal orientation.

2,412,042
METHOD OF MAKING RUBBER FOOTWEAR
Emil Gottschalk, New York, N. Y.
Application December 30, 1944, Serial No. 570,576
1 Claim. (Cl. 12—142)



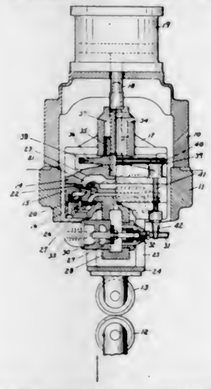
Method of making a rubber shoe comprising forming the upper on a mold by depositing on said mold a layer of rubber from a latex or rubber solution, affixing to the thus formed upper while being carried on said mold a sole and a heel of a material provided with bores, depositing upon said upper an outer rubber coating from rubber or latex solution, penetrating said bores with said rubber solution, producing at the same time within the bores of said sole and heel a rubber skeleton by penetration of the bores with said rubber or latex solution, uniting thereby said upper, said outer coating and said sole and heel through said bores, and vulcanizing the shoe.

2,412,043
SUCTION STRAINER PROVIDED WITH A SEDIMENT CHAMBER
Joseph F. Griffin, Hammond, Ind., and Emanuel Rawson, Chicago, Ill., assignors to The Superheater Company, New York, N. Y.
Application June 11, 1943, Serial No. 490,402
5 Claims. (Cl. 210—165)



1. In a strainer having a casing formed with a chamber provided with a fluid inlet at its upper end and a fluid outlet below said inlet at one side of the vertical axis of said chamber, a vertically disposed screen mounted in said chamber having at least a part thereof disposed at said one side of the chamber axis and overlying said outlet so that fluid passes axially of said chamber and laterally outward through said screen to said outlet, and means forming a sediment receiving sump on the inlet side of said screen below and communicating with the bottom of said chamber; a deflecting shield mounted within said chamber at the inlet side of said screen and inclined downwardly and outwardly toward said screen with its lower end disposed close to and above the bottom of said screen and positioned adjacent to but spaced from said screen to form therewith a passage for sediment to be drawn down into said sump by fluid flowing through said passage to pass through the part of said screen below said shield.

2,412,044
WELDING PRESSURE CONTROLLING APPARATUS
Hans H. Hansen, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application April 13, 1944, Serial No. 530,829
5 Claims. (Cl. 219—4)



1. In electric resistance welding apparatus; means to apply welding pressure comprising in combination a welding electrode support, a movable disk-like wall rigidly connected to said support, a housing enclosing said wall and movable with respect thereto in a direction toward and away from the welding electrodes, a flexible diaphragm ring having its outer edge secured to the side wall of said housing and its inner edge secured to said wall to define an expansible pressure chamber immediately above said wall, and a second diaphragm ring having its outer edge secured to said wall and its inner edge secured to the bottom wall of said housing to define a second pressure chamber immediately below said wall whereby the welding pressure applied is the resultant of the opposing pressures exerted by the fluid pressures in the respective pressure chambers.

2,412,045
ZINC BASE ALLOY CONTAINING COPPER AND BERYLLIUM AND PROCESS FOR HEAT-TREATING THE SAME
Richards H. Harrington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 28, 1943, Serial No. 492,588
18 Claims. (Cl. 148—11.5)

1. An alloy containing about .6 to 3% copper, .03 to .35% beryllium with the remainder substantially all zinc.

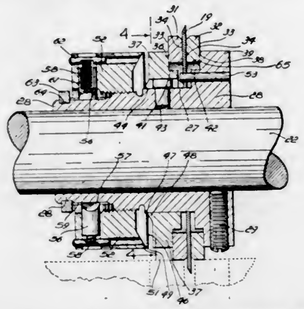
18. The process for improving the properties of a zinc base alloy containing 1.0 to 2.7% copper, .05 to .3% beryllium with the remainder substantially all zinc, heating the alloy 1 to 24 hours at 350 to 405° C., quenching the alloy, reheating at about 100 to 250° C. for 1 to 24 hours, thereafter cold reducing the alloy 10 to 90% and then reheating it for 1 to 24 hours at 100 to 250° C.

2,412,046
RESONANT CIRCUIT SATURABLE CORE MEASUREMENT APPARATUS
Stephen C. Hoare, Manchester, Mass., assignor to General Electric Company, a corporation of New York
Application September 8, 1943, Serial No. 501,549
4 Claims. (Cl. 175—183)



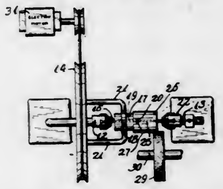
3. Unidirectional flux responsive apparatus subject to magnetic fields comprising a pair of elongated magnetic core parts mounted parallel to each other, direct current winding means on said core parts for producing reverse unidirectional flux biases in said core parts such that when in line with a unidirectional magnetic field such field, with the biasing flux, will substantially saturate one core part and substantially demagnetize the other core part, alternating current windings on said core parts, means for connecting said windings in parallel circuits to an alternating current source of supply, means including said windings for tuning said parallel circuits such that said circuits operate on similar slopes of their resonant curves and have substantially equal currents when the core parts are in neutral positions relative to the field, and means responsive to the current flow in said parallel circuits to give a signal in accordance with the ratio of the currents in said parallel circuits.

2,412,047
WEB FEEDING AND SLITTING MECHANISM
William F. Huck, Forest Hills, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application September 8, 1944, Serial No. 553,196
11 Claims. (Cl. 164—61)



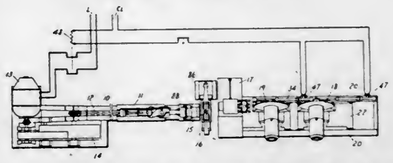
1. In a device for cutting webs into ribbons, a slitter knife rotatable about its axis, an abutment roller rotatable on an axis parallel to the axis of the slitter knife and having a groove positioned to receive the edge of the slitter knife to slit the webs, an annular presser member having two parallel friction faces in planes normal to its axis and one of which faces engages the slittter knife, and means rotating with the slitter knife and having a driving member frictionally engaging the other contact face of the presser member, the presser member being adapted to move laterally in respect to its axis without moving the driving member and into an eccentric position relative to the axis of the slitter knife to yieldingly press the ribbons cut from the webs against the abutment roller and thereby feed them forward.

2,412,048
MEANS FOR GRINDING SMALL HOLED BUSHINGS
Joseph Kaplan, Brooklyn, N. Y.
Application November 24, 1945, Serial No. 630,638
3 Claims. (Cl. 51—103)



1. In a machine for grinding a bushing or the like having a central bore, two spaced chucks, a wire or rod secured at its ends therein, an auxiliary bushing mounted on said wire or rod said bushing to be ground being adapted to be mounted on said wire or rod next to said auxiliary bushing, said auxiliary bushing having means for locking with said bushing for rotating the same when said auxiliary bushing is rotated, and means for rotating said auxiliary bushing.

2,412,049
STOCK FEEDING APPARATUS FOR DRAWING MACHINES
Wallace E. Kerr, Youngstown, Ohio
Application May 30, 1942, Serial No. 445,148
36 Claims. (Cl. 29—33)

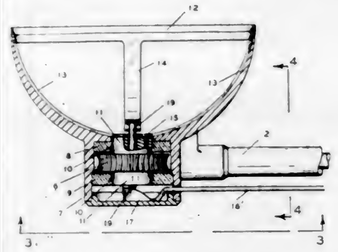


1. In combination with metal drawing apparatus having a die defining the line of draw, means to supply coiled stock to said die and apparatus comprising a reel positioned outwardly of said die and mounted for rotation about an inclined axis lying in a plane substantially normal to said line of draw, said reel being adapted to receive a coil of stock and comprising a drum and an adjacent annular flange at the lowermost end of said drum, said flange extending normal to the axis of rotation of said reel, the center of said drum being spaced vertically from said line of draw.

2,412,050
ICE CREAM DISHER
Bert F. Lawrence and Emma Ethel Lawrence, Oregon City, Oreg.
Application January 29, 1945, Serial No. 575,067
4 Claims. (Cl. 107—48)

1. An ice cream disher including a bowl, a cutting blade arranged adjacent the edge of the bowl,

a scraper attached to the cutting blade and fitting the inner surface of the bowl, a second scraper attached to the cutting blade but free from attachment to the first mentioned scraper,



a motor for rotating the cutting blade and both the first and second mentioned scrapers, and mechanical means for distorting the central portion of the second mentioned scraper to eject the contained material from the bowl.

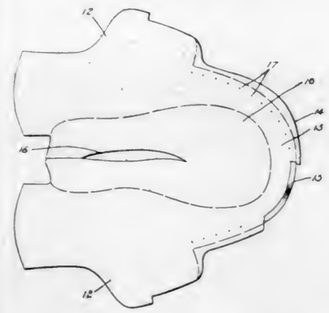
2,412,051

MOCCASIN BLANK

Bernard F. Lee, Framingham, Mass., assignor to Jacob Sandler, Brookline, Mass.

Original application February 22, 1944, Serial No. 523,406. Divided and this application February 7, 1945, Serial No. 576,556

2 Claims. (Cl. 36—11)



1. A composite blank for use in the manufacture of moccasin type shoes, comprising a sole-shaped area having a contiguous segmental forepart marginal portion with a beveled edge, an outsole secured to said sole-shaped area, the blank containing a line of pre-formed uniformly spaced stitch perforations located in a line corresponding to the contour of the beveled edge and adjacent thereto, and side portions which merge into the sole-shaped area and constitute the quarter and counter portions of the finished shoe.

2,412,052

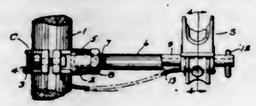
CURRENT COLLECTOR MOUNTING MEANS

Warren J. Lewis, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application August 26, 1944, Serial No. 551,382

6 Claims. (Cl. 191—45)

1. A current collector comprising, an insulating support, clamping means to grip the support and having a threaded orifice, a supporting bar projecting from the clamping means and having a threaded engagement with the orifice, a portion of the bar having a concave bearing surface and an oppositely disposed convex bearing surface and both bearing surfaces having a common center of curvature, a current collector shoe mounted on the bar, the shoe having a saddle with a transverse opening there-through and having oppo-



site walls conforming to the said bearing surfaces whereby the shoe may be positioned on the said portion of the bar and freely movable longitudinally thereon, spaced means on the bar at the ends of said portion to limit the longitudinal movement of the shoe, and contact members mounted on the saddle having a longitudinal slot to receive a trolley wire and guide the collector along the wire.

2,412,053

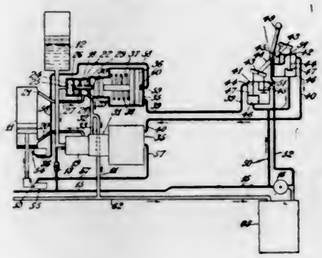
HYDRAULIC REMOTE CONTROL DEVICE

René Lucien, Farnham Common, England, assignor to Societe D'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland, a corporation of Switzerland

Application June 19, 1944, Serial No. 540,990

In Great Britain March 24, 1943

2 Claims. (Cl. 60—51)



1. A hydraulic operating system, comprising, in combination, a hydraulic jack; an accumulator adjacent said jack; hydraulic connections between said jack and said accumulator; operating valve means disposed in said connections to enable the accumulator, when charged, to operate the jack under the control of the operating valve means; hydraulic actuating valve means and a source of pressure; and piping independently connecting said accumulator and said actuating valve means with said pressure source, and said actuating valve means with said operating valve means; locking means for retaining said jack in a fixed position; and hydraulic fluid connections from said operating valve means to said locking means for actuating said locking means, said second-named connections being independent of the first-named hydraulic connections between said jack and said operating valve means; said second-named connections being supplied from said actuating valve means, but the transmission of operating pressure through said connections to said locking means being controlled by the movement of said operating valve means.

2,412,054

NYLON FILAMENTS

William R. McClellan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 25, 1943, Serial No. 507,609

1 Claim. (Cl. 8—115.5)

A process for obtaining improved filaments composed of synthetic linear polyamide containing 10% to 20% of a phenol-formaldehyde resin which does not become infusible on heating for short periods at 275° C. to 285° C., and which is the acid catalyzed reaction product of the phenol and formaldehyde in a molar ratio within 0.5:1.0 and 1.0:1.0, said process comprising treating said filaments in the molecularly oriented state while held at fixed length with water at a temperature of at least 85° C. until the filaments are set in the shape treated, and then while the filaments are still held at fixed length subjecting them to the action of hot 5% to 10% aqueous alkali solution at a temperature above 85° C., said solution having a pH above 8.0 and being that of a compound selected from the group consisting of the hydroxides of the metals barium, sodium, potassium and lithium and of the carbonates and acetates of said metals, and continuing the treatment with said alkali solution until at least 1% but not more than 20% of said resin is extracted.

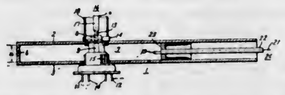
2,412,055

ATTENUATOR FOR ULTRA HIGH FREQUENCY SYSTEMS

Harry R. Meahl, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 25, 1943, Serial No. 473,501

6 Claims. (Cl. 178—44)



1. A dielectric wave guide system of the hollow-pipe type comprising a conductive member having a closed end, means for exciting said member below the critical cut-off frequency and positioned a distance from said closed end to prevent the reflection of appreciable energy therefrom, and output electrode means opposite the excitation means for deriving energy from said guide.

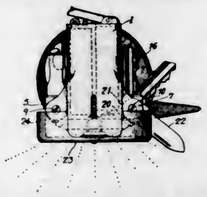
2,412,056

UTENSIL HOLDER

Alfred Mosch, New York, N. Y.

Application September 15, 1944, Serial No. 554,208

8 Claims. (Cl. 206—38)



1. A holder for holding a plurality of utensils, comprising, in combination, a body member having two carrier portions disposed in substantially parallel relation to one another, a pivot member disposed between said carrier portions substantially at right angle thereto, a plurality of pocket shaped lock members swingably supported by said pivot member and adapted to individually receive and rigidly hold said utensils at an end portion thereof, resilient means connected individually with said lock members and comprising a snap catch portion, and recess means in said body member adapted to snappingly catch and fix said catch portion in a predetermined position.

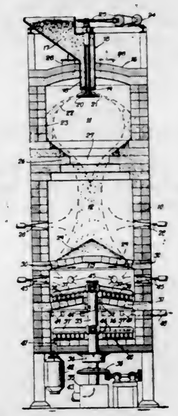
2,412,057

FURNACE CONSTRUCTION

Charles W. Nichols, West Orange, N. J., assignor to Charles W. Nichols, Jr., New York, N. Y.

Application March 6, 1944, Serial No. 525,153

4 Claims. (Cl. 263—21)



1. A furnace construction for treating free-flowing masses of finely divided material, comprising a chamber having a plurality of superposed heating zones, means for feeding and projecting the material from the upper mid portion of the upper zone in directions to impinge on the side walls around within the upper zone, a ledge protruding inwardly from said side walls to separate said upper zone from the next lower zone and surrounding a central opening connecting such zones, and a hearth forming the bottom of said next lower zone, said hearth being formed with peripheral discharge ports therethrough, whereby the material may fall from said side walls in the upper zone onto said ledge, thence through said central opening to form a pile at the middle portion of said hearth, and from which pile, material may flow through said discharge ports.

2,412,058

ELECTROLYTIC POLISHING AND REMOVING EXCESS METAL

Leonard Bessemer Pfeil, Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

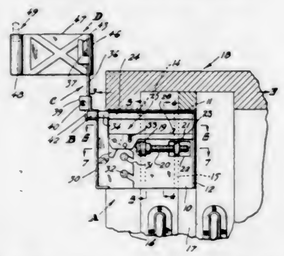
No Drawing. Application February 28, 1944, Serial No. 524,295. In Great Britain May 21, 1943

3 Claims. (Cl. 204—141)

1. A process for removing about 0.001 to 0.005 inch of excess metal to dimensionally reduce to

predetermined size and electropolish an oversize metal article characterized by intercrystalline oxidation at the surface thereof and made of composition from the group consisting of nickel, nickel-base alloys containing copper, nickel-base alloys containing chromium and stainless steels containing nickel and chromium, which comprises anodically polishing said article in an electrolyte comprising essentially phosphoric acid, sulfuric acid and water, the combined concentration of said acids being at least about 50% by weight of said electrolyte, until about one-third of said excess metal is removed, abrading the anodically polished surface by impact of abrasive particles on said surface to decrease the anodic activity of said surface in a succeeding anodic polishing treatment, repeating the said anodic polishing and abrasion treatments, and subjecting said article to a final anodic polishing treatment whereby by said successive in-order step series of anodic polishing treatment and abrasion treatment and said final anodic polishing treatment said article is reduced to desired dimensions and electropolished.

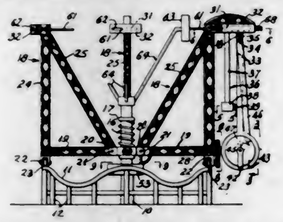
2,412,059
MULTIPLE PURPOSE WINDOW FIXTURE MEANS
Armie A. Pinto, Highland Park, Mich.
Application September 20, 1945, Serial No. 617,458
6 Claims. (Cl. 248—262)



1. A multiple purpose assemblage for dressing windows, comprising a bracket adapted to be mounted on a window frame, said bracket being constructed to accommodate roller and Venetian blinds, said bracket being provided with a horizontal socket, an L-rod, one end of said rod being removably fitted in said socket, the opposite end of said rod being disposed to the exterior of the adjacent part of the window frame, and a curtain rod fixture having a sleeve, said sleeve being slidably mounted on the last-named end of said L-rod.

2,412,060
NOVELTY AMUSEMENT AIR RIDE APPARATUS
John Psaila, New York, N. Y.
Application September 14, 1943, Serial No. 502,267
6 Claims. (Cl. 272—45)

1. A novelty amusement air-ride apparatus having a stationary vertical post and an annular track arranged concentric with said post and having vertical wave-like portions and a hub rotatively mounted on said post with vertical frames extending radially from said hub and being pivotally connected at their bottom portions with said hub and provided with rollers riding said annular track and means for drawing said frames along said track, a horizontal disc horizontally turnably mounted on the top of each frame, a support arm pivotally depending eccentricaly from each of said discs, a bumper mounted on each of said discs behind said support arms, seats pivotally mounted on the bot-



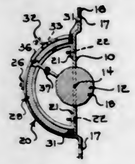
tom portions of said support arms, means for oscillating said seats about their pivotal supports, and means for periodically oscillating said discs during rotations of said hub.

2,412,061
COMBINED PHONOGRAPH AND WORD DISPLAY APPARATUS FOR TEACHING LANGUAGES
Frederick W. Quidas, New York, N. Y.
Application August 22, 1944, Serial No. 550,550
7 Claims. (Cl. 35—35)



1. An apparatus for playing a sound record and simultaneously displaying printed matter corresponding to the matter of the sound record, a phonograph having a rotating table, said rotating table comprising the conventional, rotating disk, an auxiliary disk attached to the latter, and means for securing said disks together, a phonograph record attached to the rotating table, and means for securing said phonograph record to the latter, said last means converting the rotating motion of the phonograph record through a gear arrangement to an intermittent drive, a drum secured to the shaft of the intermittent drive, and a band having characters upon its face and being mounted on said drum, and a shield provided with an adjustable window for accommodating said characters.

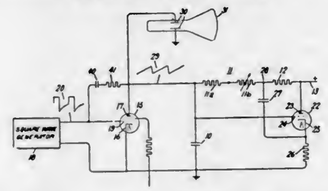
2,412,062
ELECTRIC LIGHTING SWITCH
Benjamin Reisberg and David Schwarz, Elmhurst, N. Y.
Application September 11, 1945, Serial No. 615,666
11 Claims. (Cl. 201—55)



1. An electric switch, comprising a plate, an insulation disc rotatively mounted on and through an opening in said plate, a pair of opposed semicircular casings mounted on the back of said plate, a pair of opposed resistance windings

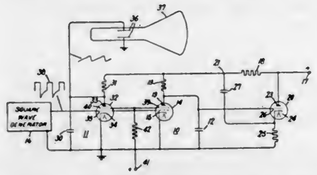
mounted in and projecting from said casings, a pair of radial electrically connected contact arms mounted on and projecting from the back of said disc and contacting said windings, and electric terminals connected with one of the ends of said windings.

2,412,063
SAW-TOOTH WAVE GENERATOR
Ernest W. Rosentreter, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 22, 1942, Serial No. 462,888
7 Claims. (Cl. 250—36)



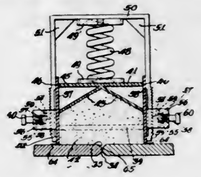
1. An apparatus for generating voltage waves of saw-tooth form comprising an electron discharge device having an anode and a cathode and a control electrode, means for impressing on said control electrode an alternating voltage whereby said device is rendered alternately conducting and nonconducting, means connected in the anode circuit of said device for producing at said anode a saw-tooth voltage having a substantially linear rise while said device is non-conducting and a rapid fall while said device is conducting, said last mentioned means inherently producing a slight pulse in a positive direction at the initial portion of said rise, and means for producing a negative pulse at said anode during said initial portion of said rise to counteract said positive pulse and increase the linearity of said saw-tooth wave.

2,412,064
SAW-TOOTH WAVE GENERATOR
Robert E. Moe, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 22, 1942, Serial No. 462,892
5 Claims. (Cl. 250—36)



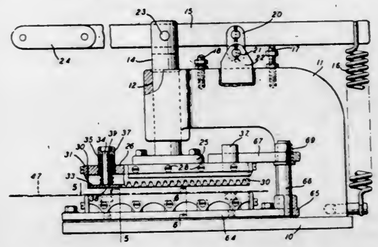
5. An apparatus for generating a voltage wave of saw-tooth form comprising first and second circuits each including a condenser and a resistance connected in series, means including a common resistance for connecting said circuits in parallel across a source of direct current to charge said condensers, means for periodically discharging said condensers to produce a saw-tooth voltage at the terminals of said condensers adjacent the resistances in their respective circuits, the rate of voltage rise across the condenser in said first circuit being lower than that across the condenser in said second circuit, and means including an electron discharge device having an anode and a cathode and a control electrode for producing a voltage rise across said circuits in parallel at a rate equal to the rate of rise across said first circuit condenser, said last mentioned means including a resistance in the cathode circuit of said device and a condenser coupling the cathode of said device and the junction of said circuits and said common resistance, said control electrode being coupled to the terminal of said second circuit condenser adjacent said second circuit resistance.

2,412,065
ELECTRIC WELDING WITH PORTABLE FLUX BOX
John Edward Rudy and John Joseph Zaleski, Coatesville, Pa.
Application June 4, 1943, Serial No. 489,682
11 Claims. (Cl. 219—10)



1. In a method of electrically welding materials capable of being welded, the steps which include chamfering both sides of the metal to be welded at the joint, holding the two parts at the joint firmly in relative position, turning the parts to be welded so that the groove from one chamfer faces upwardly, filling the upwardly facing chamfer groove and the faces adjacent the chamfer with flux, pressing the flux into the chamfer, turning the parts to be welded upside down while maintaining the spacing between the parts and the pressure of the flux into the groove presented by the chamfer which thus is faced downwardly, welding the chamfer then facing upwardly, reversing the parts to face the welded chamfer groove downwardly and electrically welding the groove at the chamfer now facing upwardly to complete the weld.

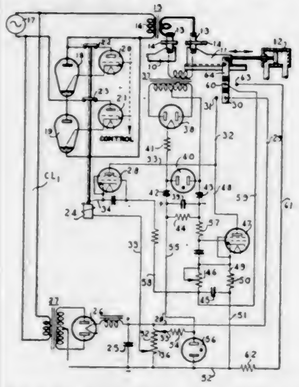
2,412,066
SHEARING APPARATUS
Walter B. Shear, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1944, Serial No. 561,198
4 Claims. (Cl. 164—29)



4. A shearing apparatus comprising companion shearing members having spaced shearing edges, and a shearing element having a serrated surface, forming longitudinal shearing edges cooperating with their respective edges of the members to shear a portion from a material, and forming lateral cutting edges to cut the said portion

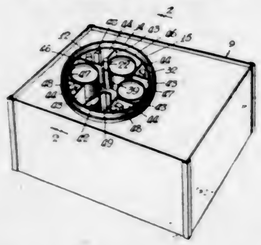
into a plurality of parts, one of the shearing edges of the element having interrupted portions to leave the parts integral with one portion of the material.

2,412,067
CONTROL OF FLASH WELDING
Clyde E. Smith, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application May 19, 1944, Serial No. 536,338
12 Claims. (Cl. 219—4)



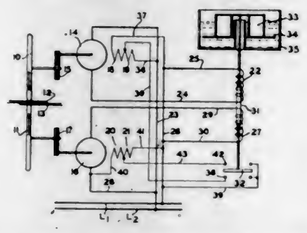
1. In electric flash welding apparatus having relatively movable platens and a circuit to conduct current to work pieces held in said platens the combination of timing means, means to initiate operation of said timing means upon completion of the flashing period and substantially at the time of movement of said work pieces into engagement with each other at the start of upsetting of said pieces, and means controlled by said timing means to interrupt conduction in said circuit.

2,412,068
ROTARY ICE CREAM DISPENSING CABINET
Arthur H. Spader, Bergenfield, N. J.
Application June 13, 1944, Serial No. 540,099
16 Claims. (Cl. 62—89)



4. A cabinet comprising an upright circular refrigerated chamber having a relatively small stationary top opening, a movable cover for said top opening, a shaft mounted axially of said refrigerated chamber, a circular upper rack rotatably mounted on said shaft and subdivided into a plurality of open top compartments at least one of which is also open at its bottom, said upper rack having means for selectively centering its compartments in vertical registry with said stationary top opening, means including a series of stationary vertically extending blades spaced circumferentially of the outer side of said upper rack for removing portions of the frost formations building up on the adjacent surface of said refrigerated chamber as the same is being rotated therein, a circular lower rack rotatably mounted on said shaft and subdivided into a plurality of compartments, said lower rack having means for selectively centering its compartments in vertical registry with the opening through the upper rack when the latter is in registry with said top opening, means including a series of stationary vertically extending blades spaced circumferentially of the outer side of said lower rack for removing portions of the frost formations building up on the adjacent surface of said refrigerated chamber as the same is being rotated therein, and a second series of stationary blades radially mounted on the bottom of said lower rack for removing frost formations from the adjacent bottom surface of said refrigerating chamber as the same is being rotated therein.

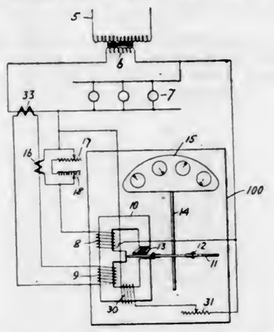
2,412,069
DRIVING MEANS FOR ROLLER ELECTRODES AND THE LIKE
Willibald Trinks, Pittsburgh, Pa., assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application June 16, 1944, Serial No. 540,622
10 Claims. (Cl. 219—4)



10. In electric resistance seam welding apparatus having a pair of roller welding electrodes adapted to have simultaneous engagement with the work to be welded, a driving element for each of said electrodes, said driving elements being connected to said electrodes radially inward of the peripheries thereof, driving means for each of said driving elements, a torque responsive device in each of the lines of drive to the respective electrodes, and means controlled by said torque responsive devices to control the speed ratio between said driving means.

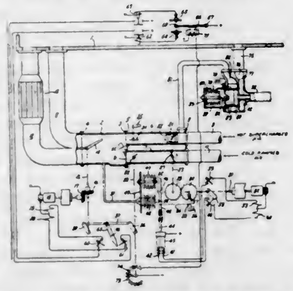
2,412,070
SECONDARY METER FOR PRIMARY ENERGY
Walter C. Wagner, Ardmore, Pa.
Application March 18, 1944, Serial No. 527,093
2 Claims. (Cl. 171—34)

1. In apparatus for measuring primary alternating current energy on the secondary side of a power transformer, the combination of a power transformer having a primary and secondary winding, translating devices to which the secondary winding distributes energy, an electric meter connected to the power transformer secondary winding, the meter comprising a potential coil and a current coil, a core on which they are wound, a rotatable disk and its adjusting devices, the current coil of the meter being connected in series with the circuit of the secondary winding of a current transformer in series with the translating devices receiving the energy, a second current transformer having its primary connected in series with the secondary of the first current transformer, the secondary of the second current transformer being connected in series with an adjustable reactor and with an adjustable resistor, said reactor and resistance, through their adjustor connections, being connected in parallel with said second current transformer



secondary, the parallel combination being connected in series with the potential coil of the meter to influence the character of potential current supply to the potential coil of the meter, the potential current supply obtained by connections to the opposite sides of the circuit supplying energy to the translating devices, a third coil also mounted on the meter core with an adjustable impedance connected in series with the third coil, with such third coil and impedance connected to the opposite sides of the circuit supplying energy to the translating devices.

2,412,071
CABIN SUPERCHARGING MEANS HAVING AUTOMATIC PRESSURE AND TEMPERATURE CONTROL MEANS
Donald F. Warner and Earl L. Auyer, Swampscott, Mass., assignors to General Electric Company, a corporation of New York
Application July 22, 1944, Serial No. 546,717
13 Claims. (Cl. 98—1.5)

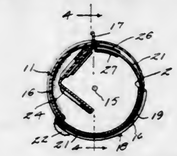


1. In a cabin supercharger system, the combination of an air mixing chamber, a first discharge conduit connecting the mixing chamber to the cabin, a second discharge conduit connecting the mixing chamber to the cabin, an air cooler in the second conduit, valve means for apportioning flow of air from the mixing chamber to said two conduits, a first supply conduit for supplying hot supercharged air to the mixing chamber, a second supply conduit for supplying rammed air to the mixing chamber, a valve in each supply conduit, means responsive to cabin pressure for adjusting said two valves, a second valve in said second supply conduit, and means responsive to cabin temperature for adjusting said second valve and said valve means.

2,412,072
METHOD OF GASSING RUBBER
Roger Charles Bascom, Port Clinton, Ohio, and Dudley Roberts, deceased, late of New York, N. Y., by Dudley Roberts, Jr., executor, New York, N. Y., assignors to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application August 19, 1937, Serial No. 159,910. Divided and this application June 12, 1942, Serial No. 446,772
1 Claim. (Cl. 260—725)

A gas expanded rubber comprising closed cells, said closed cells containing a nonoxiding mixture of nitrogen and ammonia.

2,412,073
LIPSTICK APPLICATOR AND CONTAINER COMBINATION
Lloyd L. Bassett, West Los Angeles, Calif.
Application April 12, 1944, Serial No. 530,647
3 Claims. (Cl. 132—88.7)

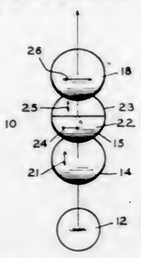


1. A device of the class described comprising a container, said container consisting of walls of arcuate cross section and end walls, the end walls being pivotally connected together and one arcuate wall being movable over the other to open the container, a spring strip slidably mounted at a portion thereof on the exterior of one of the arcuate walls and extending into the container, an applicator carried at the inner end of the strip, and means operable to move the strip from the exterior of the container to project the applicator through the opening.

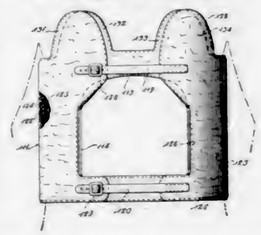
2,412,074
DEVICE FOR TESTING LIGHT POLARIZING ELEMENTS
James R. Benford, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 6, 1944, Serial No. 525,205
7 Claims. (Cl. 88—14)

1. Apparatus for determining the light-polarizing properties of light-polarizing elements comprising a light source; a light-polarizing element having adjacent portions with mutually perpendicular planes of polarization for producing two sharply divided homogeneous beams of light polarized at right angles to each other; a light-polarizing element having known polarizing properties; means for mounting said elements in a beam of light from said source in superimposed parallel relation with the plane of polarization of the second-named element crossed with

one of the planes of polarization of the first-named element; and means for removably mounting a light-polarizing element having unknown polarizing properties in substantially parallel relation to said elements and in alignment with said elements with the plane of polarization thereof crossed with the other plane of polarization of said first-named element.

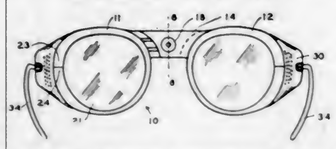


2,412,075
BRACE
Harry Cleon Boone, Lubbock, Tex.
Application July 18, 1944, Serial No. 545,477
2 Claims. (Cl. 2—44)



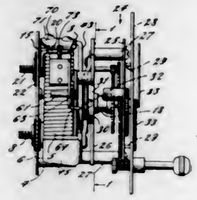
1. For use in supporting the body of a person having injuries to his back, a brace comprising a metal sheet bent substantially in the form of a disconnected cylinder, provided with projections at the disconnected portion extending toward each other and with straps connecting such projections, formed with openings front and rear whereby the wearer may breathe and eat normally without destroying the bracing effect of the brace, and also provided with two upstanding tabs in the front one on each side and with two upstanding tabs in the rear one on each side for supporting the shoulders above the level of the arm-pits.

2,412,076
GOGGLES
Samuel E. Bouchard, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application June 10, 1944, Serial No. 539,692
5 Claims. (Cl. 2—14)



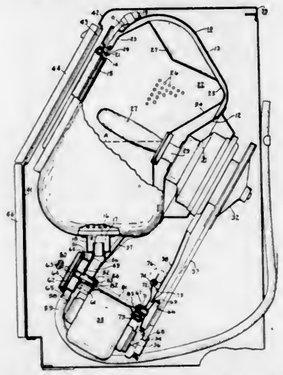
1. A goggle eyecup comprising lens holding means extending around the edge of a lens, spaced face-engaging portions extending rearwardly from the lens holding means at the top and bottom sides of the temporal part thereof, a side shield pivotally mounted between said spaced portions, a head engaging member attached to the rear end of the shield, said means being split at the temporal edge of the lens to provide two free ends, and means for detachably securing the free ends together whereby the lens and side shield are removably held in position by said last named means.

2,412,077
CLOCK WINDING MECHANISM
Sylvanus W. Bramley, White Plains, N. Y.
Application June 12, 1944, Serial No. 539,945
8 Claims. (Cl. 185—40)



1. In apparatus of the character described, in combination an electromagnet having a longitudinal axis and a pair of poles, an elongated armature pivoted to rotate about an axis passing through the mid-point of the electromagnet and perpendicular to the axis thereof, said armature having a longitudinal axis perpendicular to its rotational axis, said longitudinal axis lying in a plane parallel to the plane containing the longitudinal axis of the electromagnet and said armature having end pieces arranged to sweep over the pole pieces of the electromagnet, a spring biasing said armature to rotate it in clockwise direction and to thereby operate the clock mechanism, said armature being arranged to rotate through an angle of predetermined magnitude alternately in a clockwise and counter-clockwise direction, the position of the armature at the end of its movement in a clockwise direction corresponding to a run down condition of the spring and the position of the armature at the end of its counter-clockwise movement corresponding to a fully restressed condition of the spring, a switch including a fixed elongated bar and a movable contact, and means to close said switch at the end of the clockwise movement of the armature, to maintain said switch in closed position during the counter-clockwise movement of the armature and until the spring is fully restressed, said means including an arm pivoted on said armature to rotate about an axis parallel and in spaced relation to the rotational axis of said armature and offset from the longitudinal axis of said armature said arm carrying said movable bar and being adapted for longitudinal movement in the direction of the longitudinal axis of said bar; said fixed contact being adjacent one pole of the magnet which pole is cooperatively arranged in relation to one end of the armature and the axis of rotation of said arm being intermediate the rotational axis of the armature and the other end thereof, the armature, movable arm and switch members being thereby arranged to effect closing of said switch at the end of the clockwise movement of the armature and to effect movement of the movable elongated bar in sliding engagement with the fixed contact during counterclockwise movement of said armature and whereby the switch is maintained in a closed condition during contact of said elongated bar with the fixed contact and opened by disengagement of the movable bar and fixed contact at the end of said longitudinal movement.

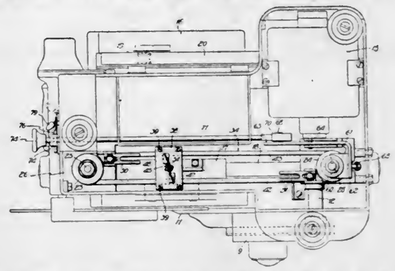
2,412,078
WASHING APPARATUS
Frank Breckenridge and Lee R. Boyd, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 4, 1943, Serial No. 489,626
4 Claims. (Cl. 68—139)



1. In a machine for washing fabrics, the combination of a tub for containing a body of washing water and having a drain opening formed in the bottom wall thereof, agitating means arranged within the tub for effecting a washing action upon the fabrics, a motor for driving said agitating means and arranged beneath the tub, said motor including a shaft rotatable about an axis extending generally from the front to the rear of the tub, a pump for discharging washing water from the tub and including a casing having an inlet port communicating with the drain opening and a discharge port, an impeller arranged within the casing, a shaft for driving the impeller, means supporting said pump at the front end of the motor with the axis of said impeller shaft substantially parallel to the axis of the motor shaft and to one side of the motor, a friction wheel rotatable with the motor shaft and arranged at the rear end of the motor, a second friction wheel for driving the impeller shaft and means for engaging and disengaging the first and second mentioned friction wheels.

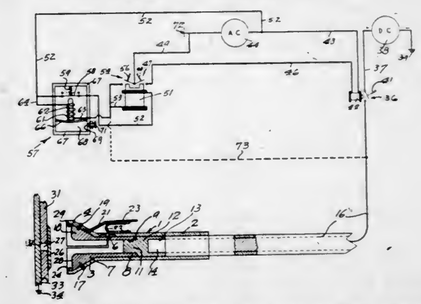
2,412,079
SLICING MACHINE
Morris Brustowsky, Brooklyn, N. Y., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Continuation of application Serial No. 442,186, May 8, 1942. This application February 19, 1944, Serial No. 523,009
8 Claims. (Cl. 146—102)

1. In a slicing machine in combination, a base, a supporting table reciprocally mounted on said base, a motor, and a mechanism for mechanically reciprocating the supporting table, said mechanism including an endless belt, means operated by the motor for driving the endless belt continuously in one direction, a housing through which the reaches of the belt pass, means for operatively connecting the housing with the supporting table, and means for operatively connecting the housing alternately with the reaches of the belt to reciprocate the housing by the belt, said means including a pinch block carried by the housing and mounted adjacent each reach of the belt, a star wheel freely rotatable within the housing between the reaches of the belt, the arms of said star wheel being of sufficient length to operatively engage one of the reaches of the



belt with its respective pinch block to lock the housing to the belt when the star wheel is rotated to position one of its arms in a plane at right angles to the plane of one of the reaches of the belt, a pair of pins slidably mounted in the housing, means tending to move said pins inwardly of the housing into the path of the arms of the star wheel to prevent rotation thereof to operatively connect the star wheel with the reaches of the belt, and means for alternately moving said pins out of the path of the arms of the star wheel to permit of a step by step movement thereof.

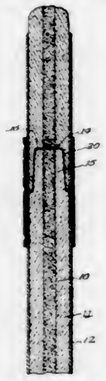
2,412,080
WELDING APPARATUS
Robert C. Cunningham, San Francisco, Calif.
Application December 7, 1943, Serial No. 513,210
8 Claims. (Cl. 219—4)



1. An electric welding apparatus comprising, an electrode, means to tightly contact the electrode with an element to be welded to another element, means to connect said electrode to a direct current electric circuit, a normally open electro-responsive circuit breaker to break said direct current electric circuit, a normally open electro-responsive circuit breaker to control said first circuit breaker, electro-responsive timing-means to hold said second circuit breaker closed for a predetermined period for closing said first circuit breaker for the same period, a source of alternating current electricity connected to said holding means and to said circuit breakers, and

a starting circuit momentarily completed through said electrode to said holding means and to said second circuit breaker for energizing said holding means and initially closing said second circuit breaker, and means on said second circuit breaker for shunting said alternating current to said timing means and to said second circuit breaker independent of said electrode and in place of said momentary energizing circuit when said second circuit breaker is closed.

2,412,081
ELECTRODE JOINT
Joseph W. Droll, Wilmette, Ill.
Application December 21, 1944, Serial No. 569,150
1 Claim. (Cl. 176—119)



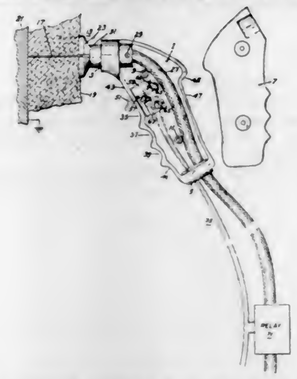
That improvement in connecting together for continuous light projection, a pair of stick electrodes, each including a core of soft carbon, a shell of hard carbon around the core, and a conductive coating around the shell, the hard carbon of the sticks being provided with telescopic male and female ends, which comprises applying a thin solution of phenol formaldehyde resin to one of the telescopic ends, joining the telescopic mating ends of the pair of sticks together and spreading the resin to form a thin coating which bonds together the hard carbon in the sticks, and additionally connecting the sticks with a sleeve of electric conducting material in order to effect electrical conduction between the conductive coatings.

2,412,082
CUTTING OIL
Paul P. Gabriel, Bridgeport, Conn.
No Drawing. Application September 29, 1943, Serial No. 504,263
3 Claims. (Cl. 252—48.4)

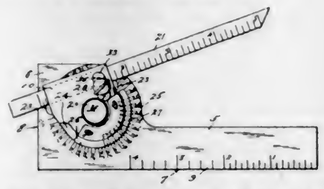
1. A lubricant or cutting oil composition comprising 25% to 40% by volume of carbon tetrachloride and 75% to 60% by volume of the reaction product of approximately 88 parts of lard oil, 12 parts of sulphur and 2 parts of pine oil, the composition being aged at approximately 70° F. for a period of about two weeks.

2,412,083
STINGER
Lawton D. Giantvalley, Oakland, Calif., assignor of one-half to Carl F. Carlson, Oakland, Calif.
Application December 23, 1944, Serial No. 569,556
6 Claims. (Cl. 219—4)

1. A stinger for applying insulation to metallic surfaces, comprising a hollow body of a size and contour to fit the hand of an operator, and having an end opening, means supporting a pin head holding chuck in said end opening for connection to a cable, a self-opening switch mounted in said body and including control means extending outside thereof and actuable within an area normally occupied by the fingers of such operator's hand in gripping said body, for restraining opening of said switch from a closed condition during application of pressure thereto.



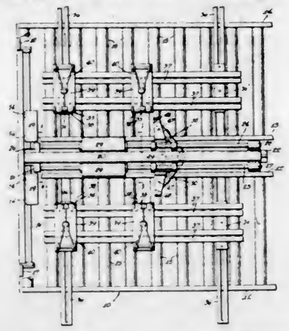
2,412,084
PROTRACTOR
Joseph H. Gieske, St. Paul, Minn., assignor, by mesne assignments, to Niel C. Smith, Minneapolis, Minn.
Application October 22, 1943, Serial No. 507,342
4 Claims. (Cl. 33—94)



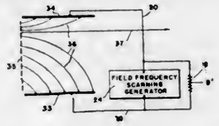
3. A protractor including a body member, a turret turnable on the body member, an arm mounted in a passageway in the turret below the top thereof for endwise sliding movement eccentric to the axis of the turret, and screw-actuated clamping means for holding the turret from turning relative to the body member, and extending through a hole in the turret and engaging the arm for holding the same against endwise sliding movement.

2,412,085
SHEET STACKER
Daniel P. Glush and Julius A. Clauss, Detroit, Mich., assignors to National Steel Corporation, a corporation of Delaware
Application September 17, 1942, Serial No. 458,746
18 Claims. (Cl. 271—86)

1. A sheet stacker for receiving and stacking sheets having a plurality of straight edges comprising a guide member for supporting a sheet as it moves into the stacker, a support to receive the sheets in flat superposed position, abutment members adapted to contact a plurality of the edges of the sheet, curved members facing each abutment member pivotally mounted above the support and extending downwardly to a point adjacent the support, means acting on each curved member to urge the lower end of the same toward the facing abutment member, the curvature of a curved member being not substantially greater than that required to maintain the curved member in contact with the top sheet on the stack at all times during stacking.



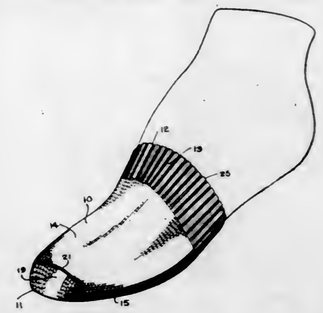
2,412,086
IMAGE DISSECTOR TUBE
Clyde E. Hallmark, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application August 26, 1944, Serial No. 551,297
17 Claims. (Cl. 178—7.2)



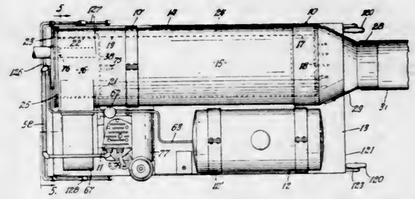
2. A television picture signal generating device comprising a photoelectric cathode for emitting an electron image when a light image is projected thereon, electron deflecting and collecting means extending along the path of electron emission from said cathode for deflecting the electrons of said electron image in predetermined divergent paths and collecting electrons from all but successively selected incremental areas of said electron image and a collector electrode for collecting electrons from said successively selected incremental areas of said electron image.

2,412,087
FOOT COVERING
Theotiste N. Herbert, Merion, Pa.
Application November 4, 1944, Serial No. 561,871
2 Claims. (Cl. 66—187)

1. A covering adapted to be slipped over the toe and front sole portion of the foot having a main body part of plain knit fabric shaped to conform to said portion of the foot and having a toe pocket at its frontal end and a cuff or welt at its rear end adapted to snugly fit about the foot in the immediate region of the arched instep portion thereof, said toe pocket being provided in its opposite sides with longitudinally extending gore lines each extending from the rear end of the pocket to a point short of its front end with the upper and lower rear edges of said pocket respectively defined by lines disposed in angularly related transverse planes intersecting one another at the rear terminal points of said gore lines, and said cuff or welt being so knitted that when unextended it is of a circumferential length substantially less than the unextended circumferential length of the said main body part of the covering and having such stretch characteristic relatively to that of said main body part as to permit it (said cuff or welt) to be circumferentially extended to a degree greater than is possible in any portion of said main body part of the covering.

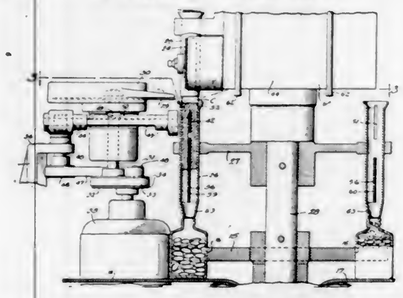


2,412,088
UNIT HEATER
Harry B. Holthouse, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application November 12, 1941, Serial No. 418,774
11 Claims. (Cl. 126—110)



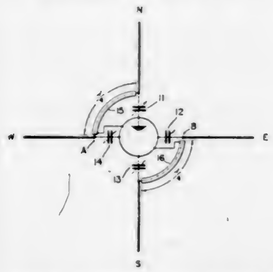
1. A portable air heating unit having a base member for supporting a burner of internal combustion type and an internal combustion engine for operating said burner, a fuel tank common to said burner and engine, housing means for said burner having therein a combustion chamber and a passage for the air to be heated in thermal relation with said combustion chamber, said housing means having a length substantially equal to the longitudinal length of said base, means driven by said engine for supplying fuel from said fuel tank to said combustion chamber and engine, air moving means operatively connected with said engine for supplying air to said combustion chamber and air passage, means operatively associated with said combustion chamber for vaporizing the fuel supplied thereto for mixing together with the air for combustion, and conduit means for the exhaust gases from said engine arranged in thermal relation with said fuel vaporizing means to heat the same, said engine and fuel tank being positioned in substantial alignment on an axis substantially parallel to the longitudinal axis of said housing means and being confined substantially within the longitudinal length of said housing means.

2,412,089
BOTTLE WADDING MACHINE AND METHOD
Thomas C. Kelly, Hinsdale, Ill.
Application September 16, 1943, Serial No. 502,608
17 Claims. (Cl. 226—19)



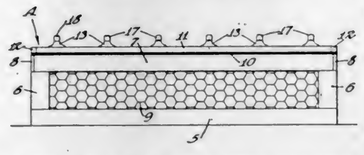
1. The method of wadding shouldered bottles which consists in externally confining a wadding charge longitudinally divided at its entering end and in maintaining such confined charge in register with the mouth of a shouldered bottle, imparting to the charge thus confined a longitudinal impulsion to advance the charge divided end foremost into and through the mouth of the bottle and meanwhile subjecting the outer faces of the divided charge to external friction sufficient to retard the advance of said faces relatively to the interior of the charge thus causing the divided leading ends of the charge to spread apart and underflow the shoulders of the bottle.

2,412,090
TURNSTILE ANTENNA
Paul J. Kibler, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application February 14, 1944, Serial No. 522,323
7 Claims. (Cl. 250—33)



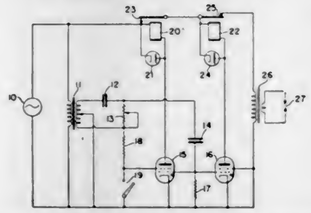
7. A turnstile antenna comprising, four equal length radiator elements located in the same plane and disposed at 90° angles with respect to one another, a pair of quarter wave length concentric transmission lines connected respectively between adjacent radiator elements, a variable condenser connected to each of said radiator elements to tune each element for parallel resonance and to match the impedance of each element to the characteristic impedance of one of said transmission lines, and a coupling medium for said antenna including a network comprising an inductor connected in series between a first condenser having a reactance numerically equal to that of said inductor and a second condenser having a reactance numerically equal to one-half that of said inductor, said first condenser and the junction point of said inductor and said second condenser being connected to two oppositely disposed radiator elements, and said second condenser being connected to ground and the junction point of said inductor and said first condenser being connected to a utilization circuit for said antenna.

2,412,091
ROOST FOR FOWLS
Emil S. Kubat, Owatonna, Minn.
Application December 2, 1942, Serial No. 467,603
1 Claim. (Cl. 119—25)



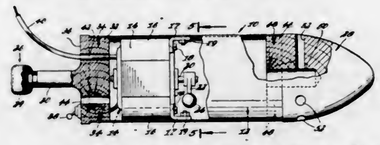
In a bird roost, a bar having opposite sides thereof adapted to serve as bird supporting roosts, the width of said bar being such as to permit the bird to comfortably grasp the same, supporting means for said bar including a base structure having pins extending upwardly therefrom, said bar having apertures therein to loosely receive said pins and being reversible on said pins to present either roosting surface or side of said bar uppermost, and one of said sides of said bar having a longitudinal channel therein for holding a quantity of a vermin destroying substance when said bar is positioned to present said channel uppermost, and said channel being narrow relative to the width of said bar, whereby said vermin destroying substance can be maintained close to but out of contact with the feet of the bird.

2,412,092
ELECTRONIC TIMER
Louis F. Mayle, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application April 9, 1943, Serial No. 482,394
9 Claims. (Cl. 175—320)



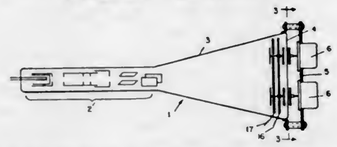
1. Apparatus for controlling the energization of a load circuit comprising, a source of alternating current, a circuit closing relay having contacts operable to connect said load circuit to said source of alternating current, a circuit opening relay having contacts operable to disconnect said load circuit from said source of alternating current, and means including electronic timing apparatus coupled to said source of alternating current to effect successive operations of said respective relay contacts at predetermined corresponding points of different cycles of said alternating current, whereby to effect energization of said load circuit.

2,412,093
THERAPEUTIC-OSCILLATION APPLICATOR
Nathan D. Mininberg, New York, N. Y.
Application October 11, 1944, Serial No. 558,152
3 Claims. (Cl. 128—49)



1. A manually portable oscillation applicator, comprising a tubular cylindrical member, motor-mounting means disposed within said tubular member between its opposite ends and fixed thereto, a motor fixedly mounted on said means and having a rotary shaft disposed co-axially of said tubular member, said motor being positively secured in said frame against movement axially of the frame, a weight carried by said shaft eccentrically thereof and rotatable thereby, an oscillation applying head fixed to one end of said tubular member and closing said end thereof, an oscillation head fixed to and closing the opposite end of said tubular member and provided with a rod disposed co-axially of tubular member externally thereof and an oscillation-applying member carried by the outer end of said rod, said motor being positioned nearer to one end of said frame than to the other end of said frame whereby the amplitude of oscillation of one of said heads is greater than the amplitude of oscillation of the other of said heads when the frame is manually gripped adjacent one of said heads for the transmission of oscillations by the other of said heads.

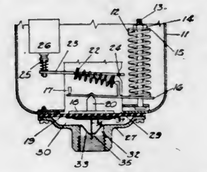
2,412,094
SIGNAL DEVICE
John J. Moynihan, Rochester, N. Y., assignor of one-half to Joseph B. Brennan, Cleveland, Ohio
Application April 1, 1942, Serial No. 437,252
7 Claims. (Cl. 177—351)



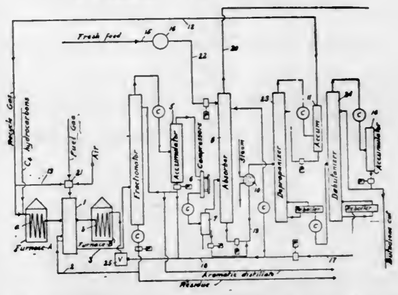
5. In apparatus of the character described, the combination of means for generating a scanning electron beam, a target arranged to be swept by said beam, a sealed envelope enclosing said means and target, a cursor enclosed in said envelope between the beam-generating means and the target for forming a reproducing image by casting a beam shadow on said target, means including a magnetic element for moving said cursor, and means deriving a signal from the target indicating the position of the cursor means.

2,412,095
PRESSURE SWITCH
Richard W. Muerle, Springfield, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application February 23, 1942, Serial No. 432,051
4 Claims. (Cl. 200—83)

1. In combination with a switch having fluid pressure actuated electrical contact means including a movable diaphragm, baffle means between said pressure responsive means actuating said electrical contact means, and a source of fluid pressure, a hole in said baffle means for the passage of fluid under the pressure therethrough, said hole being restricted in size whereby the flow of fluid in response to pressure changes is restricted, and means maintaining said hole open against clogging due to deposits of foreign material, said means comprising a wire formed into a spiral base, and a centrally extending crimped portion, said base being secured to said diaphragm, and the crimped portion extending into said hole and adapted to move with respect to said hole upon movement of said diaphragm.



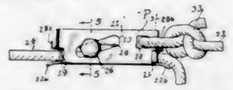
2,412,096
PROCESS FOR TREATING HYDROCARBONS
William W. Odell, El Dorado, Ark., assignor to Lion Oil Company, a corporation of Delaware
Application January 22, 1943, Serial No. 473,192
4 Claims. (Cl. 260—666)



1. A substantially continuous process for promoting thermal vapor phase, hydrocarbon reactions in an elongated upright reaction chamber containing solid contact material, comprising, passing at least one aeriform stream comprising a preheated hydrocarbon in the vapor phase suitable for thermal reaction, at an elevated temperature, into a reaction zone intermediate the ends of said reaction chamber, simultaneously introducing into another portion of said reaction chamber another stream comprising a mixture of a combustible fluid and oxygen in which the oxygen is somewhat less than enough for complete combustion of said combustible fluid, promoting combustion in the latter stream, causing the latter stream comprising burning fluid to pass through a porous bed of hot refractory solids in said chamber wherein combustion reactions are substantially completed, causing the stream of hot freshly generated products of combustion to mix intimately with the first named stream while at an elevated temperature in said reaction zone whereby at least one valuable reaction product is formed, immediately after a brief reaction period quenching the resultant stream to minimize polymerization, recovering from the quenched stream said valuable product and re-

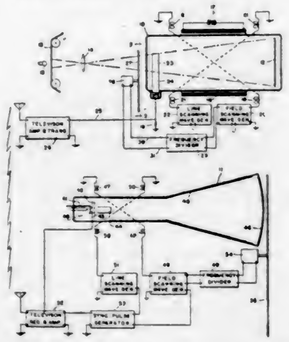
circulating at least a portion of the other combustible reaction products substantially free from nitrogen, carbon monoxide and carbon dioxide into said reaction chamber as a part of one of said streams.

2,412,097
ADJUSTABLE CLOTHESLINE FASTENER
Theodore Russell, Naugatuck, Conn.
Application December 4, 1944, Serial No. 566,609
3 Claims. (Cl. 24—136)



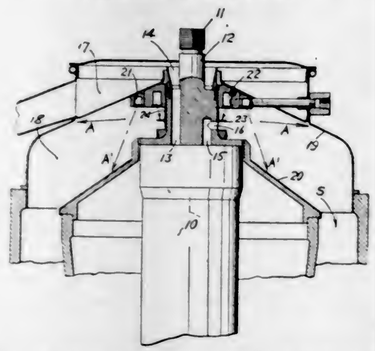
1. In a cord fastener, a U-shaped plate having a base and a pair of upstanding side wings, each of said wings having a slot inclined to said base, said slots being parallel to each other, a knurled wedging roller extending crosswise through said slots for engaging and clamping the free end of a clothesline, and a curved leaf spring in the upper part of said plate pressing downwardly upon said roller, said wings having a pair of opposed apertures spaced upwardly from the base of said plate to furnish a secure attachment for the fixed end of said clothesline so that said fixed end will not obstruct the movements of said free end said wings also having ears curled inwardly from said apertures to form smooth guides for said fixed end.

2,412,098
COLOR TELEVISION FILM SCANNING SYSTEM
Joseph D. Schantz, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application July 1, 1944, Serial No. 543,075
13 Claims. (Cl. 178—5.2)



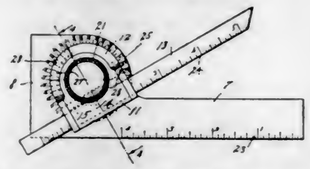
1. Television apparatus for transmitting pictures in natural colors comprising a picture signal generating device having a photosensitive member, means for projecting an optical image of the object to be transmitted on said member, means for effectively scanning successive elemental areas of said image in accordance with an interlaced scanning pattern comprising periodically recurring groups of field scansion cycles to produce a train of picture signals representative of the brightness of said elemental areas, a plurality of light filters of different light transmission characteristics, equal in number to the number of field scansion cycles in each of said groups, and means for successively interposing said filters in predetermined sequence between said optical image and said photosensitive member so that a different filter is interposed between said image and said member for each field scansion cycle.

2,412,099
CENTRIFUGAL SEPARATING APPARATUS
Leopold Sender, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 24, 1943, Serial No. 492,158
2 Claims. (Cl. 233—14)



1. In a centrifugal separator, the combination comprising a centrifugal rotor designed to discharge a viscous effluent centrifugally against an upper surface of a non-rotating receiving cover, and means to project a washing liquid from a portion of said rotor centrifugally in a direction having substantial circumferential and outward components against said surface of said receiving cover at a zone within the innermost zone of discharge of said viscous effluent against said surface, whereby to effect swirling movement of said washing liquid across said surface against which the viscous effluent is discharged, and thereby prevent stickage of said effluent to said surface and cause said effluent to be discharged to a lower surface of said cover, and means for establishing a continuously downwardly and outwardly flowing layer of washing liquid from a zone within the innermost zone of discharge of said effluent against said lower surface flowing across said zone of discharge against said lower surface, whereby to prevent stickage of said effluent to said lower surface.

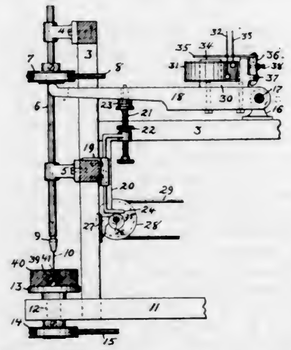
2,412,100
PROTRACTOR
Neil C. Smith, Minneapolis, Minn.
Application November 29, 1944, Serial No. 565,697
3 Claims. (Cl. 33—94)



1. In a device of the class described, a body having an upstanding pivot, a turret turnably mounted on the pivot with freedom for axial movement and resting on the body, a blade

mounted on the turret for endwise sliding movement and resting on the body, a washer mounted on the pivot with freedom for axial movement, held against relative turning movement and resting on the turret, a member having threaded engagement with the pivot and bearing on the washer and operable to simultaneously frictionally clamp the turret onto the body and thereby hold the turret from turning on the pivot and frictionally clamp the blade between the body and the turret and thereby hold the blade from sliding endwise relative to the turret and the body.

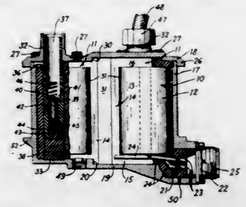
2,412,101
MACHINE FOR PIERCING WIREDRAWING DIE UNITS
John L. Smyers, Fort Wayne, Ind., assignor to Ajax Industrial Supplies, Inc., Fort Wayne, Ind., a corporation of Indiana
Application December 6, 1943, Serial No. 513,201
4 Claims. (Cl. 125—30)



1. In a machine for piercing wire drawing die units, an arbor mounted for rotation and axial movement provided with a nib, a spindle mounted for rotation axially alined with said arbor adapted to support a die unit to be pierced by said nib, a finger mounted for up and down movement connectedly related with said arbor, a reciprocating carriage having an adjustable post thereon provided with a cushion engaging said finger to yieldingly limit the down stroke of said finger, a high frequency vibrator in connection with the finger wherefore to impart vertical tremors to the arbor thus to lengthen its axial movement, and means for actuating said carriage, arbor, spindle and the vibrator.

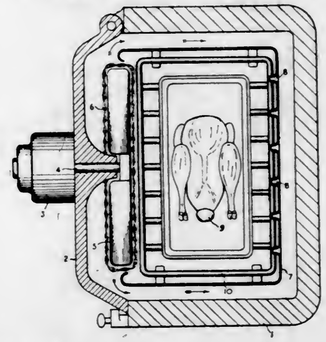
2,412,102
IGNITION APPARATUS
Walter J. Spengler, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 12, 1943, Serial No. 490,667
12 Claims. (Cl. 175—361)

1. In apparatus of the class described, a metallic casing comprising a body portion and a cover removably secured thereto, said cover having a plurality of outlets therein, a plurality of ignition coils in said casing, each having primary and secondary windings, a metallic core for each of said coils forming a magnetic flux path around a portion of the latter, opposed recesses in said body portion and cover for receiving portions of said cores to position said coils in said casing, an insulating tube adjacent each coil, each of said tubes slidably extending into one of said outlets in the cover, a terminal in each of said tubes, means connecting each of said terminals to the high potential end of the secondary winding of an adjacent coil, a socket of a multiple plug and



socket connector in said body portion, means connecting the terminals of said socket to the ungrounded ends of the primary windings of said coils, and means connecting the adjacent ends of the primary and secondary windings of each coil to the casing interiorly thereof for grounding the same.

2,412,103
AIR CIRCULATOR FOR OVENS
William Wycliffe Spooner, Ilkley, England
Application June 19, 1944, Serial No. 541,105
In Great Britain June 26, 1943
1 Claim. (Cl. 126—273)

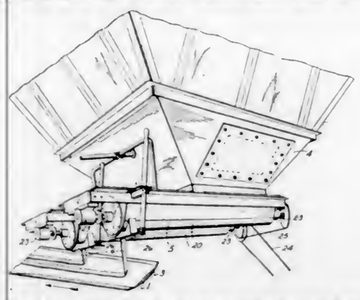


A cooking apparatus including an oven, a detachable door for said oven, an air circulating fan mounted on said door, false walls to two sides of the oven spaced from its side walls with their front edges adjacent the periphery of the air circulating fan, and a perforated false wall spaced from the rear wall of the oven to form with the side false walls a space for air circulation from the fan, the air passing through the perforated false wall across the oven and back to the fan in closed circulation.

2,412,104
METHOD OF SINTERING IRON ORE SLUDGE
William M. Stewart, Birmingham, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application July 2, 1942, Serial No. 449,376
5 Claims. (Cl. 75—5)

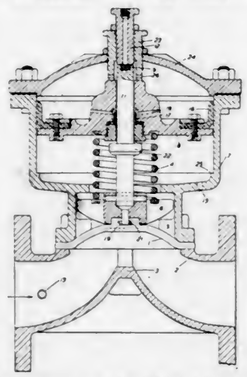
1. The method of sintering which includes the steps of moving sintering material having a low moisture content forwardly in the form of a stream, depositing on said moving stream a thin, relatively narrow ribbon of iron bearing mate-

rial having a small cross-sectional area and a high moisture content and thereby transferring some of the moisture of the high moisture material to the low moisture materials, and so pro-



portioning the amounts of said materials that the moisture content of the mixture will be between about 5% and about 15%, thoroughly mixing said materials, and sintering the resulting mixture.

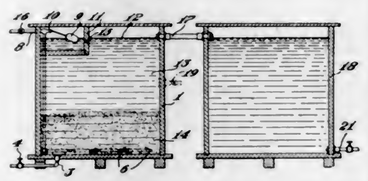
2,412,105
FLUID CONTROLLING VALVE
Frank Sutton, Cwmbran, England, assignor to Saunders Valve Company Limited, Cwmbran, England
Application April 3, 1943, Serial No. 481,747
In Great Britain March 30, 1942
4 Claims. (Cl. 137—153)



1. A self-closing and self-locking valve, comprising a body in which is a channel for the fluid to be controlled, a valve for closing said channel, pressure-fluid-actuated means for closing said valve, an auxiliary valve controlling the flow of fluid from the upstream side of said valve to said closing means, spring-actuated means for opening said auxiliary valve when the pressure of the fluid falls, and for locking it in open position, and a hand-operated cock for making the fluid admitted through said auxiliary valve effective to release said locking means in opposition to its actuating spring.

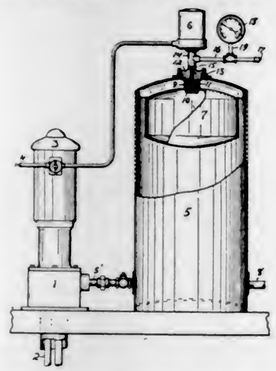
2,412,106
METHOD OF AND APPARATUS FOR DISSOLVING SALT
Edward Swartz, Belmont, Mass.
Application September 16, 1944, Serial No. 554,526
3 Claims. (Cl. 23—272)

1. A method of making an aqueous salt solution comprising continually introducing water into a bed of finely divided salt in a dissolver at a multiplicity of points distributed substantially uniformly near the bottom surface and substantially over the entire cross sectional area of said bed whereby to form a supernatant salt solution above said bed, introducing fresh salt to said bed and maintaining said bed at substantially level and predetermined height in said supernatant solution, and regulating the feed of water to the dissolver so as to maintain an overflow discharge of substantially constant concentration corresponding to the salt level and the amount of water introduced.



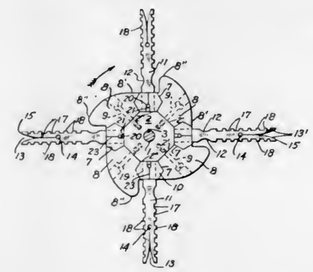
3. An apparatus for preparing an aqueous salt solution comprising a dissolver tank having means for supporting a salt bed therein and an overflow adjacent the top thereof, vertically adjustable salt feeding means extensible into said tank below said overflow and means for adjusting the feeding of the salt through said feeding means for forming and varying the depth of a salt bed in the dissolver, means for introducing water into said salt bed, said means comprising a plurality of openings distributed uniformly near and substantially over the entire extent of said salt bed supporting means for introducing the water into and uniformly throughout the salt bed, said openings being directed downwardly toward the salt bed supporting means and means constructed to operate by changing level of solution above said salt supporting means for adjusting the volume of water introduced to the tank.

2,412,107
LIQUID SUPPLY SYSTEM
Vernon L. Tannehill, Fort Wayne, Ind.
Application November 20, 1944, Serial No. 564,385
8 Claims. (Cl. 103—25)



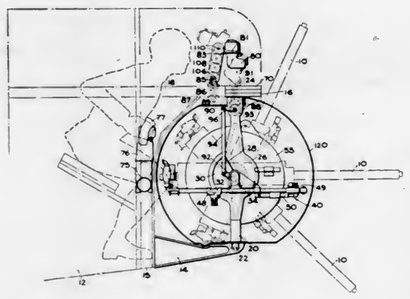
1. An air pressure liquid distributing system in which are included an air pressure tank, a motor-driven pump connected with said tank for supplying liquid thereto, an air pressure operated controller for the pump motor, an elastic inflated compressible pouch, disposed within the tank, having an air communicating connection with the controller and hermetically sealed with respect to said tank, a connection between the controller and the pump motor, a valve-controlled means through which to inflate said pouch, and a pressure gauge in connection with said means to indicate the degree of air pressure within said pouch.

2,412,108
FOWL PICKER
Andrew J. Toti and Ward E. Snowden, Modesto, Calif., assignors, by direct and mesne assignments, to Modesto Manufacturing Co., Modesto, Calif., a corporation of California
Application March 29, 1945, Serial No. 585,426
15 Claims. (Cl. 17—11.1)



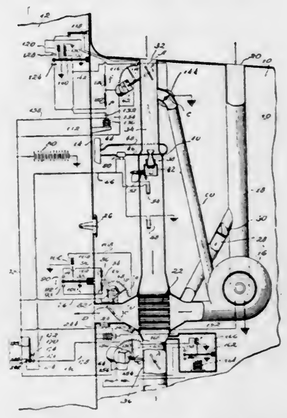
15. In a fowl picking machine a drum comprising a shaft, an elongated hub on said shaft, a plurality of longitudinally extending segments spacedly secured to said hub with edges in confronting relation, the edges of said segments formed to provide retaining sockets, finger mounting blocks confined in said sockets and radially extending soft rubber fingers secured at their inner ends in said blocks, said blocks being of soft rubber and of symmetrical design so as to be reversible 190° with said fingers in said sockets.

2,412,109
GUN AND SIGHT MOUNTING
John C. Trotter, Burlington, Vt., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application December 3, 1943, Serial No. 512,754
4 Claims. (Cl. 89—37.5)



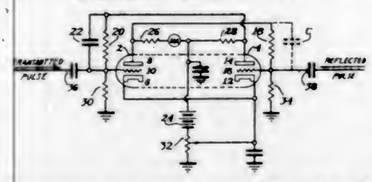
1. In combination, a gun mount comprising a gun carriage, a central post mounted upon a fixed frame portion, said post mounting said carriage and rotatable therewith about a vertical axis for azimuthal aim adjustments of the gun carriage, a shaft mounted upon said post to be rotatable about a horizontal axis for elevational aim adjustments of the gun mount, a gun sight unit comprising in combination, a bracket adapted to carry a gun sight device, a gun sight frame supporting said bracket whereby the latter is pivotable relative to said frame about a first horizontal axis, a trunnion post mounted upon said frame portion to be rotatable about a vertical axis and pivotally engaging said frame whereby the latter is pivotable relative to said trunnion post about a second horizontal axis offset from said first horizontal axis, gear means interconnecting said trunnion post and said frame, second gear means interconnecting said frame and said bracket whereby pivotal movements of said frame relative to said trunnion post about said second horizontal axis operate said second gear means to drive said bracket to pivot relative to said frame about said first horizontal axis, motion transmitting means connecting said gun carriage to said trunnion post for pivoting said frame about said second horizontal axis coincidentally with the elevational aim adjustment of said gun carriage, and motion transmitting means interconnecting said central post and said frame for rotating the latter about its vertical axis coincidentally with the rotations of said gun mount carriage about the vertical axis of said central post.

2,412,110
AIR CONDITIONING APPARATUS FOR AIRCRAFT
Lynn A. Williams, Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 4, 1943, Serial No. 474,632
21 Claims. (Cl. 257—3)



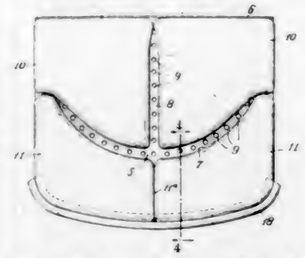
4. In an aircraft heating system, the combination of a liquid fuel burning heater, a ram for supplying combustion air to said heater, a supercharger, a conduit leading from said supercharger and connected to said ram for conveying air compressed thereby to said heater, a valve to shut off said ram, a valve to close said conduit, and means to cause opening of one of said valves when the other is closed.

2,412,111
MEASUREMENT OF TIME BETWEEN PULSES
William S. Wilson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1943, Serial No. 516,205
5 Claims. (Cl. 161—15)



1. Apparatus for measuring the phase difference between two pulses of electrical energy, comprising in combination a first thermionic tube and a second thermionic tube, each of said tubes having a control electrode for the application thereto of said pulses respectively, the anodes of each of said tubes being connected through coupling resistors to the control electrodes of the other of said tubes, a time element device including a resistance and parallel condenser in each of said control electrode circuits, the time constant of the time element device of said first tube being greatly in excess of the time element device of the second tube, and means for measuring any change in the average anode output of said first tube.

2,412,112
CHAIR SEAT
Glenn D. Wood and Fred L. Turner, Elkhart, Ind., assignors to Posture Research Corporation, Elkhart, Ind., a corporation of Indiana
Application May 15, 1941, Serial No. 393,587
7 Claims. (Cl. 155—184)

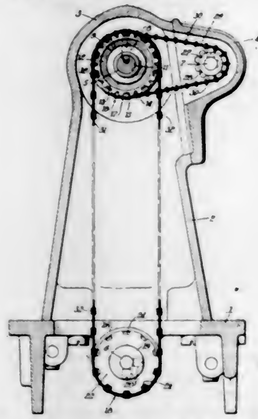


6. A chair seat having a plurality of channels therein, one of said channels extending generally in a direction transversely of the seat and the other generally in a direction toward the rear of the seat and disposed substantially centrally between the sides of the seat to form two body engageable seat portions having parts that slope downwardly toward each other at said other channel.

2,412,113
PURIFYING OF ALKYLOLAMIDES
Harland H. Young, Chicago, Ill., and David Rubinstein, Brookline, Mass., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 14, 1943, Serial No. 483,062
4 Claims. (Cl. 260—404)

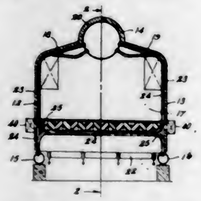
1. The method of purifying alkylolamides associated with other reaction products formed in reacting alkylolamines with fatty acids and their esters and containing alkylolamides, and other basic substances of bitter flavor, which comprises treating the crude alkylolamides with an aqueous solution of a mineral acid material in a glyceride solvent for said alkylolamides and alkylolamine esters to neutralize said basic substances and to precipitate the same as insoluble compounds, while maintaining the temperature sufficiently high during the treatment to render the solution of alkylolamides in a liquid condition and thereafter separating said compounds from the purified alkylolamides.

2,412,114
DRIVING DEVICE
Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 17, 1943, Serial No. 502,742
8 Claims. (Cl. 74—243)



1. A driving member comprising a cleat-belt pulley having a cylindrical rim provided in the outer face thereof with a plurality of relatively narrow and wide belt-cleat receiving grooves successively alternating circumferentially and each extending widthwise across the entire belt face of said rim, and a belt-separating member extending circumferentially and disposed medianly of said face of the rim.

2,412,115
STEAM GENERATOR
John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Bayard Badenhausen, Philadelphia, Pa.
Application March 9, 1945, Serial No. 581,785
8 Claims. (Cl. 122—255)



2. In a steam generator, a bottom wall, an upper steam and water drum, lower water headers, banks of steam generating tubes each having a transverse portion extending substantially horizontally intermediate said drum and said headers, each of said tubes having an upper portion extending upwardly and into communication with said drum, and refractory blocks closing the space between said transverse tube portions and supported by said transverse tube portions, refractory blocks spaced above said first mentioned blocks, certain of said blocks having wall portions for separating the space between said blocks into a plurality of air compartments, and certain of said blocks having openings for the delivery of air for combustion of the fuel on said bottom wall.

2,412,116
PHENYL SULFONYL DIESTERS OF NITRO ALCOHOLS
Philip J. Baker, Jr., Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 9, 1945, Serial No. 604,082
4 Claims. (Cl. 260—456)

1. Phenyl sulfonyl esters of nitro alcohols having the formula:

$$X\text{—}Ar\text{—}SO_2\text{—}O\text{—}H_2C\text{—}\underset{\displaystyle R}{\overset{\displaystyle NO_2}{\underset{|}{\overset{|}{C}}}}\text{—}CH_2\text{—}O\text{—}SO_2\text{—}Ar\text{—}X$$

wherein R represents a substituent of the group consisting of hydrogen and alkyl, X represents a substituent selected from the group consisting of hydrogen, alkyl and acylamino, and Ar represents a phenyl nucleus.

2,412,117
PHENYL SULFONYL TRIESTERS OF NITRO ALCOHOLS
Philip J. Baker, Jr., Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 9, 1945, Serial No. 604,083
4 Claims. (Cl. 260—456)

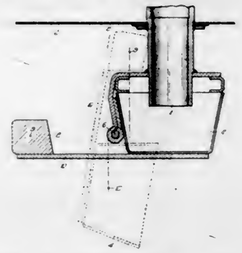
1. Phenyl sulfonyl esters of nitro alcohols having the formula

$$X\text{—}Ar\text{—}SO_2\text{—}O\text{—}H_2C\text{—}\underset{\displaystyle CH_2\text{—}O\text{—}SO_2\text{—}Ar\text{—}X}{\overset{\displaystyle NO_2}{\underset{|}{\overset{|}{C}}}}\text{—}CH_2\text{—}O\text{—}SO_2\text{—}Ar\text{—}X$$

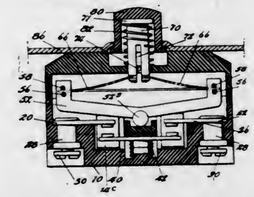
wherein X represents a substituent of the group consisting of hydrogen, alkyl and acylamino, and Ar represents a phenyl nucleus.

2,412,118
AUTOMATIC TRAP FOR REFRIGERATOR CAR DRAINPIPES
Edwin R. Battley and George E. McCoy, Montreal, Quebec, Canada
Application January 26, 1945, Serial No. 574,789
2 Claims. (Cl. 182—8)

1. In a refrigerator car having a drain pipe to drain liquid out of the interior of the car; a liquid trap for the lower end of the drain pipe, said trap including a bowl hingedly supported by a fixed car part at one side of the hinge axis, and a counterweight fixedly associated with said bowl at the other side of the hinge axis so as to cause said bowl to normally surround the lower end of said pipe and provide a water seal therefor, the respective weights of the bowl and the counterweight in relation to their distances from the hinge axis being so proportioned as to maintain the bowl in said water sealing position by gravity, said bowl being movable to open position during which movement said counterweight passes to the other side of said hinge axis sufficiently to overbalance the weight of the bowl and thereby hold the bowl in open position by gravity and when in said open position a slight movement of the car will jar the counterweight sufficiently to cause the bowl to be moved by said counterweight to water sealing position.



2,412,119
QUICK-ACTING SWITCH MECHANISM
Robert H. Bentley, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application November 9, 1943, Serial No. 509,603
4 Claims. (Cl. 200—76)

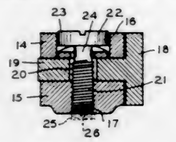


2. In an electric switch, a casing, a plurality of fixed and movable contacts therein, a contact-moving member acting upon said movable contacts to move them simultaneously, a leaf spring member cooperating at its ends with said contact-moving member and having positions of opposite bias for locating said contact-moving member in spaced positions, means in the bottom of said casing supporting said contact-moving member during change of bias in one direction, means in the top of said casing supporting said contact-moving member during change of bias in the other direction, and a manually operable actuator for changing said bias.

2,412,120
SPECTACLE TEMPLE CONNECTION
Samuel E. Bouchard, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application June 28, 1945, Serial No. 602,079
3 Claims. (Cl. 88—53)

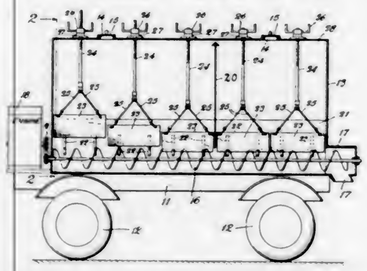
1. In an ophthalmic mounting the combination of an endpiece having spaced ears provided with upper and lower aligned apertures, a temple having an aperture, said temple mounted between said ears with all of the apertures in alignment,

the aperture in the lower ear being threaded, the aperture in the upper ear being larger than that in the lower ear, a screw passed through the apertures and threaded into the lower aperture, means for locking the screw against unintential turning, said screw having an enlarged head which fits freely into the larger aperture, and a concavely formed spring washer positioned on the screw and



located between the head of the screw and the upper face of the temple joint, the concave side of the washer being adjacent the screw head, the uppermost parts of the edge of the washer being embedded in the screw head to thereby normally prevent turning of the washer, the convex side of the washer having sliding frictional engagement with the temple joint as the latter turns about the screw.

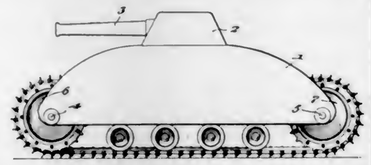
2,412,121
BULK CEMENT CONVEYANCE
John R. Bradshaw, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application July 30, 1945, Serial No. 607,791
1 Claim. (Cl. 214—83)



In an automotive conveyance for cement in bulk, a container having a partition therein dividing the same into compartments, screw conveyors mounted for rotation in the bottom of said container for discharging cement therefrom, baffle plates forming troughs for directing the cement into said screw conveyors, angled braces disposed above said screw conveyors at spaced points therealong and connected to said baffle plates, protective plates mounted in pairs for sliding movement on said angled braces and adapted to form roofs over said screw conveyors, and jacks mounted on the top of said container for raising said protective plates selectively to permit cement from either of said compartments to flow into said screw conveyors as desired.

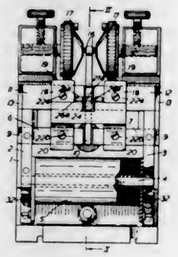
2,412,122
ENDLESS TRACK FOR VEHICLES
Thomas D. Campbell, Hardin, Mont.
Application March 15, 1945, Serial No. 582,930
10 Claims. (Cl. 305—10)

1. An endless track for vehicles having in combination, wheels at the forward and rear ends thereof, at least one of said wheels having side driving faces, sprocket teeth on said wheel, an endless drive member composed of flexible material having side driving faces adapted to be engaged by the said driving faces of said wheel, said endless drive member having lugs adapted to be engaged by said sprocket teeth, said wheel side driving faces and said endless drive member side driving faces being substantially the sole driving means for said endless drive member, said endless member side driving faces being con-



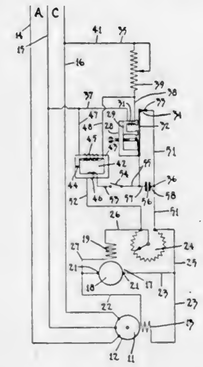
structed and adapted to simultaneously engage the side driving faces of at least one of said wheels, said lugs assisting said side driving faces of said wheel and endless member when slippage of said endless drive member occurs and said driving faces of said drive member being composed of flexible material, said side driving faces of said endless member being continuous with said endless track.

2,412,123
ELECTROMAGNETIC DEVICE
Rupert Evan Howard Carpenter, South Croydon, England
Application April 23, 1943, Serial No. 484,266
In Great Britain April 28, 1942
16 Claims. (Cl. 200—93)



16. A polarized electro-magnetic relay comprising an energizing coil having a magnetic core, an elongated vibratory magnetic armature mounted adjacent said coil and having its longitudinal axis directed substantially through the axis of said core, a magnetic circuit of low reluctance formed between the ends of said core and including a pair of spaced pole pieces mounted on opposite sides of the end of the armature nearest said coil, a magnetic path of relatively high reluctance completed between the ends of said core and including a pair of magnets having like poles thereof arranged on opposite sides of said armature adjacent the pivotal axis thereof, a contact arm carried by said armature and extending to the opposite side of its pivotal axis from said coil, and stationary contacts cooperating with said contact arm, said elements being arranged so that the centers of said contacts, the center lines of said pole pieces, the center lines of said magnets, and the axis of said core are all positioned substantially in the same plane.

2,412,124
VOLTAGE REGULATOR
William R. Carter, Minneapolis, Minn., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn.
Application April 17, 1943, Serial No. 483,395
4 Claims. (Cl. 171—312)



1. A voltage regulator for an alternating-current generator having a field winding, said regulator including a relay having a core, a winding thereon, a vibratory armature and a switch operated by said armature, a transformer having a core with two windings thereon, a regulating circuit for regulating the generator field current and including said switch, one of the windings of said transformer being connected in said regulating circuit in series with said switch, and a control circuit energized by the generator voltage and by the induced voltage in the other winding of the transformer, said control circuit energizing the winding of said relay.

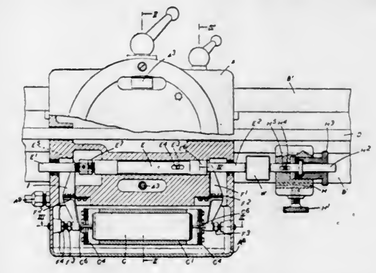
2,412,125
ARTICLE AND TREATMENT OF CASEIN FIBERS
John E. Conrad, Bala-Cynwyd, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 18, 1941, Serial No. 415,631
11 Claims. (Cl. 8—21)

6. A process of making blended fabrics containing casein fibers and natural animal fibers of approximately the same shade, which includes treating the casein fibers so as to form a metallic tannate on the fibers, blending the treated casein fibers with natural animal fibers and then pad dyeing the blended fabric to an approximately uniform shade with a substantially neutral dye bath containing neutral dyeing acid colors.

2,412,126
TREATMENT OF CASEIN FIBERS
John E. Conrad, Alton, Ill., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Original application October 18, 1941, Serial No. 415,631. Divided and this application March 19, 1946, Serial No. 655,592
10 Claims. (Cl. 28—74)

1. In a process of making pile fabrics which contain natural staple animal fibers and synthetic fibers derived from casein in the pile portion, the steps which include treating the synthetic fibers derived from casein so as to incorporate a light colored metallic tannate in the fibers, blending the casein fibers with the natural animal fibers, and fabricating said blended fibers into the pile portion of a pile fabric and then pad dyeing the animal and synthetic fibers of the pile to approximately the same shade.

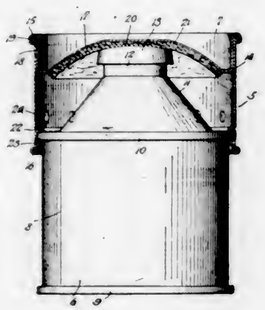
2,412,127
LINEAR DIMENSION GAUGE
Ernest Albert Cooke, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application July 5, 1944, Serial No. 543,536
In Great Britain July 14, 1943
18 Claims. (Cl. 33—147)



16. A linear dimension gauge comprising a supporting base or table, guides carried by said table, a gauge body carried by and adjustable along said guides, means for locking the gauge body to the guides in any desired position of adjustment along the guides, a feeler rod carried by the gauge body and longitudinally movable relatively thereto in a direction parallel to the guides, two transverse abutments longitudinally spaced apart on the feeler rod, one of which abutments is longitudinally adjustable on the feeler rod, means for locking said adjustable abutment in position on the feeler rod at the desired spacing of said transverse abutments, an electromagnetic device for controlling an indicating instrument and supported from the gauge body by parallel spring ligaments transverse to the length of the feeler rod, two balanced coils constituting one element of the said control device, an armature constituting the second element of the control device and coaxial with the first element these elements being movable relatively to each other thereby causing variation in the reluctance of the magnetic circuits of the coils and actuating the instrument accordingly, two rocking levers supported from the gauge body by spring ligaments transverse to the levers through which movement is transmitted from the transverse abutments on the feeler rod to the coil element and armature element respectively two adjustable abutment studs carried by the gauge body and associated with the two rocking levers respectively in alignment with the axis of the two control elements, each abutment stud permitting angular movement of the associated lever in one direction only, from a normal static position, the directions of permissible angular movement of the two levers being relatively reversed, point-sliding connections between the levers and the control elements, abutment studs and transverse abutments on the feeler rod, a spindle carried by

the supporting base parallel to the guides thereon, means for adjusting said spindle longitudinally relatively to the supporting base, a device for locking the gauge body to said spindle at will, an abutment block carried by one of the guides on the supporting base and adjustable along said guide, means for locking the abutment block to said guide in any desired position on either side of the gauge body and an adjustable stop carried by the abutment block and lying in alignment with one end or the other of the feeler rod according to whether said block is disposed on one side or the other of the gauge body.

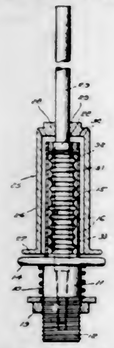
2,412,128
DEODORANT CAN
John Coyle, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 16, 1945, Serial No. 583,095
2 Claims. (Cl. 299—20)



1. A deodorizing device comprising a cylindrical shaped can having a cone-shaped upper end defining an opening with a closure member thereon, a seam for uniting the cone-shaped end with the body wall of said can, said can forming a receptacle for a deodorizing material, a vaporizer having an open end detachably connected to said seam, a dome-shaped end wall in said vaporizer, a fabric disk carried by said dome-shaped end, said dome-shaped end having a flattened portion centrally thereof for maintaining said fabric disk in contact with said closure member, said vaporizer adapted to be detached from said can to remove said closure member and when replaced thereon said fabric disk will be held by said flattened portion in contact with the mouth of said opening, whereby upon inverting said device the deodorizing material will flow onto said fabric disk and be absorbed thereby, the fumes therefrom being discharged through perforations formed in the vaporizer.

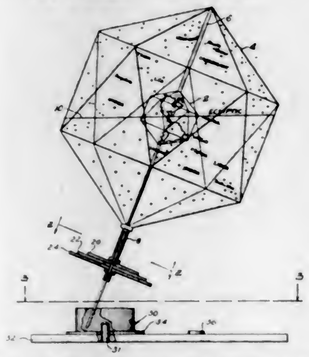
2,412,129
TEXTILE SPINDLE
Eliot G. Crawford, Stonington, Conn., assignor to William Triant, Arlington, Mass.
Application October 15, 1945, Serial No. 622,313
6 Claims. (Cl. 57—135)

1. In a textile spindle, a spindle case adapted to be mounted on a spindle rail, a spindle mounted in the case to rotate about a vertical axis, and a whirl on the spindle, said whirl surrounding the spindle case and having an annular row of outwardly inclined openings in its upper end to create a draft of air upwardly between the spin-



dle case and the whirl as the whirl rotates the spindle.

2,412,130
ASTRONOMICAL DEVICE
Joel E. Crouch, State College, Pa.
Application January 25, 1944, Serial No. 519,680
18 Claims. (Cl. 35—46)

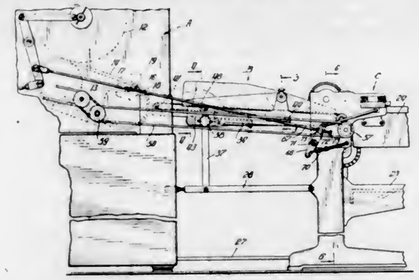


1. A device for representing the relation of the bodies of the celestial sphere to the surface of the earth comprising a globe on the surface of which is shown a map of the earth's surface, a transparent globe having shown thereon the bodies of the celestial sphere and being concentric with and surrounding the first globe and being so oriented with respect thereto that the two globes have a common north pole-south pole axis, a scale representing 360° of longitude attached to the terrestial globe, and a scale representing the months and days of the year attached to the celestial globe and being positioned adjacent the scale attached to the terrestrial globe whereby the two scales may be read with respect to each other.

2,412,131
CUTTING OIL
Thaddeus Williamson Culmer, Robinson, Ill., assignor to The Ohio Oil Company, Findlay, Ohio, a corporation of Ohio
No Drawing. Application August 13, 1943, Serial No. 498,577
2 Claims. (Cl. 252—47.5)

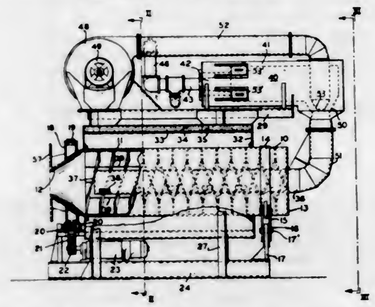
1. A chlorinated sulfurized sperm oil cutting oil which yields active sulfur under conditions of normal use, said cutting oil containing from about 0.5% to about 1.0% of lecithin to prevent such active sulfur from causing stains.

2,412,132
PRINTING PRESS
Edward F. Dell, Chicago, Ill., assignor to Davidson Manufacturing Corporation, a corporation of Illinois
Application December 5, 1942, Serial No. 467,924
15 Claims. (Cl. 101—232)



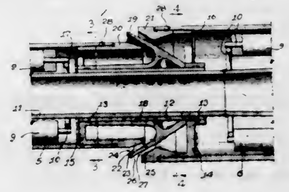
3. A printing press including a pair of printing cylinders adapted to print either face of the sheet, delivery means adapted to turn the sheet over and release it at one position in case the under face is printed and to release it at another position without turning it over when the upper face is printed, a pile jogger mechanism, a conveyor for delivering the sheets from either of said positions to the pile jogger mechanism, means for driving the pile jogger mechanism in timed relation with the press to open the pile jogger as a sheet is delivered, said conveyor including an extendable portion adapted to pivot about a point of discharge thereof whereby it may be pivoted, and extended or collapsed to properly position its receiving end for sheets released at either position.

2,412,133
DRIER
Collin M. Doyle, Salem, Ohio, assignor to The Salem Engineering Company, Salem, Ohio
Application November 5, 1942, Serial No. 464,558
3 Claims. (Cl. 263—32)



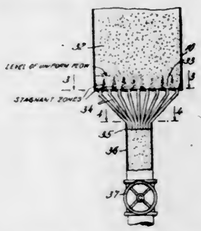
1. Apparatus of the character described comprising a portable frame having a base and uprights on said base, a horizontally disposed drying drum rotatably mounted in said frame for rotation about an axis extending intermediate said uprights, said drum having a tapered end portion, a flange connected to and extending radially outward of the outer end of said tapered portion and adapted to be rigidly and mechanically connected to a rotating part of an adjoining apparatus whereby material to be dried may be charged directly into said drum from said last mentioned apparatus, means in said drum to move the material longitudinally through said drum, air heating means supported on said uprights, a blower supported on said uprights, and means comprising said blower to move heated air from said air heating means into said drum.

2,412,134
PROJECTILE
Carolus L. Eksergian, Detroit, Mich., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War
Application February 12, 1944, Serial No. 522,037
5 Claims. (Cl. 60—35.6)



1. In a reaction propulsion device, a pair of coaxial tubular casings having their adjacent ends in spaced apart relation, each being arranged to contain a combustible reaction propulsion charge each having an axially apertured element secured within the end thereof which is adjacent the other casing, rigid means within said casings rigidly secured to said apertured elements, whereby to support one casing from the other, and an annular wall extending at an acute angle to the axis of said casing through the space between said adjacent ends in spaced relation with respect to each of said ends, said wall providing with each of said ends a peripherally continuous discharge passage.

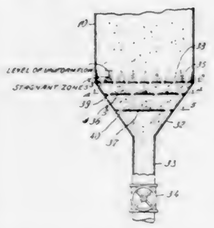
2,412,135
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application January 28, 1943, Serial No. 473,859
17 Claims. (Cl. 196—52)



1. A method of effecting conversion of hydrocarbons in the presence of particle-form solid

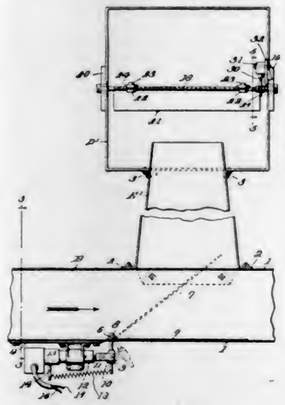
contact mass material comprising flowing said particle-form solid contact mass material downwardly through a reaction zone as a moving column under reaction conditions of temperature and pressure, replenishing the solid material in said column, introducing heated substantially vaporous hydrocarbons into said column, removing reaction products from said column, removing the particle form solid from the reaction zone by subdividing the column into a plurality of substantially equal components distributed uniformly across the cross-sectional area of the reaction zone in substantially a single plane, the cumulative cross-section area of said components being less than the cross-sectional area of the reaction zone column, causing said components to converge at angles with the vertical less than about 45 degrees, combining said components into a single flowing discharge column of less cross-sectional area than the reaction zone column and controlling the rate of flow in said discharge column uniformly throughout its cross-section and such as to maintain continuity of solid material column from said flowing discharge column through each of said components to said reaction zone column.

2,412,136
METHOD AND APPARATUS FOR HYDROCARBON CONVERSION
Louis P. Evans, Woodbury, and Frederick E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application January 28, 1943, Serial No. 473,861
24 Claims. (Cl. 196—52)



1. A method for the conversion of hydrocarbons in the presence of a moving particle-form solid contact mass material with substantially equal exposure of all portions of the contact mass comprising maintaining a downwardly moving column of said contact mass material, replenishing this column at the top thereof, introducing hydrocarbons at conversion conditions of temperature and pressure to said column, removing products of conversion therefrom, conducting particle form solid material from the bottom of said column in a plurality of streams from a plurality of points, said streams being of less total cross-sectional area than said column and the size and arrangement of said streams across the cross-sectional area of the bottom of said column being such as to provide substantially uniform stream cross-sectional area per unit of column cross-sectional area across the entire column bottom, flowing said streams on to the first of a series of accumulations of said solid material located below said column, similarly withdrawing from the bottom of each of said accumulations, serially, a smaller number of streams of said solid material, the streams from each accumulation being horizontally staggered proportionately as regards cross-sectional area with respect to the streams thereabove and finally reducing the number of streams to a symmetrically placed single discharge stream while maintaining continuity of solid material column from the bottom of said conversion zone column through said streams and accumulations to said discharge stream.

2,412,137
CROWN CAP CONVEYING SYSTEM
Henry A. Fink, Pelham Manor, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 17, 1944, Serial No. 518,572
2 Claims. (Cl. 198—20)

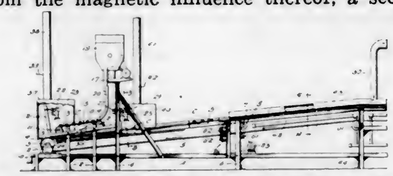


1. In automatic control mechanism for article conveyors the combination of a conveyor having a dividing way of passage; a receptacle for receiving articles from said dividing way; a deflector gate; means mounting said gate to be moved selectively to an effective position for deflecting articles from said conveyor to said dividing way or to an ineffective position in which it does not deflect the articles to said dividing way; spring means urging said gate to one of said positions; fluid pressure operated means for moving said gate to the other of said positions; electrical means for controlling the operation of said fluid pressure operated means; a shaft; a plate secured to said shaft; means pivoting said shaft and plate to swing about a substantially horizontal axis with the plate depending into said receptacle whereby said plate is adapted to be swung by articles piled up in said receptacle; a cam on said shaft; and a switch operable by said cam for controlling said electrical means.

2,412,138
APPARATUS FOR SPRAYING CROWN CAPS
Henry A. Fink, Pelham Manor, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 2, 1944, Serial No. 566,348
5 Claims. (Cl. 91—45)

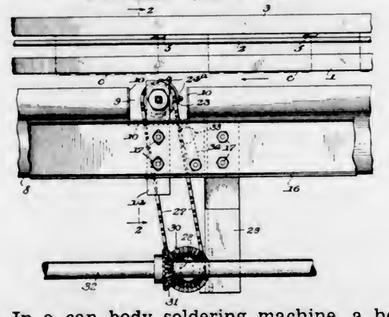
1. An apparatus for coating crown caps comprising a conveyor on which the caps are placed in a plurality of rows for coating, a spray head associated with said conveyor for coating the exposed faces of the caps, said conveyor being of non-magnetic material, a magnetic roller over

which the conveyor passes, said roller operating to hold the caps on the conveyor until they pass from the magnetic influence thereof, a second



conveyor onto which the caps drop when released from the first conveyor in an inverted position, a spray head associated with the second conveyor for coating the exposed uncoated face of the caps.

2,412,139
APPARATUS FOR LACQUER COATING SIDE SEAMS OF CAN BODIES
Henry A. Fink and Bernard D. Bloser, New York, N. Y., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 2, 1945, Serial No. 591,520
3 Claims. (Cl. 91—45)



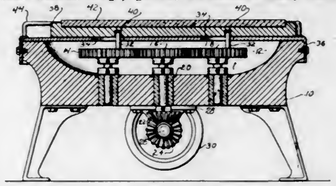
1. In a can body soldering machine, a horse for guiding can bodies with the side seam of each can body exposed for treatment, means for moving the can bodies along the horse in spaced timed relation, a nozzle disposed beneath the path of travel of the side seam for projecting a spray of lacquer onto the outer face of the moving can bodies in the area of the side seams, and means for cutting off the spray during the time interval between passing can bodies.

2,412,140
COMPOUND TO IMPROVE THE DURABILITY OF LEATHER AND LEATHER SOLES
Albert L. Fischer, New York. N. Y., assignor of fifty per cent to Bernard Winkels, Whitestone, N. Y.
No Drawing. Application December 4, 1943, Serial No. 512,987
1 Claim. (Cl. 252—8.57)

A compound for improving the durability of leather, comprising a mixture of raw linseed oil about sixty-five percent, petroleum distillate known as Varnolene, about thirty percent, and pine tar about 5 percent, combined with benzaldehyde in the proportion of two ounces of the latter to one gallon of the former mixture.

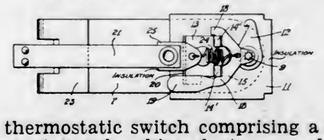
2,412,141
MECHANICAL GRINDING STONE
Asa J. Ford, Kansas City, Kans.
Application May 7, 1945, Serial No. 592,455
2 Claims. (Cl. 51—119)

1. A mechanical grinding stone comprising a table having a flat, horizontal top provided with openings in the latter; a grinding stone slidably mounted on the table top and having sockets formed in the bottom thereof; a power driven shaft carried by the table; a train of gears beneath the table top; pins, eccentrically mounted



on at least two of the gears and projecting upwardly through the openings in the table top and into the sockets of the stone holder; and structure operatively interconnecting the shaft and the train of gears to rotate the pins whereby to slide the stone holder through an orbital path over the table top.

2,412,142
THERMOSTATIC SWITCH
Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application April 10, 1943, Serial No. 482,559
7 Claims. (Cl. 200—138)

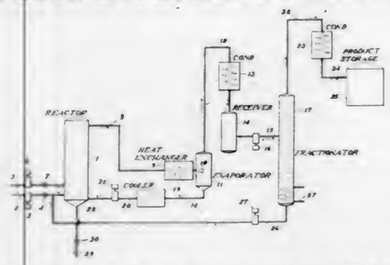


1. A thermostatic switch comprising a base, a trip contact member hinged at one end of the base, the opposite end of the base having a return bend with an offset lug cut from an intermediate part of the base and extending away from the contact end, a bimetal arm secured to said lug and connected to said trip contact member and an adjusting screw in the base adapted to engage and move the return bend and lug of the base for varying the action of the bimetal arm.

2,412,143
SEPARATION AND RECOVERY OF SOLUBLE CATALYST IN HYDROCARBON CONVERSION REACTIONS
Manuel H. Gorin and Will Swerdloff, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 23, 1945, Serial No. 589,850
7 Claims. (Cl. 260—683.4)

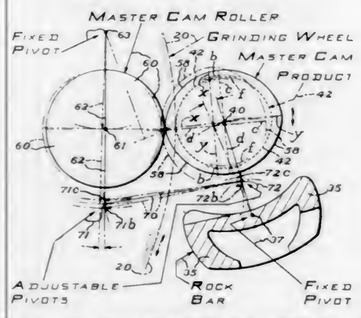
1. The method of conducting a low temperature hydrocarbon conversion reaction in which at least one reactant is a hydrocarbon which comprises conducting the reaction in a reaction zone in the presence of at least one liquid hydrocarbon having dissolved therein a hydrocarbon soluble catalyst characterized by having a boiling point above that of the desired product of the hydrocarbon conversion reaction as the effective catalytic agent, withdrawing liquid reaction mixture containing reaction product, liquid hydrocarbon solvent and dissolved catalyst from said reaction zone, transferring the withdrawn mixture to a separation zone, vaporizing product from the reaction mixture in said separation zone, removing

the product vapors from said separation zone before any substantial condensation thereof, regulating the amount of vaporization so that sufficient hydrocarbon remains in the liquid state to act as a solvent for the hydrocarbon soluble cata-



lyst, condensing the product vapors removed from said separation zone so that return of condensed product vapors to the catalyst solution is substantially avoided, recovering product from the condensate, and recycling the unvaporized portion of the reaction mixture containing the dissolved catalyst to the reaction zone.

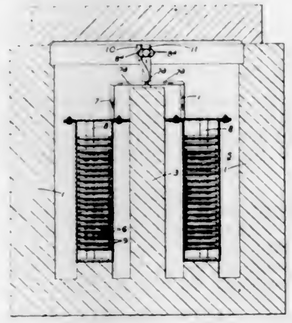
2,412,144
CAM GRINDING MACHINE
Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 16, 1945, Serial No. 605,339
5 Claims. (Cl. 51—101)



1. In a cam grinding machine having a rotatable grinding wheel, a pivotally mounted rock bar, a rotatable work support on said rock bar to support a cam to be ground, a rotatable master cam on said rock bar in axial alignment with the cam to be ground, a rotatable follower roller arranged to engage the master cam, a pivotally mounted frame to support said roller, yieldable means to maintain said master cam in operative engagement with said roller, and a connecting link the ends of which are pivotally connected to said rock bar and said frame, respectively.

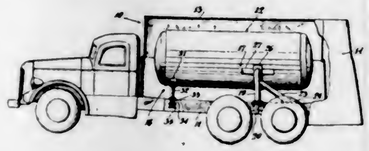
2,412,145
METALLURGICAL FURNACE
George Henry Stanley Grene, Watford, England, assignor of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England
Application October 6, 1942, Serial No. 460,991
In Great Britain October 20, 1941
7 Claims. (Cl. 263—2)

1. Apparatus for heat treating powder or small articles including a furnace with external and internal structures leaving a roughly annular space between them, heating means, an annular retort with a removable lid supportable in the annular space, a frame including tubular members, trays supportable in the stand, gas connections from outside the furnace to some of the



tubular members forming inlet pipes, exhaust connections to outside the furnace to others of the tubular members forming outlet pipes, orifices being so arranged in the said inlet and outlet pipes as to give a directed flow of gas over the surfaces of material contained in the trays.

2,412,146
TRANSPORT VEHICLE FOR LIQUEFIED GAS
Odd A. Hansen, Kenmore, N. Y., assignor to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application April 16, 1943, Serial No. 483,254
11 Claims. (Cl. 280—5)

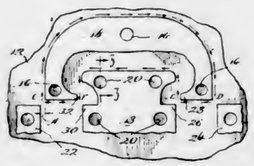


3. In a vehicle tank structure a pivotal support therefor, comprising a cross member extending through said tank piercing the shell at opposite spaced points, a supporting strap extending underneath said tank between said points, a structural supporting means extending downwardly from said tank at said points, and a pivotal support to the vehicle frame at the lower part of said structural supporting means.

2,412,147
TEMPLET
Stanley W. Hayes, Richmond, Ind., assignor to Hayes Track Appliance Company, Richmond, Ind., a corporation of Indiana
Application August 26, 1942, Serial No. 456,144, which is a division of application Serial No. 325,084, March 20, 1940, now Patent No. 2,317,526, dated April 27, 1943. Divided and this application October 25, 1943, Serial No. 507,651
3 Claims. (Cl. 33—23)

1. A templet adapted to be used with a tracing wheel of a metal working apparatus to effect

movement of a part of the apparatus along a path requiring a change in direction of movement, as from a generally clockwise to a generally counter-clockwise direction and requiring relatively sharp turns to be made, including in combination, a base, wheel guiding structure having portions extending upwardly from the base, said portions being configured to correspond to the desired movement of the said part of the apparatus and having wheel guiding surfaces so located that one side of the wheel may be brought against certain surfaces corresponding to a generally clockwise movement of the wheel and the other side of the wheel may be brought against other surfaces corresponding to a generally counter-clockwise movement of the wheel, said por-



tions being substantially continuous to correspond to continuous portions in the work piece whereby said tracing wheel may be made always to follow the outsides of surfaces, and discontinuous in regions whereat a change in direction of movement of the wheel is required, whereby the direction of movement of the wheel may be readily changed from clockwise to counter-clockwise and vice versa, and structure providing supplementary guiding surfaces to assist an operator in making sharp turns with the tracing wheel, said supplementary guiding surfaces being parallel to but spaced from said first mentioned guiding surfaces a distance sufficient to provide a lane for the wheel and to engage the other side of the wheel as the wheel is brought around the turn.

2,412,148
FUEL BARRIER
Albert Hershberger, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 21, 1942, Serial No. 459,188
6 Claims. (Cl. 154—43.5)

1. In self-sealing fuel tanks having an interliner comprising butadiene copolymer, the improvement which comprises a thin layer of a composition comprising essentially (1) a polyvinyl butyral wherein the combined butyraldehyde ranges from 20.7% to 44.0%, and (2) a substantially insoluble, infusible polyhydric phenol-aldehyde resin, firmly bonded to, and in face to face contact with, said interliner of copolymer.

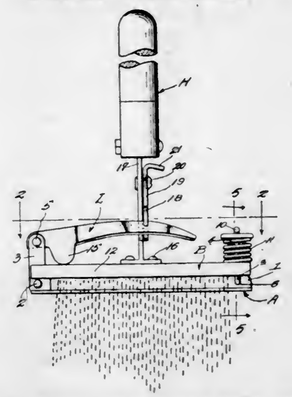
2,412,149
CORN KERNEL CUTTER
John H. Higgins, Newport, R. I.
Application July 3, 1945, Serial No. 602,959
2 Claims. (Cl. 146—4)

1. A tool of the kind described, comprising a head of arched formation, having laterally directed spring fingers, a clamping plate detachably fastened to the head within the arch formation thereof, blades interposed between the head and plate with certain of the blades acted upon by the fingers, and cutting teeth on the



blades and exposed for cutting action beyond the plate.

2,412,150
MOP HOLDER
Nikolai Hill, New York, N. Y.
Application July 16, 1945, Serial No. 605,249
1 Claim. (Cl. 15—150)

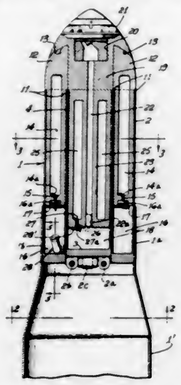


A mop holder comprising two jaws, one of said jaws being substantially U-shaped in cross section from end to end and the other jaw being substantially T-shaped in cross section from end to end, the intermediate flange of the second jaw being disposed toward the first jaw and between the side flanges of the first jaw, means for pivotally connecting one end portion of the second jaw to the adjacent end portion of the first jaw, a lever operatively engaged with the opposite end portion of the second jaw and having rolling contact with the first jaw for swinging the second jaw toward the first jaw to effectively clamp a mop head between the jaws, a handle member operatively engaged with the central portion of the first jaw, a plate pivotally mounted upon the handle member, a marginal portion of the plate being provided with spaced lugs for selective engagement with the lever when the plate is swung in one direction, and means for limiting the swinging movement of the locking plate in such direction.

2,412,151
AERIAL PROJECTILE
Lawrence Holmes, Jr., Los Angeles, Calif.
Application March 22, 1943, Serial No. 480,109
12 Claims. (Cl. 102—61)

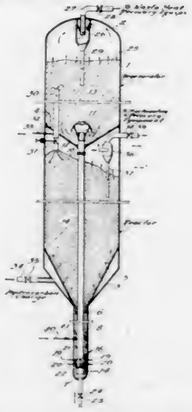
1. A projectile comprising: a plurality of hinged hollow cartridge sections, secondary projectiles

positioned in said hinged cartridge sections, means for holding said sections in locked position axially aligned with each other, means for unlocking said sections upon the passage of a predetermined time interval, means for holding said sections in a position substantially at a right angle to said first-named axially aligned position, a trigger comprising a trigger pin, a firing pin,



means connected to said trigger pin for holding said pin in safe position, means for moving said trigger pin upon arrival of said sections at said position, means operatively connected to said trigger pin for unlatching said firing pin, a detonating cap in said cartridge sections whereby on the unlatching of said firing pin said pin strikes said detonating cap.

2,412,152
METHOD AND MEANS FOR CONTACTING FINELY DIVIDED SOLID PARTICLES WITH FLUIDS
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 29, 1943, Serial No. 508,114
8 Claims. (Cl. 196—52)



1. A method of contacting finely divided solid particles successively with two fluids which comprises maintaining two solid particle fluid contacting zones in vertical alignment and partitioned from each other, continuously passing solid particles vertically downward in an annular column from the lower portion of the lower contacting zone, reversing the direction of flow of said solid particles by admixing them with a vertically upward flowing stream of fluid to be contacted in the upper contacting zone, passing the resultant mixture upwardly in straight line flow in a confined path extending vertically through said annular column and said lower zone, thereafter discharging said mixture into the lower portion of said upper contacting zone wherein the upward velocity of said fluid will cause the maintenance of a lower dense turbulent solid particle fluid phase and an upper relatively dilute solid particle fluid phase, continuously passing solid particles from the dense phase in the upper contacting zone into the upper portion of the lower contacting zone, thereby maintaining a continuous downward flow of solid particles therethrough, withdrawing fluid from the dilute phase in the upper contacting zone and passing a second fluid through the lower contacting zone in contact with the solid particles therein.

5. An apparatus of the class described comprising a vertically elongated shell, partitioning means dividing the shell into an upper contacting zone and a lower contacting zone, means for maintaining a bed of solid particles in each of said zones, fluid inlet and outlet means for said lower zone, a discharge conduit for solid particles extending vertically downward from the bottom of said shell and communicating with said lower zone, an open-ended vertical conduit extending from the lower portion of said discharge conduit through the lower contacting zone and said partitioning means into the upper contacting zone, a fluid inlet at the lower end of said discharge conduit and in communication with said open-ended conduit, a second open-ended vertical conduit disposed in said shell out of alignment with the first-named open-ended conduit and extending from a point within the upper contacting zone through said partitioning means into the upper portion of the lower contacting zone, and means for removing fluid from said upper zone.

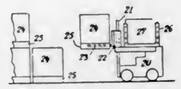
2,412,153
PROCESS OF ENRICHING CEREAL GRAINS WITH NATURAL VITAMINS
Erich Gustav Huzenlaub, Brentford, England
No Drawing. Application August 30, 1943, Serial No. 500,560
9 Claims. (Cl. 99—11)

1. That process of enriching cereal grains with natural vitamins which comprises grinding substantially starch-free, germ-free, and bran-free scutellum of wheat grains to a powder to reduce the vitamin retaining properties of the scutellum, and using the ground scutellum to increase the vitamin content of liquid in which cereal grain is steeped to enrich the natural vitamin content of the endosperm of the steeped grain.

2,412,154
BREAD AND PROCESS OF MAKING THE SAME
Maurice M. Jackson and Edward Hauser, Chicago, Ill., assignors to The Vienna Model Bakery, Inc., Chicago, Ill., a corporation of Delaware
No Drawing. Application July 22, 1942, Serial No. 451,968
5 Claims. (Cl. 99—90)

1. A baked bread comprising a baked dough composition including rye flour, water and salt and containing dispersed through said baked dough of the order of 6 per cent. of undissolved discrete salt crystals of a size which will pass through a number 10 mesh screen and will not pass through a number 14 mesh screen.

2,412,155
DEVICE FOR UNLOADING PACKAGED MERCHANDISE
Preben Jessen, North Bergen, N. J.
Application September 27, 1944, Serial No. 556,071
2 Claims. (Cl. 214—82)



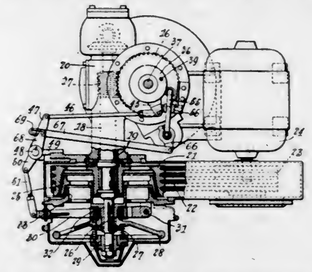
1. In an industrial fork truck, a mechanism for unloading merchandise supported on a pallet carried by the fork on the truck comprising a movable cradle, an unloading platform slidably supported within the cradle, means for supporting the cradle on the truck in a normal inoperative position, means for moving the cradle into an unloading position underneath the said pallet, means within the cradle for moving the platform out of the cradle to a load receiving position in front of and level with the pallet, means on the truck for transferring the load from the pallet to the platform, means on the truck for withdrawing the platform from underneath the load and means on the truck for moving the cradle back into its said inoperaive position on the truck.

2,412,156
RETARDER
George D. King, Chicago, and Manvel C. Dailey, Elmhurst, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 4, 1940, Serial No. 364,240
20 Claims. (Cl. 106—112)

1. The process of producing a plaster retarder comprising partially carbonating an alkaline, hydrolyzed, proteinaceous material with a carbonating agent to produce a retarder containing less than about 15 per cent by weight of combined carbon dioxide (dry basis).

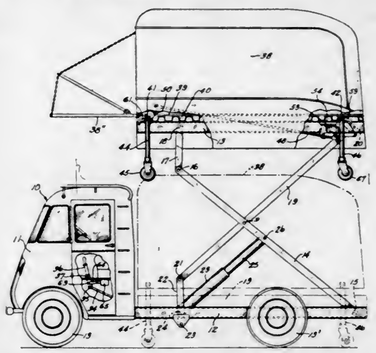
2,412,157
OVERLOAD RELEASE MEANS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Original application August 14, 1941, Serial No. 406,899. Divided and this application June 20, 1945, Serial No. 600,564
8 Claims. (Cl. 192—56)

1. In a machine of the character described, a main drive shaft, a driver collar splined on said shaft and displaceable therealong upon imposition of an overload, a driver gear freely rotatable about said shaft and normally coupled in driving relation with said collar through an overload release connection effective to displace said collar upon imposition of an overload, an actuater lug carried by said driver gear, motor driven means for imparting rotation to said driver gear and including a clutch, and clutch disconnecting means operable upon each imposition of an overload to disconnect the clutch and including an actuater element placed in the path of move-



ment of the actuater lug by displacement of the driver collar along said shaft.

2,412,158
AIRPLANE LOADING AND SERVICE VEHICLE
Norman V. Kuehlman, Milwaukee, and Henry C. French, Elm Grove, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 14, 1944, Serial No. 522,402
22 Claims. (Cl. 214—75)

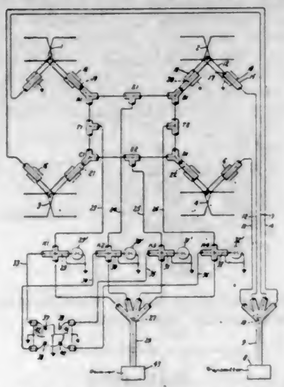


1. In a wheeled vehicle having a main rearwardly projecting wheel supported frame portion, an auxiliary frame supported on said main frame, elevating means connecting said auxiliary frame to said main frame for substantial lifting movement with respect thereto, a body positionable over said auxiliary frame and separable therefrom, independent supporting legs movably connected to said body and of a length to independently support said body when the auxiliary frame is therebeneath and in a lowered position, power operated means engaging said elevating means to raise said auxiliary frame into contact with said body to lift the body off of its legs, and means for locking the body to said auxiliary frame.

2,412,159
DIRECTIONAL RADIO SYSTEM
Laurance M. Leeds, Rotterdam Junction, N. Y., assignor to General Electric Company, a corporation of New York
Application September 15, 1941, Serial No. 410,836
13 Claims. (Cl. 250—11)

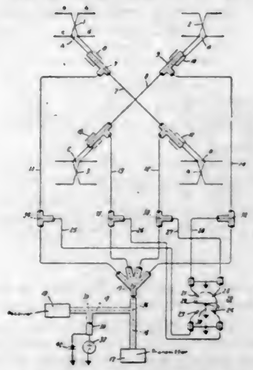
6. In combination, a plurality of antenna elements arranged at the corners of a polygon, a

transmission line loop, connections from different antenna elements to correspondingly spaced



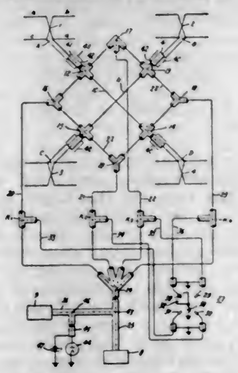
points on said loop, radio apparatus, and connections from said apparatus to points on said loop intermediate said first mentioned points.

2,412,160
DIRECTIVE RADIO SYSTEM
Richard C. Longfellow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 26, 1941, Serial No. 412,452
10 Claims. (Cl. 250—11)



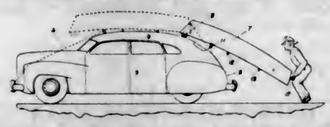
1. In combination, a plurality of antennae positioned in an array to produce maximum effect of said array with respect to certain directions, radio apparatus, a plurality of permanent transmission lines, each line extending from said apparatus to a corresponding one of said antennae, a connection between different of said lines near the antenna ends thereof, the path through any line to its corresponding one antenna being shorter than the path through the same line to any other of said antennae, means to select any of said lines in accordance with the direction in which said array is to have maximum effect, the lengths of the paths from said apparatus to all the antennae being so proportioned as to produce maximum effect in the direction corresponding to the line selection made by said means, said means comprising an impedance device having a moving member, and means whereby said lines are alternately shorted at respective points thereof in response to movement of said moving member, said points being so positioned on the respective lines as to prevent impairment of transmission through another line to an antenna corresponding to a line shorted by said impedance device.

2,412,161
TRANSMISSION SYSTEM
Franklin G. Patterson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1941, Serial No. 421,126
19 Claims. (Cl. 250—11)



19. An impedance device having impedance variable between two values, a standing wave impedance utilization line connected thereto, one of said values being inductive and such that the impedance looking into said line at its opposite end is that of a line having a length equal to an integral multiple of a quarter of a wave length, and said other value being capacitive and such that the impedance looking into said line at its opposite end is that of a line having length different from said first length by a quarter of a wave length.

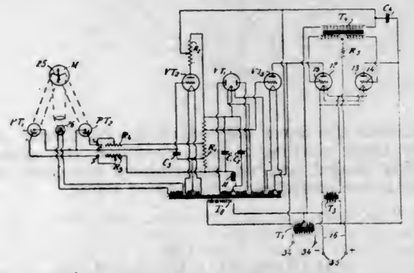
2,412,162
BOAT LOADING DEVICE
Lawrence Julius Lindblom, San Francisco, Calif.
Application January 10, 1946, Serial No. 640,300
1 Claim. (Cl. 224—29)



In a device of the character described, the combination with a boat of a bow-wheel mounted in the upper surface of the bow, and a pair of spaced supporting wheels mounted on the gunwales of the bow, a relatively short distance toward the stern of the boat, and suction cup means carried on the gunwales of the boat substantially as shown and described.

2,412,163
ELECTRIC CONTROL
Carl J. Lundborg, Great Falls, Mont.
Original application January 21, 1942, Serial No. 427,567. Divided and this application February 22, 1944, Serial No. 523,450
10 Claims. (Cl. 315—198)

1. In a system for automatically controlling the output of a gas-filled rectifier in accordance with changes in a given load, said rectifier having a control grid, means for providing said control grid with a potential having a predetermined phase relation with the potential of the plate thereof, a vacuum tube having a grid, a grid circuit, a cathode, a plate and a plate circuit, means in said plate circuit for deriving a control potential therein, coupling means linking said plate circuit with the control grid of said rectifier for automatically varying said phase relation in accordance with variations in said control potential, and means for effecting variations in said



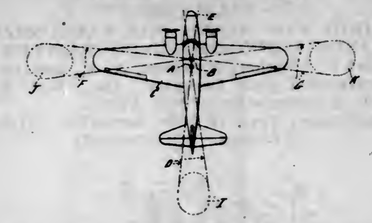
control potential in response to changes in said load, including: relay means, means for automatically actuating said relay means in accordance with a preselected change in said given load, a source of substantially constant biasing potential, and connections between said relay means, the grid of said vacuum tube and said source of biasing potential, said change in given load effecting a corresponding change in the biasing potential impressed on the grid of said vacuum tube to vary the output of said rectifier in accordance with said changes in said given load.

2,412,164
STEP ADJUSTABLE WRIST BAND
Archibald MacLachlan, Chicago, Ill.
Application October 2, 1945, Serial No. 619,756
1 Claim. (Cl. 24—206)



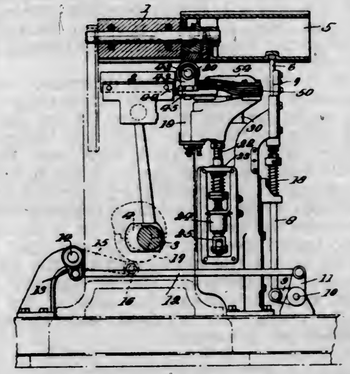
A buckle comprising an elongated box like member of rectangular cross section and having an interior face and an open end, a spring attached at its rear end to the interior face of said box like member adjacent the open end of said box like member and extending diagonally forwardly and upwardly therefrom, said spring having a diagonally forwardly and upwardly extending free front end, said spring having a transverse embossment intermediate its ends, a rod positioned in said embossment and extending beyond said box like member, the free front end of said spring normally contacting a removable member inserted into said box like member through said open end thereof, said rod upon manual forward movement against said spring adapted to move the front end away from contact with the removable member.

2,412,165
SUBMARINE DETECTING METHOD AND APPARATUS
Eugene McDermott, Dallas County, Tex.
Application March 7, 1942, Serial No. 433,836
4 Claims. (Cl. 250—83.3)



1. The method of locating a submarine from aircraft which comprises traversing an area to be patrolled and scanning the surface thereof with fairly directional heat detectors, substantially insensitive to light waves within the visible and higher portions of the spectrum, one of the said detectors being oscillated fore and aft and another of the said detectors being oscillated laterally to scan two strips of said surface, and locating thereby the heat track of a submarine.

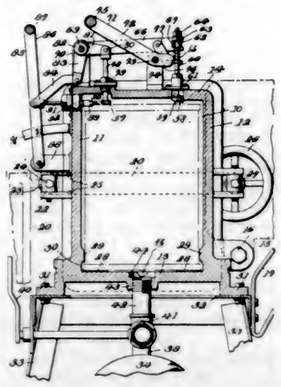
2,412,166
MACHINE FOR ELECTRIC WELDING CAN BODIES
Ralph M. Mero and Alfred Treff, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 4, 1943, Serial No. 501,312
7 Claims. (Cl. 219—6)



1. A welding machine comprising a supporting horn for a formed can body having a side seam including interlocking hooks and lapped portions at the end thereof, cooperating welding electrodes disposed at one side of said horn so as to engage the outer face of the can body in the region of the lap portions of the side seam for spot welding the same, a supporting head on which said electrodes are mounted, means for reciprocating said head to cause the electrodes to contact with the can body, one of said electrodes including a rotatable disk, a supporting bracket for said disk, a supporting plate for said bracket, means for connecting the bracket to said supporting plate on said head including insulation so that the bracket is insulated from the supporting plate therefor, yielding means for moving said bracket

toward the can body, a stop for limiting the movement of the bracket relative to the supporting plate, and means for supplying current to said bracket and the electrode carried thereby.

2,412,167
METHOD AND MEANS FOR VACUUMIZING AND GASSING FILLED CONTAINERS
Herbert L. Minaker, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 17, 1944, Serial No. 531,526
23 Claims. (Cl. 226—82)

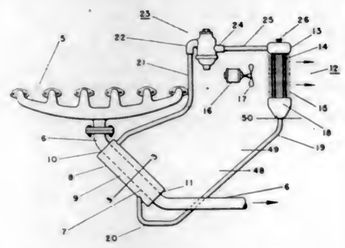


1. A method of treating canned material prior to sealing the can comprising, subjecting the filled can to a vacuum while the lid is held in a closed but not air sealed position, then introducing an inert gas into the can with the lid thereon partly raised, and then returning the lid to said closed position.

12. In a device of the class described a chamber adapted to receive a can containing a substance to be treated with the lid for said can resting in place thereon, a plunger adapted to be moved into engagement with said lid and normally tending to tilt the lid while in engagement therewith, a vertically reciprocable presser bar adapted when in lowermost position to assist said plunger in holding the lid in a closed but not air sealed position on the can and when raised to permit the plunger to tilt the lid, and a laterally reciprocable member adapted to be inserted beneath the uplifted edge of the tilted lid as the presser bar is raised, and retracted as the presser bar is lowered.

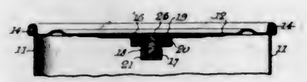
2,412,168
VAPOR HEATING SYSTEM
Anthony F. Hoesel, Chicago, Ill., assignor to Peerless of America Inc., Chicago, Ill., a corporation of Illinois
Application July 10, 1944, Serial No. 544,306
6 Claims. (Cl. 237—9)

2. A vapor heating system for a body enclosure associated with an internal combustion engine, comprising: an exhaust pipe for the engine, a chamber adapted to contain a body of liquid in its lower portion and to be heated by said pipe, a vapor-condenser disposed above said chamber, for heating the enclosure, a vapor-conduit between the upper portion of said chamber and the upper portion of the condenser, pressure control means in the vapor-conduit for restricting the flow of vapor to the condenser responsively to an increase of vapor pressure in the vapor-conduit, a valveless condensate return conduit



between the lower portion of the condenser and the lower portion of said chamber, the system being sealed against atmosphere and containing a predetermined quantity of liquid.

2,412,169
VACUUMIZED CAN CLOSURE
James H. O'Neil, Syracuse, N. Y., assignor to Continental Can Company, Inc., Syracuse, N. Y., a corporation of New York
Application December 24, 1943, Serial No. 515,475
2 Claims. (Cl. 220—44)

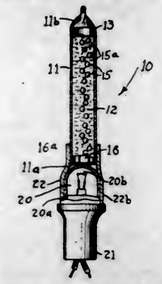


1. A can having a vacuum drawn therein comprising a body, end covers on the can body, a collar formed in one of the end covers defining an opening therein and a rubber plug sealing said opening, said plug having a shank portion which normally is larger in cross-sectional area than the inner diameter of said opening and which is forced into the can through said collar and expanded in sealing contact in said collar opening and also having a recess in said shank portion, said recess extending into said shank portion below the position of said collar so that air at atmospheric pressure in said recess will constantly tend to expand the plug shank against the collar and outwardly below said collar.

2,412,170
METHOD OF MAKING GYPSUM CEMENT
John P. C. Peter, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application July 1, 1941, Serial No. 400,629
2 Claims. (Cl. 23—122)

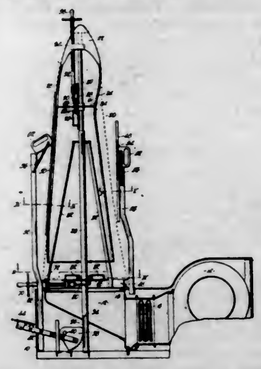
2. A method of producing calcium sulfate hemihydrate from wet gypsum containing about 12% of free moisture which comprises mixing about two parts by weight of said wet gypsum with one part of hot, freshly calcined calcium sulfate hemihydrate to remove substantially all the free moisture in the gypsum, calcining the resulting substantially dry gypsum at temperatures of 300–400° F. to produce hot calcium sulfate hemihydrate, and returning a portion of said hot calcium sulfate hemihydrate to the mixing step.

2,412,171
DEVICE FOR PRODUCING ORNAMENTAL AND DECORATIVE BUBBLE LIGHTING EFFECTS
John Petry, Bayside, Long Island, N. Y., assignor to Raylite Electric Corp., Bronx, N. Y., a corporation of New York
Application May 6, 1946, Serial No. 667,580
7 Claims. (Cl. 240—10)



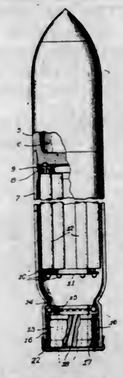
2. A bubbling device of the character described having a transparent tubular body, a solution comprising a plurality of liquid constituents sealed in the body, at least two of said constituents having reversed characteristics as to volatilization and viscosity, one of said constituents having high volatility and low viscosity, the other of said constituents having low volatility and high viscosity for producing on heating dissociation and vaporization of the high voltile constituent to form a flowing bubble stream in said liquid, the relative proportions of said constituents being selected to attain a characteristic bubbling effect.

2,412,172
GARMENT FINISHER
Earl L. Pettit, Winfield, Kans.
Application August 13, 1945, Serial No. 610,602
9 Claims. (Cl. 223—68)



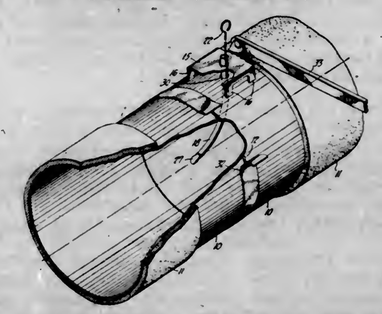
1. A garment finisher of the character described comprising a frame having a front and a back vertical strip, and a neck and shoulder form; a support for the frame; an open bottom bag of flexible, porous material over the frame; a base, having hot air and steam generating equipment therein, in communication with the bag at the bottom thereof; a clamp disposed to cooperate with each strip respectively for holding a garment against the said bag along the said strips; and means for raising and lowering the frame independently of the clamps.

2,412,173
PROJECTILE
Winslow B. Pope, Detroit, Mich., assignor, by mesne assignments, to United States of America
Application February 22, 1944, Serial No. 523,415
2 Claims. (Cl. 60—35.6)



1. In a reaction propulsion device, a casing for housing a combustible propelling charge, a cylindrical member within one end of said casing, anti-friction bearing means within said end in surrounding relation with respect to said member for supporting said member for free rotation, an annular end thrust bearing within said end in advance of said member and engaged therewith, and means secured to said end for retaining said member in said end, said member having a plurality of discharge passages extending longitudinally therethrough, said passages being inclined relative to the axis of rotation of said member and said axis of rotation being coincident with the axis of said casing.

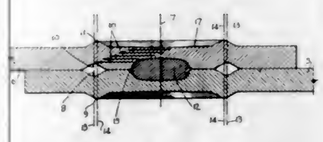
2,412,174
RADIOGRAPHIC INSPECTION METHOD
Russell G. Rhoades, San Francisco, Calif., assignor to Bechtel Brothers McCone Company, a corporation of Delaware
Application June 24, 1946, Serial No. 678,783
2 Claims. (Cl. 250—65)



1. A method of radiographing a circumferential weld in a pipe line access to which from an open end is impracticable, comprising the steps of making a temporary opening in the wall of said pipe line at a point adjacent said weld, introducing radioactive material through said temporary opening, positioning said radioactive material in the general plane of said weld and substantially

on the axis of said pipe line, exposing to the emanation of said radioactive material film wrapped around said pipe line exteriorly thereof at said weld, withdrawing said radioactive material through said temporary opening, and sealing said temporary opening.

2,412,175
SPOT WELDING
Edmund T. Ridgway, Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 26, 1943, Serial No. 507,659
2 Claims. (Cl. 219—10)



1. Method of making a spot weld connection, comprising the step of forming an enclosing bead in at least one of the members to be united and in simultaneously compressing the material surrounded by said bead, and the further step of producing a weld in the central portion only of the region surrounded by the bead in such a manner that compressive forces in the material around said weld are substantially neutralized.

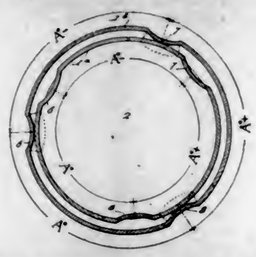
2,412,176
TREATING FATTY OILS
Alexander Schwarcman, Buffalo, N. Y., assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y., a corporation of New York
No Drawing. Application February 12, 1943, Serial No. 475,651
10 Claims. (Cl. 260—404.8)

1. A process of manufacturing improved drying oils from semi-drying oils which comprises heating a mixture comprising a major proportion of a semi-drying oil and a minor proportion of a drying oil with approximately from 1 to 7 per cent on the weight of the oil of a polyhydric alcohol until reaction is substantially complete and esterifying the reaction product with approximately 1 to 7 per cent on the weight of the oil of a polybasic acid of the class consisting of polycarboxylic acids and their anhydrides, to form an oil of low acid number.

2,412,177
DRYING OIL MANUFACTURE
Alexander Schwarcman, Buffalo, N. Y., assignor to Spencer Kellogg and Sons, Inc., Buffalo, N. Y., a corporation of New York
No Drawing. Application February 12, 1943, Serial No. 475,652
12 Claims. (Cl. 260—404.8)

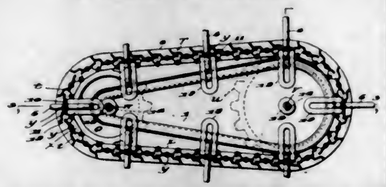
1. A process of manufacturing improved drying oils capable of bodying rapidly to a fast drying product, which comprises heating a fatty oil having drying properties with approximately from 1 to 7 per cent on the weight of the oil of a polyhydric alcohol until reaction is substantially complete and esterifying the reaction product with approximately 1 to 7 per cent on the weight of the oil of a polybasic acid of the class consisting of polycarboxylic acids and their anhydrides, to form an oil of low acid number.

2,412,178
METAL STACKING CONTAINER
Joseph W. Seigh, Teaneck, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 8, 1944, Serial No. 525,581
2 Claims. (Cl. 220—97)



1. A container comprising a body drawn from a metal blank and having an integral bottom end, the upper end of said body being flanged and adapted to be closed by seaming an end closure thereto, said body having the side wall thereof uniformly tapered from the bottom end upwardly and provided at unequally spaced intervals with inwardly extending flutes shaped so that a nested body will be supported by line contact between the outer face of the wall of an inner body and the inner face of the flutes of an outer body when the flutes of the nested containers are out of register, said flutes extending all the way from the bottom end of the container body to a point adjacent the flange at the upper end thereof and gradually tapered inwardly toward said upper end and curved in cross section so as to provide said line contact between the flutes and the body wall of a nested container.

2,412,179
CONVEYER
Miles L. Sensenig, Lancaster, Pa., assignor to Dellinger Manufacturing Company, a corporation of Pennsylvania
Application July 16, 1945, Serial No. 605,314
6 Claims. (Cl. 198—197)



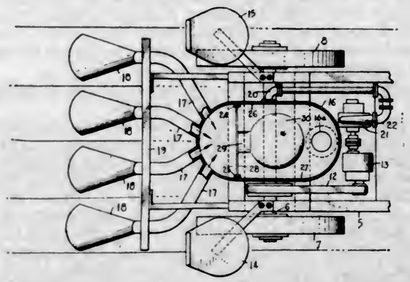
2. An endless band conveyer having an opening in its endless band, a pair of shafts extending between the runs of said conveyer respectively adjacent the respective ends of the loop of said conveyer, means respectively mounted on the respective shafts and respectively engaging the inner faces of the respective ends of said loop, and a rigid radius member extending about both of said shafts to maintain them in definite relative spaced relation, in combination with a feed finger extending through said opening, a pair of slotted guides secured to said conveyer, means integral with said feed finger and extending through the slots of and guided by said pair of guides, a stem integral with and extending from said means, and a head integral with and extending from said stem on both sides thereof, and a cam track carried by said radius member and extending in an endless loop thereabout approaching said conveyer at some points and receding from it at others and receiving said head and having radially outer walls disposed between said means and head to alternately engage the same to reciprocate the same and the finger carried by the said means, said walls being spaced from each other to form a passage for the travel of said stem about the cam-track.

2,412,180
PUZZLE
Henry M. Slocum, New York, N. Y.
Application June 30, 1943, Serial No. 492,912
4 Claims. (Cl. 273—157)



2. A jigsaw type puzzle comprising a plurality of irregularly and arbitrarily shaped pieces adapted to be assembled in only one proper relation in which the assembly has a margin of predetermined size and shape, and a casing enclosing the puzzle having a base of substantially the size and shape of the puzzle when assembled and a cover above the base through which the puzzle may be viewed, whereby the puzzle may be assembled upon the base by shaking and otherwise manipulating the casing, a plurality of said puzzle pieces being permanently secured to the base in proper, assembled relation to each other and to the base, whereby assembly of the loose pieces is facilitated.

2,412,181
INSECT EXTERMINATOR
Kenna L. Smith, Pascagoula, Miss.
Application January 24, 1945, Serial No. 574,293
1 Claim. (Cl. 43—140)

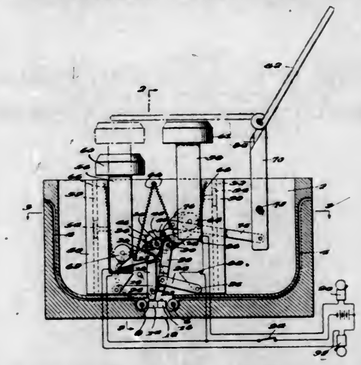


A field insect exterminating device, consisting of a vehicle having a motor plant for driving the same, a receiving tank on the vehicle, a suction blower on the vehicle, driving connections between the blower and the motor plant, means establishing suction communication between the blower and the tank, guides arranged in the tank, a partition slidable on said guides and provided with a lateral nipple, a filtering and collecting bag coupled to said nipple, and a suction nozzle communicating with the tank and adapted to be positioned close to the ground over which the vehicle travels.

2,412,182
WATER-DISPERSED TACKY RUBBER ADHESIVE
Henry N. Stephens, White Bear, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application November 5, 1946, Serial No. 707,890
16 Claims. (Cl. 260—731)

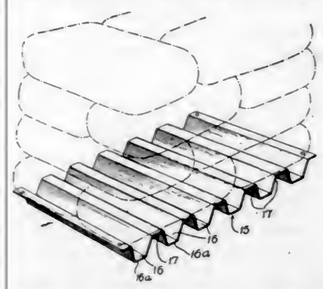
1. A sprayable water-dispersed, pressure-sensitive rubber adhesive composition of the oil-in-water type, in which rubber is in dispersed phase and the tack of the rubber is improved by having blended therewith a substantially non-acidic and substantially water-insoluble resinous tack producer having a much higher compatibility with rubber than cumarone-indene resins, the individual dispersed particles thereby being a uniform blend of said rubber and said resinous tack producer, and further characterized in that in the form of a film, upon evaporation of water, said film is highly tacky and will adhere tenaciously to smooth metal surfaces.

2,412,183
READING AND WRITING MACHINE
Walter P. Taylor, Jr., New York, N. Y.
Application July 7, 1942, Serial No. 450,079
5 Claims. (Cl. 197—6.1)



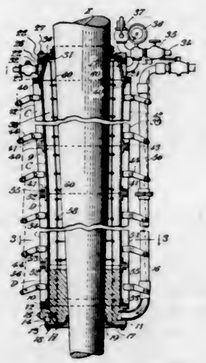
1. A machine for embossing messages on a tape comprising a tape supplying device, dies located on one side of the tape path side by side in the direction of movement of the tape, embossing members mounted on the other side of the tape path for movement towards and from said dies, a shaft, levers pivotally mounted on said shaft and connected to said members, keys operatively connected to said levers to move the members towards the dies, means to move the members away from the dies, means connected to said shaft to feed the tape, and one-way means connecting each lever to the shaft whereby movement of one of said members towards embossing position feeds the tape in one direction while movement of the other member away from embossing position feeds the tape in the same direction, that member which actuates the last mentioned means being intermediate the other member and the tape supplying device.

2,412,184
PALLET
Bronislaus Ulinski, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application May 2, 1944, Serial No. 533,760
3 Claims. (Cl. 248—120)



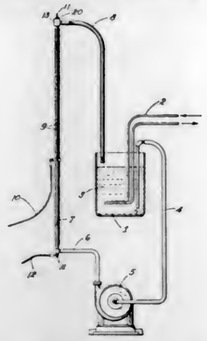
1. A pallet adapted to support a load comprising a structurally rigid corrugated sheet having load engaging surfaces and floor engaging surfaces, said corrugated sheet being sufficiently rigid to support and to hold a load spaced from the ground, whereby the pallet will lift the load when lift forks are inserted beneath the peaks of said sheet formed between the floor engaging surfaces thereof, and whereby a load may be lifted bodily from said pallet by a similar and parallel insertion of the lift forks between said load engaging surfaces into the valleys of said sheet and between the load and pallet.

2,412,185
METHOD OF ENCASING DRIVEN PILING
Carl Weber, New York, N. Y.
Application June 7, 1945, Serial No. 597,995
6 Claims. (Cl. 61—54)



6. A method for producing concrete encasements about piling driven into water-covered ground and projecting upwardly through the water consisting in assembling a sectional metallic casing about the piling in spaced relation thereto above the water-line, securing said sections together by releasable clamps, lowering said sections into position as the same are assembled and fastened to adjacent sections, forcing air into said casing to eject water therefrom, forcing plastic concrete mixture into said casing at the bottom thereof and upwardly therein to fill the space between the piling and the casing, and releasing the clamps and removing the casing when the concrete hardens.

2,412,186
METHOD OF BRIGHT POLISHING STAINLESS STEEL TUBES
Irving Whitehouse, South Euclid, and Victor S. Chambers, Cleveland, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application October 24, 1942, Serial No. 463,216
8 Claims. (Cl. 204—140)

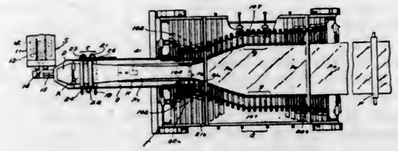


1. The method of polishing which includes the steps of passing thru the annular space between an elongated stainless steel tube and a cathode disposed axially therewithin a polishing electrolyte which fills said space and flows at a rate sufficient to dislodge gases from the inner surface of the tube, and passing thru the flowing electrolyte and between the tube and cathode a polishing current which is of substantially uniform density on every unit area of the inner surface of the tube.

2,412,187
PROCESS AND APPARATUS FOR PRODUCING CONTINUOUS SHEET OF BIAXIALLY ORIENTED ORGANIC POLYMER
Fred E. Wiley, Hartford, Robert W. Canfield, West Hartford, Raymond S. Jesionowski, Hartford, and James Bailey, West Hartford, Conn., assignors to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application August 17, 1943, Serial No. 498,970
8 Claims. (Cl. 18—12)

1. Apparatus for forming continuous, biaxially oriented sheet of solvent-free organic polymer comprising a screw stuffer for working and extruding said polymer, means for heating said stuffer to heat the solvent-free polymer to a selected working temperature, a die connected to said stuffer for forming the polymer into a ribbon when extruded therethrough by said stuffer, a set of cooperative rolls positioned for cooperative contact with said ribbon in advance of and adjacent to said die, means to drive said rolls at a speed suitably related to the rate of extrusion of the ribbon from said die to cause said rolls to contact with successively extruded portions of said ribbon and to conduct them away from said die without sufficient pull on the portion of the ribbon between said rolls and die to cause substantial stretching thereof, said rolls being sufficient in number and so arranged in

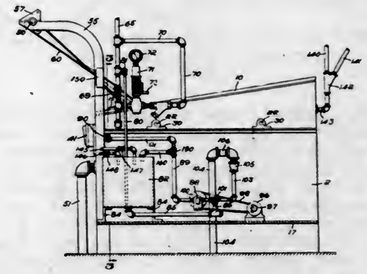
relation to one another and to said die that any pull on the ribbon beyond said rolls will be prevented by said rolls from reaching the portion of the ribbon between the rolls and the die, means for circulating a cooling medium through said rolls to cause them to chill superficially the portions of the ribbon contacted thereby, an oven through which said ribbon may pass on leaving said rolls, heating means in said oven for maintaining the ribbon at approximately a selected temperature at which substantial orientation may be introduced into the solvent-free polymer by the application thereto of directional stresses, means for regulating the heating of said ribbon by said heating means transversely of the ribbon, and means for applying said directional stresses to said ribbon comprising gripper conveyor means located a substantial distance from said rolls, opposed grippers carried by said con-



veyor means in endless paths at opposite sides of the path of travel of said ribbon, transverse slides on the conveyor for supporting the grippers thereon, means for actuating the respective grippers to grip the edges of said ribbon, means for driving the gripper conveyor means at a selected linear speed greater than the linear speed of said rolls to draw the ribbon longitudinally and to elongate it while its edges are free whereby said ribbon is caused to contract in width prior to its engagement by said grippers, means for bodily sliding said grippers inwardly of said conveyor means into position to engage the edges of said ribbon, means actuating said grippers to slide them bodily outwardly of said conveyor means to draw the ribbon transversely a predetermined amount, and means for causing the grippers to release the sheet thus formed and to move them clear of the edges of said sheet.

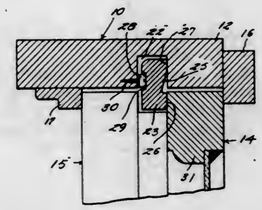
2,412,188
CLOTH DYEING MACHINE
Harry C. Wolfenden, Attleboro, Mass.
Application September 18, 1941, Serial No. 411,415
1 Claim. (Cl. 68—177)

Apparatus of the kind described for dyeing cloth and the like sheet articles, comprising a closed pressure-tight receptacle adapted to hold a mass of dyeing liquid therein, partially filling said receptacle, rotatable means within said receptacle adapted to carry and move articles to be treated in a predetermined direction therein, a curved support for said articles between the rotatable feeding means adapted to receive said articles on the upper part of the curved contour of said support in the line of feed, said curved support being below the normal level of liquid within the receptacle, the progressive feeding action removing the articles from the lower portion of said curved support, heating means outside the receptacle extending into the inner portion adapted to supply heat to said dyeing liquid, a conduit leading within the receptacle from above the liquid level to below said liquid level, a pump operative to draw heated vapors thru said conduit and supply same into the liquid under pressure from said pump, a vertically extending fixed screen adjacent one end of the receptacle widthwise of the same protecting the articles being treated from contacting with said conduit and steam pipes, an auxiliary mixing tank out-



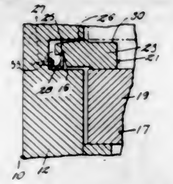
side of and adjacent said receptacle, and means to force liquid from the receptacle to the mixing tank and from said tank to the receptacle, while maintaining said receptacle closed in pressure-tight condition and during the continuous movement of articles being treated within said receptacle, whereby a regenerative process of supply of fresh dyeing liquid is intermittently effected without interrupting the dyeing operations.

2,412,189
WINDOW FRAME PARTING STOP
Harry G. Womack, Atlanta, Ga.
Application January 21, 1944, Serial No. 519,208
4 Claims. (Cl. 20—52.4)



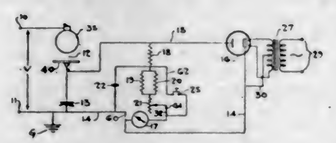
1. In a window frame and sash construction, including a frame having side jambs, sash in the frame between the jambs, and a parting stop channel formed longitudinally in each of said jambs; two independent parting stops in each channel in end abutting relation and having movement in and transversely of the channel, each stop having a recess extending lengthwise of one face thereof forming a longitudinal tongue, said tongue lying outside the channel and having constant sliding contact with a side stile of one adjacent sash only, and resilient means housed entirely within the channel engaging one side of and constantly urging the adjacent stop in a direction to press the stop tongue against the said side stile.

2,412,190
WINDOW FRAME PARTING STOP
Harry G. Womack, Atlanta, Ga.
Application September 22, 1944, Serial No. 555,318
7 Claims. (Cl. 20—52.4)



1. A window frame and sash construction, a frame having side jambs each having a parting stop channel formed longitudinally therein and sash in the frame between the jambs; a parting stop in each channel formed of two independent sections disposed in end abutting relation, each section having a portion extending outwardly from the channel to position between adjacent sash, each section having a longitudinal rib on one side face engaging and rocking upon the adjacent side of the channel, spring means housed entirely within the channel adjacent to the side faces of the sections opposite from the rib and engaging the section to rock the same on the ribs, the portion of each parting stop section lying outside the channel and along the side face thereof opposite from the rib being formed to provide an outstanding bearing flange having contact with the adjacent sash.

2,412,191
VOLTMETER
Paul D. Zottu, Indian Hills, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application March 31, 1944, Serial No. 528,941
6 Claims. (Cl. 171—95)

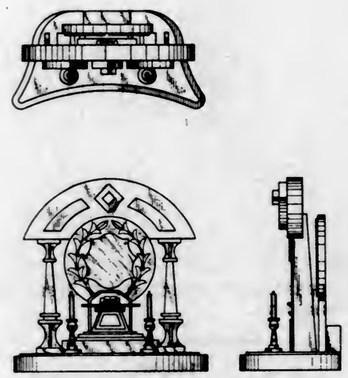


1. The combination, with a high-voltage high-frequency measuring device of the type in which a rectified current varies in accordance with the voltage to be measured, of a plate having an opening therein, a high-voltage capacitor comprising two electrodes, means for supporting a first of said electrodes on one side of said plate in spaced relation therewith and electrically insulated therefrom, said first electrode being larger than said opening, the second electrode of said capacitor being spherical, means supporting said spherical electrode in spaced relation with the other side of said plate and with said first electrode, said supporting means providing for the adjustment of the position of said spherical electrode with respect to said first electrode thereby to change the voltage range of the device.

DESIGNS

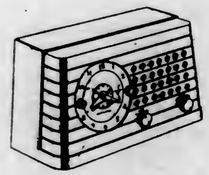
DECEMBER 3, 1946

145,995
DESIGN FOR AN ALTAR OR SIMILAR ARTICLE
Leonard D. Cherneff, Seattle, Wash.
Application November 13, 1945, Serial No. 123,720
Term of patent 14 years
(Cl. D29—23)



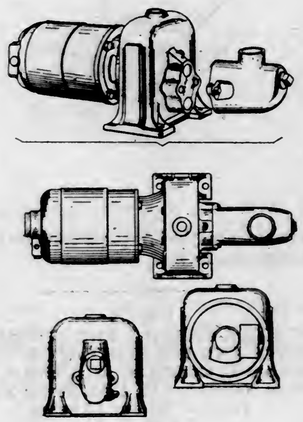
The ornamental design for an altar or similar article, as shown.

145,996
DESIGN FOR A COMBINATION RADIO RECEIVER AND TIMER CLOCKCASE
Francesco Collura, New York, N. Y., assignor to Telechron Inc., a corporation of Maine
Application January 21, 1946, Serial No. 125,803
Term of patent 7 years
(Cl. D56—4)



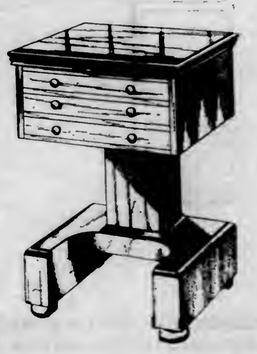
The ornamental design for a combination radio receiver and timer clockcase, as shown and described.

145,997
DESIGN FOR A WELL PUMP
William J. Conery, Ashland, Ohio, assignor to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio
Application April 14, 1945, Serial No. 118,999
Term of patent 14 years
(Cl. D65—1)

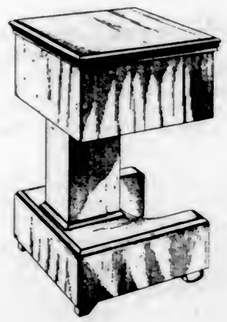


The ornamental design for a well pump, substantially as shown.

145,998
DESIGN FOR A CABINET FOR A SEWING MACHINE
William A. Davidson, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 13, 1945, Serial No. 122,819
Term of patent 14 years
(Cl. D33—12)

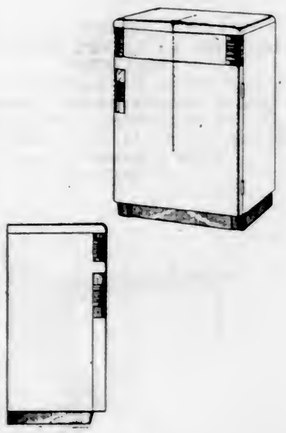


145,998—Continued



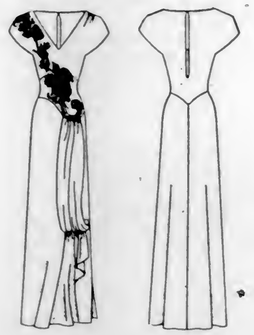
The ornamental design for a cabinet for a sewing machine, as shown.

145,999
DESIGN FOR A CABINET FOR COMBINATION STOVE AND REFRIGERATOR UNIT
William L. Goodman, Jr., Chicago, Ill.
Application November 19, 1945, Serial No. 123,894
Term of patent 14 years
(Cl. D67—3)



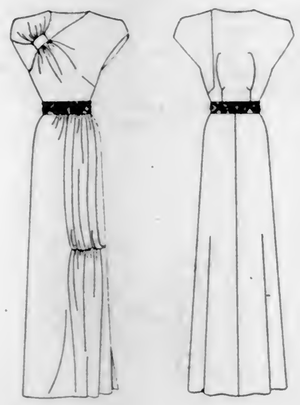
The ornamental design for a cabinet for combination stove and refrigerator unit, as shown.

146,000
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application September 26, 1946, Serial No. 133,584
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

146,001
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application September 26, 1946, Serial No. 133,585
Term of patent 3½ years
(Cl. D3—26)



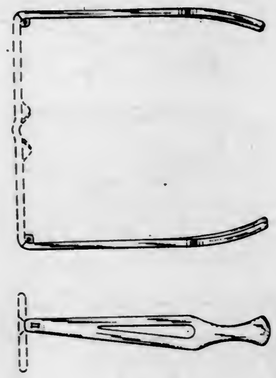
The ornamental design for a dress, substantially as shown.

146,002
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application September 26, 1946, Serial No. 133,586
Term of patent 3½ years
(Cl. D3—26)



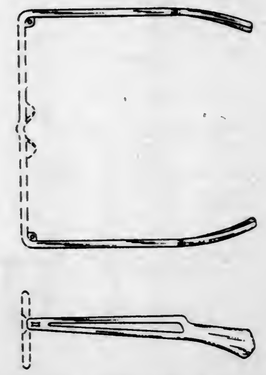
The ornamental design for a dress, substantially as shown.

146,003
DESIGN FOR A SPECTACLE FRAME
Louis Jacobson, New York, N. Y.
Application August 30, 1946, Serial No. 132,957
Term of patent 14 years
(Cl. D57—1)



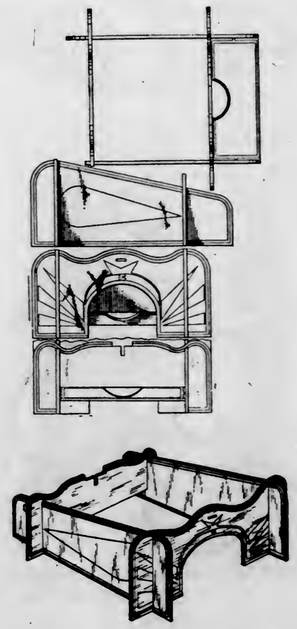
The ornamental design for a spectacle frame, substantially as shown and described.

146,004
DESIGN FOR A SPECTACLE FRAME
Louis Jacobson, New York, N. Y.
Application August 30, 1946, Serial No. 132,958
Term of patent 14 years
(Cl. D57—1)



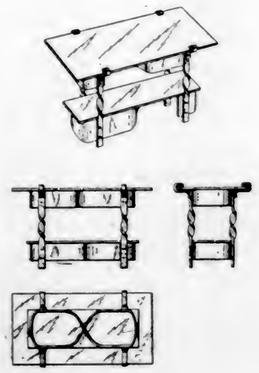
The ornamental design for a spectacle frame, substantially as shown and described.

146,005
DESIGN FOR A MARBLE GAME ENCLOSURE
Frederick H. King, Detroit, Mich.
Application October 29, 1945, Serial No. 123,287
Term of patent 14 years
(Cl. D34—5)



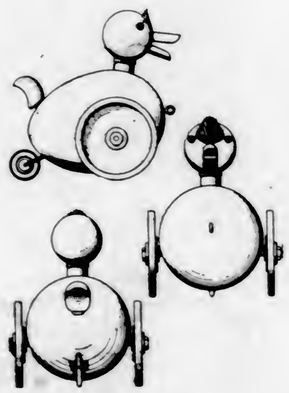
The ornamental design for a marble game enclosure, as shown.

146,006
DESIGN FOR A TABLE
Charles M. Kolacy, Bloomfield, N. J.
Application December 8, 1945, Serial No. 124,558
Term of patent 7 years
(Cl. D33—14)



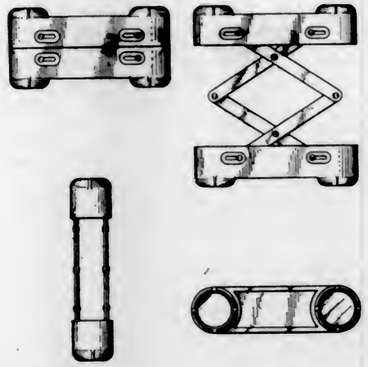
The ornamental design for a table, as shown.

146,007
DESIGN FOR A FIGURE TOY
Joseph S. Looney, Beaumont, Tex.
Application October 5, 1945, Serial No. 122,539
Term of patent 14 years
(Cl. D34—15)



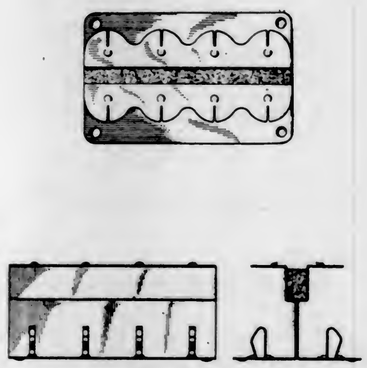
The ornamental design for a figure toy, substantially as shown.

146,008
DESIGN FOR A COLLAPSIBLE, FOCUSING FIELD GLASS
Richard Morbee, Chicago, Ill.
Application February 25, 1946, Serial No. 126,890
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a collapsible, focusing field glass, as shown and described.

146,009
DESIGN FOR A SPOOL HOLDER
Lester P. Neats, East Orange, N. J.
Application March 28, 1946, Serial No. 128,038
Term of patent 3½ years
(Cl. D3—19)



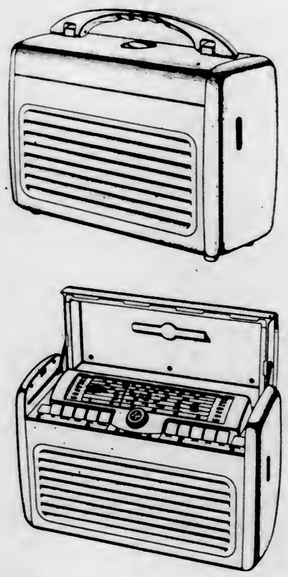
The ornamental design for a spool holder, as shown.

146,010
DESIGN FOR A TWISTED PLASTIC TUBE
Karl Schick, New York, N. Y.
Application September 11, 1945, Serial No. 122,003
Term of patent 7 years
(Cl. D87—3)



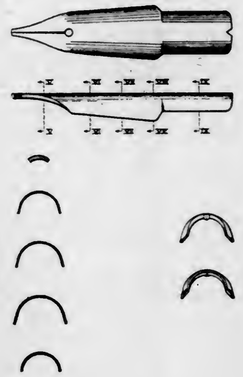
The ornamental design for a twisted plastic tube, substantially as shown and described.

146,011
DESIGN FOR A RADIO RECEIVER
Frederick D. Schnoor, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 24, 1945, Serial No. 124,048
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a radio receiver, as shown and described.

146,012
DESIGN FOR A WRITING PEN
Harold E. Steinberg, Philadelphia, Pa., assignor to The Esterbrook Pen Company, Camden, N. J., a corporation of New Jersey
Application October 31, 1945, Serial No. 123,367
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a writing pen, as shown and described.

146,013
DESIGN FOR A LAPEL WATCH FRAME
David Taylor, Great Neck, N. Y.
Application September 21, 1945, Serial No. 122,224
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a lapel watch frame, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A & C Better Bedding Co., Chicago, Ill. Mattresses, studio couches, and box springs. Serial No. 508,691; Dec. 3. Class 32.

A & C Better Bedding Co., Chicago, Ill. Mattresses, sofa beds, and over-stuffed lounge chairs. Serial No. 508,693; Dec. 3. Class 32.

Advance Transformer Co., Chicago, Ill. Fluorescent lamp transformers and fluorescent lamp ballasts. Serial No. 492,985; Dec. 3. Class 21.

Airite Mfg. Co.: *See*—
Threm, William B.

Aloyl Company, The: *See*—
Warren, Lyman B., Jr.

Aluminum Window Corporation, The, Long Island City, N. Y. Aluminum windows and window frames. Serial No. 500,270; Dec. 3. Class 12.

American Crucible Company, Shelton, Conn. Crucibles. Serial No. 500,723; Dec. 3. Class 34.

Ard Products Co.: *See*—
Davis, Arthur N.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Unfilled compacts, unfilled vanity cases, and unfilled lipstick holders. Serial No. 510,428; Dec. 3. Class 2.

Arrow Engineering & Chemical Co., Inc., Flint, Mich. All purpose insect spray, mouse poison, volatile insecticide, etc. Serial No. 485,809; Dec. 3. Class 6.

Asha Lingerie Company, New York, N. Y. Women's night gowns, slips, panties, etc. Serial No. 493,096; Dec. 3. Class 39.

Austenal Laboratories, Incorporated, New York, N. Y. Preformed plastic patterns. Serial No. 491,699; Dec. 3. Class 44.

Bentivegna, Carmelo, New York, N. Y. Ointment for treating piles. Serial No. 493,587; Dec. 3. Class 6.

Bluepoints Company, Inc., West Sayville, Long Island, N. Y. Oysters. Serial No. 498,488; Dec. 3. Class 46.

Brown, David, & Sons (Huddersfield), Limited, Lockwood, Huddersfield, England. Gearing and gear boxes. Serial No. 500,584; Dec. 3. Class 23.

Chalberg, W. C., Company: *See*—
Chalberg, Wilmot C.

Chalberg, Wilmot C., doing business as W. C. Chalberg Company, Grand Rapids, Mich. Prefabricated buildings of wood. Serial No. 495,953; Dec. 3. Class 12.

Chanel, Inc., New York, N. Y. Perfume, eau de cologne, toilet water, etc. Serial No. 496,012; Dec. 3. Class 6.

Chicago Paper Group, Chicago, Ill. Cellulosic base products. Serial No. 478,309; Dec. 3. Class 37.

Chipiden Publishing Corporation, New York, N. Y. Magazine or publication. Serial No. 501,635; Dec. 3. Class 38.

"Coffette" Products, Inc., Brooklyn, N. Y. Preparations for the treatment of textile fibers and fabrics. Serial No. 495,586; Dec. 3. Class 6.

Cohen, Joseph H., & Sons, Inc., New York, N. Y. Men's clothing. Serial No. 501,636; Dec. 3. Class 39.

Coill-Shuman Co., Boston, Mass. Misses' and juniors' sportswear. Serial No. 502,884; Dec. 3. Class 39.

Comedy Publications, Inc., New York, N. Y. Magazine or publication. Serial No. 501,640; Dec. 3. Class 38.

Congoleum-Nairn Inc., Kearny, N. J. Linoleum and enamel surfaced felt base coverings or the like. Serial Nos. 497,919–20; Dec. 3. Class 20.

Consolidated Cosmetics, assignor to Veralin, Inc., Chicago, Ill. Toilet paper, pencils, and writing paper. Serial No. 500,606; Dec. 3. Class 37.

Continental Commodities Corporation, New York, N. Y. Cocoa, glucose, vanilla beans, etc. Serial No. 485,437; Dec. 3. Class 46.

Cramer, Charlotte A., doing business as Cramer Products Company, New York, N. Y. Bread mix. Serial No. 501,565; Dec. 3. Class 46.

Cramer Products Company: *See*—
Cramer, Charlotte A.

Curran Artware Mfg. Co., Downers Grove, Ill. Toy cannons. Serial No. 495,014; Dec. 3. Class 22.

Curtiss, Frank R., New Haven, Conn. Staples in strips for fastening papers, etc. Serial No. 497,784; Dec. 3. Class 37.

Cygnet Seacraft: *See*—
Morse, Charles L.

Dansk Chemo-Therapeutisk Selskab A/S, Copenhagen, Denmark. Medicine for phthisis. Serial No. 492,259; Dec. 3. Class 6.

Davis, Arthur N., doing business as Ard Products Co., Chicago, Ill. Germicidal preparation. Serial No. 498,403; Dec. 3. Class 6.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Pneumatic tires composed of rubber and fabric and inner tubes therefor. Serial No. 504,885; Dec. 3. Class 35.

De Vries, Roger, Buenos Aires, Argentina. Dolls. Serial No. 501,832; Dec. 3. Class 22.

Drenthe, W. G., Chicago, Ill. Coin controlled, electrically operated devices providing music, etc. Serial No. 500,608; Dec. 3. Class 21.

Elbon Lab.: *See*—
McNulty, William J.

Empire Box Corporation, Garfield, N. J. Cartons for packing frozen foods. Serial Nos. 510,664–5; Dec. 3. Class 2.

Essley Shirt Company, Inc.: *See*—
Trubenizing Process Corporation.

Ethiopian Laboratory: *See*—
Saulsberry, Ransom W.

Firestone Tire & Rubber Company, The, Akron, Ohio. Water or moisture repellent piece goods. Serial No. 456,488; Dec. 3. Class 42.

Fischer, Albert C., doing business as Servicised Products Company, Chicago, Ill. Bird houses; rubber kneeling pads, and tree protectors. Serial No. 459,927; Dec. 3. Class 50.

Flynn and Emrich Company, Baltimore, Md. Electrically operated ice cubing (cutting) machines and sand mixing machines. Serial No. 494,665; Dec. 3. Class 23.

Fluoricite: *See*—
Rajcok, Susan D.

Fraser & Johnston Co., San Francisco, Calif. Refrigerators and refrigerated display cases. Serial Nos. 507,184–5; Dec. 3. Class 31.

Gibson Products Company, Cleveland, Ohio. Automotive brake shoe hold down parts. Serial No. 496,778; Dec. 3. Class 19.

Gilbert, Paul H., New York, N. Y. Cartoon. Serial No. 473,698; Dec. 3. Class 38.

Glenmore Distilleries Company, Louisville and Owensboro, Ky. Whiskey. Serial No. 496,903; Dec. 3. Class 49.

Glidden Company, The, Cleveland, Ohio. Mechanically refined vegetable protein materials. Serial No. 498,134; Dec. 3. Class 1.

Gold Leaf and Metallic Powders Co., New York, N. Y. Lead pencils, copying pencils, mechanical pencils, etc. Serial No. 488,215; Dec. 3. Class 37.

Good House Stores, Inc., Philadelphia, Pa. Radio receiving sets and/or radio transmitting sets. Serial No. 498,626; Dec. 3. Class 21.

Gretsch, Fred, Manufacturing Co., The, Brooklyn, N. Y. Violins, guitars, banjos, etc. Serial No. 482,531; Dec. 3. Class 36.

Harman Watch Company, New York, N. Y. Horological instruments. Serial No. 482,929; Dec. 3. Class 27.

Hartmann Company, Racine, Wis. Suitcases, hand luggage cases; hat boxes, etc. Serial No. 501,385; Dec. 3. Class 3.

Harvey Co., The, Nashville, Tenn. Household linens, domestics such as towels, bedspreads, blankets, etc. Serial No. 476,841; Dec. 3. Class 42.

Heatbath Corporation, Indian Orchard, Springfield, Mass. Gas-fired combination ranges and heaters, and gas-fired combination heaters, etc. Serial No. 505,199; Dec. 3. Class 34.

Hijos de S. de Orive, Longrono, Spain. Tooth paste. Serial No. 486,949; Dec. 3. Class 6.

Hodgman Rubber Company, Framingham, Mass. Resin or plastic-coated fabrics. Serial No. 498,521; Dec. 3. Class 42.

Hubinger Company, The, Keokuk, Iowa. Laundry starch. Serial No. 500,392; Dec. 3. Class 6.

Hunter, C. Roy, doing business as Royal Date Gardens, Indio, Calif. Fresh dates, dried fruits, and dates stuffed with nuts. Serial No. 490,066; Dec. 3. Class 46.

Infilco Incorporated, Chicago, Ill. Machines for use in standard sewage disposal plants. Serial No. 498,350; Dec. 3. Class 23.

International Brotherhood of Electrical Workers, Washington, D. C. Jewelry. Serial No. 491,332; Dec. 3. Class 28.

Irwin Auger Bit Company, The, Wilmington, Ohio. Bits, augers, and screw drivers. Serial No. 495,387; Dec. 3. Class 23.

Italian Cook Oil Corp., Brooklyn, N. Y. Salad and cooking oil. Serial No. 485,276; Dec. 3. Class 46.

Jay-Dee Leather Products Company, Redwood City, Calif. Pocketbooks, wallets, billfolds, etc. Serial No. 501,911; Dec. 3. Class 3.

Jelenko, Rena M., doing business as The Jelrus Co., New York, N. Y. Hand operated press. Serial No. 486,953; Dec. 3. Class 23.

Jelrus Co., The: *See*—
Jelenko, Rena M.

Kaylon Incorporated, New York, N. Y. Men's and ladies' pajamas and night robes. Serial No. 469,934; Dec. 3. Class 39.

Kellogg, P. P., & Co.: *See*—
United States Envelope Company.

Kendall Refining Company, Bradford, Pa. Liquid petroleum hydrocarbon solvents. Serial No. 497,183; Dec. 3. Class 6.
Kimber-Murphy Manufacturing Company, Little Rock, Ark. Venetian blinds. Serial No. 509,290; Dec. 3. Class 32.
Lang Brothers: *See*—
Lang, Robert L.
Lang, Robert L., doing business as Lang Brothers, Paducah, Ky. Tablets for use in the relief of simple neuralgia and headache. Serial No. 499,715; Dec. 3. Class 6.
LeTourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Earth working, construction, and industrial equipment. Serial No. 508,170; Dec. 3. Class 23.
Lincoln Textile Products Co., Inc., Boston, Mass. Slipcovers for furniture. Serial No. 508,535; Dec. 3. Class 32.
Loft Candy Corporation, Long Island City, N. Y. Candy. Serial No. 500,099; Dec. 3. Class 46.
Long, Edward J., doing business as Universal Dictating Machine Co., New York, N. Y. Dictating machines. Serial No. 495,483; Dec. 3. Class 36.
Madamoiselle Co., Philadelphia, Pa. Deodorant pads. Serial No. 493,689; Dec. 3. Class 6.
Marks, Nancy J., Chicago, Ill. Toilet articles. Serial No. 494,692; Dec. 3. Class 6.
McNulty, William J., doing business under the name Elbon Lab., Montclair, N. J. Preparation for relief of athlete's foot. Serial No. 498,015; Dec. 3. Class 6.
Metro Toy Company, New York, N. Y. Toy animals. Serial No. 506,180; Dec. 3. Class 22.
Metropolitan Lithograph & Publishing Co., Everett, Mass. Greeting cards. Serial No. 487,091; Dec. 3. Class 38.
Michaels Bros., New York, N. Y. Radio receiving sets and/or radio transmitting sets. Serial No. 495,083; Dec. 3. Class 21.
Miller Shoe Company, The, Cincinnati, Ohio. Shoes. Serial No. 469,689; Dec. 3. Class 39.
Mohawk Rubber Company, The, Akron, Ohio. Pneumatic tires and inner tubes for pneumatic tires. Serial Nos. 509,157–8; Dec. 3. Class 35.
Moore, Samuel, & Company, Kent, Ohio. Stanchions, seat grab rails, arm rests, etc. Serial No. 499,958; Dec. 3. Class 19.
Morse, Charles L., doing business as Cygnet Seacraft, Milford, Conn. Rowboats, sail boats, and motor-boats. Serial No. 498,162; Dec. 3. Class 19.
Morton Machine Works, Ferndale, Mich. Work and tool holding fixtures and clamps. Serial No. 495,085; Dec. 3. Class 23.
National Filter Corporation, New York, N. Y. Filtering material. Serial No. 509,439; Dec. 3. Class 31.
National Industries, Inc.: *See*—
National Mineral Company, The.
National Mineral Company, The, Chicago, Ill., now by change of name to National Industries, Inc. Lipsticks. Serial No. 487,854; Dec. 3. Class 6.
National Mineral Company, The, Chicago, Ill., now by change of name to National Industries, Inc. Lipsticks. Serial No. 487,858; Dec. 3. Class 6.
Nicoll's Oat Cake Bakery, West Somerville, Mass. Scotch shortbread. Serial No. 503,318; Dec. 3. Class 46.
Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent. Serial No. 498,028; Dec. 3. Class 6.
Pelco Mfg. Co.: *See*—
Pelka, Adolph.
Pelka, Adolph, doing business as Pelco Mfg. Co., Los Angeles, Calif. Skis. Serial No. 492,949; Dec. 3. Class 22.
Pessl, Helene, Inc., New York, N. Y. Tooth brushes. Serial No. 501,277; Dec. 3. Class 29.
Pinsky, Sol, doing business under the firm name of Sherold Specialty Products, New York, N. Y. Combination radio receiving set and electrical apparatus for the production of ozone. Serial No. 499,664; Dec. 3. Class 21.
Potter & Johnston Machine Company, Pawtucket, R. I. Metal working machines and tools therefor. Serial No. 500,412; Dec. 3. Class 23.
Preco Incorporated, Los Angeles, Calif. Convertible ice bunkers for refrigerator cars. Serial No. 497,197; Dec. 3. Class 19.
Rabin, Irwin, New York, N. Y. Women's and children's aprons. Serial No. 493,980; Dec. 3. Class 39.
Radio Condenser Company, Camden, N. J. Electrical electro-magnets. Serial No. 500,822; Dec. 3. Class 21.
Rajcok, Susan D., doing business as Fluoricite, Danbury, Conn. Tooth paste, tooth powder, and mouth wash. Serial No. 483,663; Dec. 3. Class 6.
Ranchway Remedies Company: *See*—
Stribling, John B., & Son, Ltd.
Rola Company, Inc., The, Cleveland, Ohio. Electrical loud speakers, microphones, radio receiving sets and parts thereof, etc. Serial No. 505,924; Dec. 3. Class 21.
Rosemarie de Paris, Inc., New York, N. Y. Candy. Serial No. 506,127; Dec. 3. Class 46.
Royal Date Gardens: *See*—
Hunter, C. R.
Royal Petroleum Corporation, New York, N. Y. Gasoline. Serial No. 495,335; Dec. 3. Class 15.
Royal Petroleum Corporation, New York, N. Y. Fuel oil. Serial No. 495,336; Dec. 3. Class 15.
Rubovits, Toby Inc., Chicago, Ill. Advertising material. Serial No. 501,217; Dec. 3. Class 38.
S-B Manufacturing Company, Milwaukee, Wis. Stand for holding upright a Christmas tree. Serial No. 491,029; Dec. 3. Class 50.
Saturday Review Associates, Inc., The, New York, N. Y. Literary word puzzle. Serial No. 501,930; Dec. 3. Class 38.
Saulsberry, Ransom W., doing business as Ethiopian Laboratory, Los Angeles, Calif. Ointment for the treatment of dandruff of scalp and other similar scalp diseases. Serial No. 483,236; Dec. 3. Class 6.
Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. Serial No. 492,589; Dec. 3. Class 48.
Schumer, Wm. H.: *See*—
Schumer, William H.
Schumer, William H., doing business as Wm. H. Schumer, Los Angeles, Calif. Women's and misses' blouses, slacks, sport suits, etc. Serial No. 497,819; Dec. 3. Class 39.
Seibold, Webb G., Los Angeles, Calif. Periodical. Serial No. 490,771; Dec. 3. Class 38.
Servicised Products Company: *See*—
Fischer, Albert C.
Sharma, J. N., Los Angeles, Calif. Chemically prepared ice. Serial No. 500,705; Dec. 3. Class 1.
Sherold Specialty Products: *See*—
Pinsky, Sol.
Simon-Zucker Co., The, New York, N. Y. Outer garments comprising women's and children's shorts, slacks, sunsuits, etc. Serial No. 497,422; Dec. 3. Class 39.
Smith, F. Anne, doing business as Suntime Products, New York, N. Y. Facial mask powder, facial cream, face lotion, etc. Serial No. 497,275; Dec. 3. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Inhaler. Serial No. 510,450; Dec. 3. Class 44.
Smith, L. C., Gun Company, Incorporated, The, Fulton, N. Y. Guns and parts thereof. Serial No. 494,762; Dec. 3. Class 9.
Spiegel, Inc., Chicago, Ill. Steel kitchen cabinets. Serial No. 492,230; Dec. 3. Class 32.
Sprague Products Company, North Adams, Mass. Electric resistors. Serial No. 476,530; Dec. 3. Class 21.
Standard Brands Incorporated, New York, N. Y. Frozen vegetables. Serial No. 504,708; Dec. 3. Class 46.
Stern, Merritt Co. Inc., New York, N. Y. Mufflers and men's sport shirts. Serial No. 485,176; Dec. 3. Class 39.
Street & Smith Publications, Inc., New York, N. Y. Title for a column. Serial Nos. 501,934–5; Dec. 3. Class 38.
Stribling, John B., & Son, Ltd., doing business as Ranchway Remedies Company, Rotan, Tex. Veterinarian supplies. Serial No. 480,787; Dec. 3. Class 6.
Stuart-Chase Co., North Bergen, N. J. Analgesic capsules, corn remover, nose drops, etc. Serial No. 495,559; Dec. 3. Class 6.
Suntime Products: *See*—
Smith, F. Anne.
Telex, Inc., Minneapolis, Minn. Electronic acoustic speakers with soft amplification. Serial No. 489,423; Dec. 3. Class 21.
Threm, William B., doing business as Airite Mfg. Co., Toledo, Ohio. Portable electrically operated room unit apparatus, and parts of said apparatus. Serial No. 465,587; Dec. 3. Class 34.
Treasuremasters, assignor to Treasure Masters Corporation, Minneapolis, Minn. Greeting cards. Serial No. 493,988; Dec. 3. Class 38.
Treasure Masters Corporation, assignee: *See*—
Treasuremasters.
Trubenizing Process Corporation, assignor to Essley Shirt Company, Inc., New York, N. Y. Outer shirts, collars, and cuffs. Serial No. 486,597; Dec. 3. Class 39.
Trubenizing Process Corporation, assignor to Essley Shirt Company, Inc., New York, N. Y. Outer shirts, collars, and cuffs. Serial No. 492,348; Dec. 3. Class 39.
20th Century Comic Corporation, New York, N. Y. Magazine or publication. Serial No. 501,694; Dec. 3. Class 38.
U. S. A. Comic Magazine Corp., New York, N. Y. Magazine or publication. Serial No. 501,695; Dec. 3. Class 38.
United States Envelope Company, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial Nos. 493,000–3; Dec. 3. Class 37.
United States Envelope Company, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 493,299; Dec. 3. Class 37.
United States Envelope Company, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 493,855; Dec. 3. Class 37.
United States Envelope Company, doing business under the name and style of one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial Nos. 493,857–8; Dec. 3. Class 37.
United States Envelope Company, doing business as one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 494,170; Dec. 3. Class 37.

United States Envelope Company, doing business as one of its divisions, P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 494,172; Dec. 3. Class 37.
United States Rubber Company, New York, N. Y. Aqueous emulsions of thermoplastic resins. Serial No. 496,490; Dec. 3. Class 6.
Universal Dictating Machine Co.: *See*—
Long, Edward J.
Veralin, Inc., assignee: *See*—
Consolidated Cosmetics.
Wallace & Tiernan Products Incorporated, Belleville, N. J. Composition for treatment of varicose veins. Serial No. 497,429; Dec. 3. Class 6.
Warren, Lyman B., Jr., doing business as The Aloyl Company, St. Paul, Minn. Chemical preparations. Serial No. 482,820; Dec. 3. Class 6.
Webster Electric Company, Racine, Wis. Thermostatically controlled, variable diameter, and V-pulleys. Serial No. 500,850; Dec. 3. Class 23.
Wilbur-Suchard Chocolate Company, Inc., Borough of Lititz, Pa. Cocoa. Serial No. 479,407; Dec. 3. Class 46.
Wilson Sporting Goods Co., Chicago, Ill. Golf balls. Serial No. 510,631; Dec. 3. Class 22.
Windsor, Edward B., Company, The, Milwaukee, Wis. Extension bracket for supporting the handset of a telephone instrument. Serial No. 491,298; Dec. 3. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Ades-Lexington Dry Goods Co., Lexington, Ky. Hosiery. 222,019; renewed Dec. 21, 1946. O. G. Dec. 3. Class 39.
Aero-Art: *See*—
Frantz Industries.
Agency Paper Company, New York, N. Y. Air mail paper, air mail envelopes, printing paper, etc. 425,763; Dec. 3; Serial No. 493,939; published Sept. 17, 1946. Class 37.
Albert, Inc., Chicago, Ill. Women's garments. 425,882–3; Dec. 3. Class 39.
Alice Frock Co., San Francisco, Calif. Women's and children's wearing apparel. 425,822; Dec. 3; Serial No. 497,912; published Sept. 10, 1946. Class 39.
Allen Manufacturing Co., Chicago, Ill. Women's, misses', and juniors' sportswear. 425,826; Dec. 3; Serial No. 498,367; published Sept. 10, 1946. Class 39.
Alosium Products Company, Pittsburgh, Pa. Clays that are suitable for use in tooth paste, lotions, face packs, etc. 425,733; Dec. 3; Serial No. 489,577; published Sept. 10, 1946. Class 1.
Aluminum Products Co., San Francisco, Calif. Window ventilators. 425,846; Dec. 3; Serial No. 500,721; published Sept. 17, 1946. Class 34.
American Lens Company, Inc., New York, N. Y. Objective lenses and reflectors. 425,716; Dec. 3; Serial No. 483,839; published Sept. 10, 1946. Class 26.
Arizona Dawn Ranch: *See*—
Gardner, M. D.
Art Wire Stamping Co., Newark, N. J. Artificial fish bait. 425,737; Dec. 3; Serial No. 490,053; published Sept. 17, 1946. Class 22.
Ault & Wiborg Co., Cincinnati, Ohio, to Interchemical Corporation, New York, N. Y. Printing-inks. 58,620; re-renewed Dec. 18, 1946. O. G. Dec. 3. Class 11.
Automatic Draft & Stove Co. Inc., Lynchburg, Va. Wood burning stoves. 425,886; Dec. 3. Class 34.
Automatic Electric Company: *See*—
Automatic Electric Inc.
Automatic Electric Inc., to Automatic Electric Company, Chicago, Ill. Automatic telephone sets. 221,377; renewed Nov. 30, 1946. O. G. Dec. 3. Class 21.
Ayres, William, & Sons, to William Ayres & Sons, Philadelphia, Pa. Horse-blankets. 56,597; re-renewed Oct. 9, 1946. O. G. Dec. 3. Class 3.
Bay State Optical Company, Attleboro, Mass. Ophthalmic mountings. 425,764–5; Dec. 3; Serial Nos. 494,007–8; published Sept. 10, 1946. Class 26.
Berman, S. A., doing business as Frozen Dough Products of America, Minneapolis, Minn. Frozen dough. 425,819; Dec. 3; Serial No. 497,771; published Sept. 10, 1946. Class 46.
Bilbara Publishing Company, Inc., New York, N. Y. Condensed illustrated magazine. 425,919; Dec. 3. Class 38.
Birdsall, Robert E., Fontana, Wis. Box and crate shooks, and knockdown and assembled wooden and metal boxes, etc. 425,690; Dec. 3; Serial No. 455,884; published Sept. 10, 1946. Class 2.
Blanke-Baer Extract & Preserving Co., St. Louis, Mo. Jam, marmalade, fruit butters, etc. 425,745; Dec. 3; Serial No. 491,541; published Sept. 17, 1946. Class 46.
Blossom Acres Ranch: *See*—
Meyer, Horace J.
Blossom Products Corporation, Allentown, Pa. Ladies' and kiddies' panties and briefs. 425,837; Dec. 3; Serial No. 499,105; published Sept. 3, 1946. Class 39.
Blue Ribbon Products Company, San Francisco, Calif. Washing and cleaning compound. 425,803; Dec. 3; Serial No. 496,497; published Sept. 10, 1946. Class 4.
Blumenfield, Lewis, doing business as La Salle Neckwear Co., Philadelphia, Pa. Neckties. 425,912; Dec. 3. Class 39.
Bonney Forge and Tool Works, Allentown, Pa. Tool boxes. 425,706; Dec. 3; Serial No. 482,269; published Sept. 10, 1946. Class 2.
Bowers Printing Ink Company, Chicago, Ill. Printing and lithographic inks. 425,694; Dec. 3; Serial No. 469,491; published Sept. 3, 1946. Class 11.
Bradley, Milton, Company, Springfield, Mass. Crayons. 220,289; renewed Nov. 9, 1946. O. G. Dec. 3. Class 37.
Bristol Manufacturing Corporation, Bristol, R. I. Footwear. 425,860; Dec. 3. Class 39.
Burrow Wholesale Grocer Co., Pocahontas, to J. C. Price, Jacksonville, Ark. Sirup for table purposes, coffee, and cocoa. 209,453; renewed Feb. 23, 1946. O. G. Dec. 3. Class 46.
Carnahan, William G., Blaine, Tenn. Packaged prepared food. 425,816; Dec. 3; Serial No. 497,591; published Sept. 10, 1946. Class 46.
Cease Commissary Service: *See*—
Cease, William W.
Cease, William W., doing business as Cease Commissary Service, Dunkirk, N. Y. Frozen pies. 425,873; Dec. 3. Class 46.
Celanese Corporation of America, New York, N. Y. Airplane and aircraft dopes, lacquers, automobile and furniture polishes, etc. 425,787; Dec. 3; Serial No. 495,862; published Sept. 17, 1946. Class 16.
Centennial Flouring Mills Company, Seattle, Wash. Breakfast cereals. 425,804; Dec. 3; Serial No. 496,500; published Sept. 17, 1946. Class 46.
Charvet & Fils, Inc., New York, N. Y. Neckties, outer shirts, sweaters, etc. 425,728–9; Dec. 3; Serial Nos. 488,188–9; published Sept. 10, 1946. Class 39.
Chemical Treatment Company Inc., assignor to Chromium Corporation of America, to Chromium Corporation of America, New York, N. Y. Small steel parts, steel sheets, brass sheets, etc. 222,067; renewed Dec. 21, 1946. O. G. Dec. 3. Class 14.
Cheney Brothers, Manchester, Conn. Neckties. 425,858–9; Dec. 3. Class 39.
Chromium Corporation of America, assignee: *See*—
Chemical Treatment Company Inc.
Clark Mile-End Spool Cotton Co., The, East Newark, to The Clark Thread Company, Newark, N. J. Cotton thread. 57,376; re-renewed Nov. 13, 1946. O. G. Dec. 3. Class 43.
Clark Thread Company, The: *See*—
Clark Mile-End Spool Cotton Co.
Clark Thread Company, The, Newark, N. J. Cotton thread, including spool-cotton, darning and crochet cotton. 57,777; re-renewed Nov. 27, 1946. O. G. Dec. 3. Class 43.
Clothes Horse Inc., The, Washington, D. C. Women's and misses' dresses, suits, coats, etc. 425,823; Dec. 3; Serial No. 498,115; published Aug. 27, 1946. Class 39.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Denture cleanser and soaps, etc. 425,760; Dec. 3; Serial No. 493,660; published Sept. 10, 1946. Class 4.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 425,800; Dec. 3; Serial No. 496,301; published Sept. 3, 1946. Class 4.
Colonial Chemical Corporation, Reading, Pa., to William Peterman, Inc., Newark, N. J. Hand sprayers. 214,863; renewed July 6, 1946. O. G. Sept. 3. Class 23.
Colonial Dames Company, Ltd., Los Angeles, Calif. Soap. 425,697; Dec. 3; Serial No. 474,654; published Sept. 10, 1946. Class 4.
Connor, W. B., Co. Inc., The, to W. B. Connor Engineering Corp., New York, N. Y. Steam traps. 211,648; renewed Apr. 13, 1946. O. G. Dec. 3. Class 13.
Connor, W. B., Engineering Corp.: *See*—
Connor, W. B., Co. Inc., The.
Cornelius Products Company, New York, N. Y. Synthetic wax. 425,814; Dec. 3; Serial No. 497,373; published Sept. 17, 1946. Class 1.
Cosmex Corp., New York, N. Y. Liquid preparation. 425,805; Dec. 3; Serial No. 496,543; published Sept. 10, 1946. Class 4.
Crandall Supply Company, Ashtabula, Ohio. Combination storm windows, screens, and doors. 425,877; Dec. 3. Class 12.
Crestwood Linen Company, New York, N. Y. Handkerchiefs. 425,778; Dec. 3; Serial No. 495,276; published Sept. 10, 1946. Class 39.
Criswell, John F., North Hollywood, Calif. Photographic films. 425,881; Dec. 3. Class 26.
Crown Overall Mfg. Co., The, Cincinnati, Ohio. Articles of apparel. 425,825; Dec. 3; Serial No. 498,272; published Sept. 10, 1946. Class 39.

Cryns Products, Inc., Chicago, Ill. Cake liner in grease form. 425,796; Dec. 3; Serial No. 496,204; published Sept. 17, 1946. Class 46.

Cryns Products, Inc., Chicago, Ill. Food for yeast. 425,797; Dec. 3; Serial No. 496,206; published Sept. 17, 1946. Class 46.

Cryns Products, Inc., Chicago, Ill. Rye yeast. 425,798; Dec. 3; Serial No. 496,208; published Sept. 17, 1946. Class 46.

Curtis, Helene, Industries: *See*—
National Mineral Company, The.

Curtis Lighting Incorporated, Chicago, Ill. Conduits, swivel joints, and continuous connecter joints therefor. 221,606; renewed Dec. 7, 1946. O. G. Dec. 3. Class 21.

Daisy Manufacturing Company, Plymouth, Mich. Toy guns and toy pistols. 425,791; Dec. 3; Serial No. 496,015; published Sept. 17, 1946. Class 22.

Darby, Harry, doing business as Harry Darby, Manufacturer, Kansas City, Kans. Steam boilers, metal boiler jackets, casings for heat exchangers, etc. 425,693; Dec. 3; Serial No. 465,738; published Sept. 10, 1946. Class 34.

Darby, Harry, Manufacturer: *See*—
Darby, Harry.

Davis Clothing Company, Boston, Mass. Military uniforms, industrial uniforms, and uniforms for persons engaged in professions. 425,698; Dec. 3; Serial No. 476,241; published Sept. 17, 1946. Class 39.

Davisville Hosiery Mill, Davisville, Pa. Hosiery. 425,708; Dec. 3; Serial No. 483,217; published Sept. 17, 1946. Class 39.

Demand Products Company: *See*—
Meyer, Harold A.

Disiek, Sol, & Company, New York, N. Y. Ladies' and misses' dresses. 425,889; Dec. 3. Class 39.

Dobson Hosiery Mills, Pulaski, Va. Hosiery for infants. 425,918; Dec. 3. Class 39.

Donnybrook Coat and Suit Co., New York, N. Y. Misses' and junior misses' coats, suits, jackets, etc. 425,770; Dec. 3; Serial No. 494,314; published Sept. 3, 1946. Class 39.

Duramold Aircraft Corporation, New York, N. Y. Aircraft fuel tanks. 425,738; Dec. 3; Serial No. 490,178; published Sept. 17, 1946. Class 2.

E-Z Mills, Inc.: *See*—
E.-Z. Waist Company.

E.-Z. Waist Company, to E-Z Mills, Inc., New York, N. Y. Union suits. 222,107; renewed Dec. 21, 1946. O. G. Dec. 3. Class 39.

Eastern Laboratories, Inc., New York, N. Y. Therapeutic lamps. 217,345; renewed Aug. 31, 1946. O. G. Dec. 3. Class 21.

Edison, Thomas A., Incorporated, West Orange, N. J. Finely divided and substantially pure metallic iron reduced by hydrogen, etc. 425,692; Dec. 3; Serial No. 464,537; published Sept. 10, 1946. Class 46.

Eileen-Joy Fashions, New York, N. Y., assignor to Eileen-Joy Fashions, Inc. Ladies' and misses' dresses, sun dresses, jackets, and suits. 425,917; Dec. 3. Class 39.

Eileen-Joy Fashions, Inc., assignee: *See*—
Eileen-Joy Fashions.

Elco Lamp & Shade Studio, New York, N. Y. Lamp shades. 425,850–1; Dec. 3; Serial Nos. 501,838–9; published Sept. 17, 1946. Class 34.

Electric Railway Improvement Company, The, Cleveland, Ohio. Metals, metal compounds and alloys, etc. 425,701; Dec. 3; Serial No. 478,041; published Sept. 10, 1946. Class 14.

Electric Service Manufacturing Co.: *See*—
Electric Service Supplies Company.

Electric Service Supplies Company, to Electric Service Manufacturing Co., Philadelphia, Pa. Lightning arresters. 215,212; renewed July 13, 1946. O. G. Dec. 3. Class 21.

Electronic and Television News Letter: *See*—
Horowitz, Irving.

Ems Brewing Co., East St. Louis, Ill. Beer. 425,867; Dec. 3. Class 48.

Evans, Emanuel E., Youngstown, Ohio. Toy banks. 425,750; Dec. 3; Serial No. 492,432; published Sept. 17, 1946. Class 22.

Eversole, Maclay & Co., Potosi, Mo. Ground barytes. 425,695; Dec. 3; Serial No. 470,020; published Sept. 10, 1946. Class 1.

Fairbank, N. K., Company, The, Chicago, Ill., to Lever Brothers Company, Cambridge, Mass. Washing-powder. 57,430; re-renewed Nov. 13, 1946. O. G. Dec. 3. Class 4.

Fairbanks, Morse & Co., Chicago, Ill. Weighing machines, scales, balances, etc. 425,696; Dec. 3; Serial No. 473,729; published Sept. 10, 1946. Class 26.

Farm Implement News Company, Chicago, Ill. Periodical publications. 425,899; Dec. 3. Class 38.

Federated Russian Orthodox Clubs, Bridgeport, Conn. Monthly magazine. 425,862; Dec. 3. Class 38.

Feinberg, Moe, and Moe Wiesen, New York, N. Y. Misses' dresses. 425,869; Dec. 3. Class 39.

Fingerhut, A. E., doing business as Sinesac Company, Cleveland, Ohio. Sweetening compound. 425,774; Dec. 3; Serial No. 494,743; published Sept. 17, 1946. Class 46.

Fischer, Albert C., doing business as Servicised Products Company, Chicago, Ill. Plywood; asphalt fiber boards and planks, etc. 425,691; Dec. 3; Serial No. 459,807; published Sept. 10, 1946. Class 12.

Fishmaster Sporting Goods Co., Quincy, Mass. Swivels used in fishing tackle. 425,843; Dec. 3; Serial No. 500,380; published Sept. 10, 1946. Class 22.

Flynn, John, & Sons, Inc., Salem, Mass. Leather. 425,897; Dec. 3. Class 1.

Follsain Metals Ltd., Lutterworth, near Rugby, England. Boilers and furnaces and parts thereof. 425,699; Dec. 3; Serial No. 477,602; published Sept. 10, 1946. Class 34.

Frantz Industries, doing business as Aero-Art, Los Angeles, Calif. Luggage stands, folding tray stands, serving carts, etc. 425,747; Dec. 3; Serial No. 491,820; published Sept. 10, 1946. Class 32.

Frozen Dough Products of America: *See*—
Berman, S. A.

Gardner, M. D., doing business as Arizona Dawn Ranch, Phoenix, Ariz. Fresh citrus fruit, fresh dates and grapes. 425,874; Dec. 3. Class 46.

Gastwirth, Louis, & Co., New York, N. Y. Children's and boys' suits, coats, and pants. 425,766; Dec. 3; Serial No. 494,056; published Sept. 10, 1946. Class 39.

Geller, Ward & Hasner Hdw. Co., to Shapleigh Hardware Company, St. Louis, Mo. Axes, auger-bits, files, saws, etc. Class 23.

General Aniline & Film Corporation, New York, N. Y. Printing and developing machines. 425,721; Dec. 3; Serial No. 487,252; published Sept. 10, 1946. Class 26.

General Fibre Products Co., Maspeth, N. Y. Plates, circles, and boards made of cardboard. 425,757; Dec. 3; Serial No. 493,116; published Sept. 17, 1946. Class 37.

Germain, John F., Brooklyn, N. Y. Paints and protective coatings. 425,806; Dec. 3; Serial No. 496,553; published Sept. 10, 1946. Class 16.

Germain Seed and Plant Co., Los Angeles, Calif. Grass seed. 425,736; Dec. 3; Serial No. 489,956; published Sept. 10, 1946. Class 1.

Gilbert-Harris Corp., South Norwalk, Conn., and New York, N. Y. Misses' and junior misses' coats, suits, coat and suit ensembles, etc. 425,923; Dec. 3. Class 39.

Goldberg, Garrett M., doing business as Garrett M. Goldberg Paint Company, San Francisco, Calif. Paints in dry, paste, and/or ready-mixed forms, and painters' materials. 425,751; Dec. 3; Serial No. 492,556; published Sept. 10, 1946. Class 16.

Goldberg, Garrett M., Paint Company: *See*—
Goldberg, Garrett M.

Goldstein, Herman F., Griffin, Ga. Women's brassières, slips, and panties. 425,898; Dec. 3. Class 39.

Goodfellow, Mary, New York, N. Y. Ladies' hats. 425,783; Dec. 3; Serial No. 495,665; published Sept. 10, 1946. Class 39.

Goodwin Brothers Automobile Company, New Castle, Ind., to Sinclair Refining Company, New York, N. Y. Gasoline. 216,588; renewed Aug. 17, 1946. O. G. Dec. 3. Class 15.

Gray, Gustave G., doing business as Manhattan Bath Robe Company, Montreal, Quebec, Canada. Bath robes, dressing gowns, house coats, etc. 425,700; Dec. 3; Serial No. 477,801; published Aug. 27, 1946. Class 39.

Gray-Mills Co., assignor to Gray-Mills Corporation, Evanston, Ill. Refrigerating apparatus. 425,719; Dec. 3; Serial No. 486,251; published Sept. 10, 1946. Class 31.

Gray-Mills Corporation, assignee: *See*—
Gray-Mills Co.

Griffin Manufacturing Co., Inc.: *See*—
Griffin M'f'g. Co., Inc.

Griffin M'f'g. Co., Inc., New York, to Griffin Manufacturing Co. Inc., Brooklyn, N. Y. Shoe dressing. 222,034; renewed Dec. 21, 1946. O. G. Dec. 3. Class 4.

Griffin M'f'g. Co., Inc., New York, to Griffin Manufacturing Co., Inc., Brooklyn, N. Y. Shoe dressing. 221,992; renewed Dec. 21, 1946. O. G. Dec. 3. Class 4.

H. G. Underwear Corporation, New York, N. Y., now by change of name Rhinette Inc. Underwear, panties, slips, etc. 425,779; Dec. 3; Serial No. 495,380; published Sept. 10, 1946. Class 39.

Haas Brothers, San Francisco, Calif. Canned fruits, canned vegetables, canned fruit juices, etc. 425,788; Dec. 3; Serial No. 495,882; published Sept. 10, 1946. Class 46.

Haft, Morris W., & Brothers Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 425,726; Dec. 3; Serial No. 488,034; published Sept. 17, 1946. Class 39.

Handi Company: *See*—
Pine, Sidney R.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 215,755; renewed July 27, 1946. O. G. Dec. 3. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 219,857; renewed Oct. 26, 1946. O. G. Dec. 3. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 220,759; renewed Nov. 16, 1946. O. G. Dec. 3. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 221,025; renewed Nov. 23, 1946. O. G. Dec. 3. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits and coats. 221,603; renewed Dec. 7, 1946. O. G. Dec. 3. Class 39.

Heide-Babe Products, Chicago, Ill. Nursing bottle supports. 425,884; Dec. 3. Class 44.

Helburn, Willard, Inc., Peabody, Mass. Leather. 425,792; Dec. 3; Serial No. 496,024; published Sept. 10, 1946. Class 1.

Hess Brothers, Allentown, Pa. Women's, misses', and children's coats, raincoats, dresses, etc. 425,920; Dec. 3. Class 39.

Hi-Line Co., Inc., New York, N. Y. Infants', children's, boys', girls', misses', and women's apparel. 425,820–1; Dec. 3; Serial Nos. 497,795–6; published Sept. 17, 1946. Class 39.

Hinde & Dauch Paper Company, The, Sandusky, Ohio. Laminated paper wrapping material. 425,781; Dec. 3; Serial No. 495,473; published Sept. 17, 1946. Class 37.

Hollywood Doll Manufacturing Company: *See*—
Ippolito, Domenick.

Holophane Company, Inc., New York, N. Y. Glass, plastic, and combinations of metal and glass and/or plastic refractors and reflectors. 425,847; Dec. 3; Serial No. 500,881; published Sept. 17, 1946. Class 34.

Honig, Jack L., Inc., New York, N. Y. Children's and misses' dresses. 425,830; Dec. 3; Serial No. 498,632; published Sept. 17, 1946. Class 39.

Horner Juniors, New York, N. Y. Women's, misses', and junior dresses and blouses. 425,915; Dec. 3. Class 39.

Horowitz, Irving, doing business under the name Electronic and Television News Letter, New York, N. Y. Weekly publication. 425,871; Dec. 3. Class 38.

Hough Packed Produce: *See*—
Hough, T. E.

Hough, T. E., doing business as Hough Packed Produce, Harlingen, Tex. Fresh vegetables. 425,827; Dec. 3; Serial No. 498,419; published Sept. 10, 1946. Class 46.

Hunt, Rodney, Machine Company, Orange, Mass. Wood rolls. 219,916; renewed Oct. 26, 1946. O. G. Dec. 3. Class 23.

Ingber & Company, Philadelphia, Pa. Ladies' handbags. 425,749; Dec. 3; Serial No. 492,200; published Sept. 17, 1946. Class 3.

Interchemical Corporation: *See*—
Ault & Wiborg Co., The.
Murphy Varnish Company.

International Nickel Company, Constable Hook, N. J., to The International Nickel Company, Inc., New York, N. Y. Metal alloy containing nickel and copper. 58,191; renewed Dec. 11, 1946. O. G. Dec. 3. Class 14.

International Nickel Company, Constable Hook, N. J., to The International Nickel Company, Inc., New York, N. Y. Culinary vessels. 58,444; re-renewed Dec. 18, 1946. O. G. Dec. 3. Class 13.

International Nickel Company, Inc., The: *See*—
International Nickel Company.

International Nickel Company, Inc., The, New York, N. Y. Pot cleaners made of metal textile. 425,775; Dec. 3; Serial No. 494,791; published Sept. 3, 1946. Class 4.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls and dolls' clothes. 425,857; Dec. 3; Serial No. 504,838; published Sept. 17, 1946. Class 22.

Isenberg, Casele L., doing business as Standard Fish Co., Boston, Mass. Fresh and frozen fish. 425,865; Dec. 3. Class 46.

Ismert-Hincke Milling Company, The: *See*—
Ismert-Hincke Milling Company.

Ismert-Hincke Milling Company, Kansas City, Kans., and Kansas City, Mo., to The Ismert-Hincke Milling Company, Kansas City, Mo. Wheat flour. 216,183; renewed Aug. 3, 1946. O. G. Dec. 3. Class 46.

John-Massey Hosiery Company: *See*—
Williams, Erwin M.

Johnson & Johnson, New Brunswick, N. J. Dental absorbents. 55,208; re-renewed Aug. 7, 1946. O. G. Dec. 3. Class 44.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 56,288; re-renewed Sept. 4, 1946. O. G. Dec. 3. Class 44.

Johnson & Johnson, New Brunswick, N. J. Dressing for burns, scalds, and sunburn, and like uses. 218,500; renewed Sept. 28, 1946. O. G. Dec. 3. Class 6.

Jolo Merchandise Company Inc., New York, N. Y. Waterproof capes, aprons, raincaps, etc. 425,702; Dec. 3; Serial No. 479,799; published Sept. 17, 1946. Class 39.

Jonthay, New York, N. Y. Toy jack-in-the-boxes and dolls. 425,707; Dec. 3; Serial No. 482,629; published Sept. 10, 1946. Class 22.

Josie Lingerie, a Corporation, New York, N. Y. Certain articles of clothing for women and girls. 425,831; Dec. 3; Serial No. 498,634; published Sept. 3, 1946. Class 39.

Judith Ann Knitwear Co.: *See*—
Katz, Milton.

Juliette Frocks: *See*—
Rothbart, Sam.

Juliette Frocks, Inc., assignee: *See*—
Rothbart, Sam.

Junior Bridge Co.: *See*—
Kantor, Norman E.

K. C. Boyswear Mfg. Co., Kansas City, Mo. Boys' outer clothing. 425,809; Dec. 3; Serial No. 496,844; published Sept. 10, 1946. Class 39.

Kantor, Norman E., doing business as Junior Bridge Co., New York, N. Y. Cigarette servers. 425,900; Dec. 3. Class 8.

Katz, Milton, doing business as Judith Ann Knitwear Co., Brooklyn, N. Y. Women's, girls', and children's sweaters. 425,832; Dec. 3; Serial No. 498,703; published Sept. 10, 1946. Class 39.

Kelite Products, Inc., doing business as Kenu Products Company, Los Angeles, Calif. Cleaning and washing powder. 425,773; Dec. 3; Serial No. 494,451; published Sept. 10, 1946. Class 4.

Kenu Products Company: *See*—
Kelite Products, Inc.

Kinkead Industries Incorporated, Chicago, Ill. Metal and plastic mouldings. 425,811; Dec. 3; Serial No. 497,027; published Sept. 10, 1946. Class 12.

Klein, Joseph M., New York, N. Y. Men's overcoats and topcoats, and suits. 425,817–18; Dec. 3; Serial Nos. 497,721–2; published Sept. 10, 1946. Class 39.

Klopfer, Henrietta, Toms River, N. J. Brassières, corsets, corset waists, etc. 425,777; Dec. 3; Serial No. 495,244; published Sept. 10, 1946. Class 39.

Knomark Manufacturing Co., New York, N. Y. Dressing, cleaner, and polish for shoes, boots, and leather goods, etc. 425,794; Dec. 3; Serial No. 496,147; published Sept. 10, 1946. Class 4.

Kolbert, Harold, & Co., Inc., New York, N. Y. Misses' and junior misses' coats, suits, coat and suit ensembles, etc. 425,924; Dec. 3. Class 39.

Kraft Foods Company, Chicago, Ill. Dried whey. 425,840; Dec. 3; Serial No. 499,632; published Sept. 17, 1946. Class 46.

Kraft Foods Company, Chicago, Ill. Stabilizing material for use in soups, etc. 425,841; Dec. 3; Serial No. 499,638; published Sept. 17, 1946. Class 46.

La Salle Neckwear Co.: *See*—
Blumenfield, Lewis.

Lash, Rose, New York, N. Y. Women's, misses', and girls' blouses, bathing suits, dresses, etc. 425,904; Dec. 3. Class 39.

Leavitt, Robert, Brooklyn, N. Y. Men's uniforms. 425,861; Dec. 3. Class 39.

Lee Growers Cooperative, Tampa, Fla. Canned citrus juices. 425,767; Dec. 3; Serial No. 494,084; published Sept. 10, 1946. Class 46.

Lehman Bros. Corp., Jersey City, N. J. Floor, porch, and deck paint enamels. 425,768; Dec. 3; Serial No. 494,221; published Sept. 17, 1946. Class 16.

Lehman Bros. Corp., Jersey City, N. J. Ready-mixed paints. 425,769; Dec. 3; Serial No. 494,222; published Sept. 17, 1946. Class 16.

Lever Brothers Company: *See*—
Fairbank, N. K., Company, The.

Lever Brothers Company, Cambridge, Mass. Soap. 57,369; re-renewed Nov. 13, 1946. O. G. Dec. 3. Class 4.

Lever Brothers Company, Cambridge, Mass. Soap. 57,399; re-renewed Nov. 13, 1946. O. G. Dec. 3. Class 4.

Lever Brothers Company, Cambridge, Mass. Soap. 57,536; re-renewed Nov. 13, 1946. O. G. Dec. 3. Class 4.

Lever Brothers Company, Cambridge, Mass. Soap. 221,813; renewed Dec. 14, 1946. O. G. Dec. 3. Class 4.

Lever Brothers Company, Portland, Maine, and Cambridge, Mass., to Lever Brothers Company, Cambridge, Mass. Soap. 57,713; re-renewed Nov. 27, 1946. O. G. Dec. 3. Class 4.

Lever Brothers Company, Portland, Maine, and Cambridge, Mass., to Lever Brothers Company, Cambridge, Mass. Soap. 58,464–5; re-renewed Dec. 18, 1946. O. G. Dec. 3. Class 4.

Lewis, J. B., & Sons Limited, Nottingham, England. Piece goods made of cotton, natural silk, wool, etc. 425,727; Dec. 3; Serial No. 488,109; published Sept. 17, 1946. Class 42.

Linda Dress Manufacturing Corporation, Boston, Mass. Dresses, blouses, skirts, etc., for women, misses, juniors, and children. 425,906; Dec. 3. Class 39.

Lowenbaum, R., Manufacturing Company, St. Louis, Mo. Misses' and juniors' dresses. 425,914; Dec. 3. Class 39.

Lucky "11" Sandwich System, St. Joseph, Mo. Sandwiches. 425,748; Dec. 3; Serial No. 491,859; published Sept. 10, 1946. Class 46.

Magic Nut Shop, The, Los Angeles, Calif. Macaroni shells. 425,752; Dec. 3; Serial No. 492,636; published Sept. 17, 1946. Class 46.

Manette Company, Minneapolis, Minn. Writing paper and envelopes. 425,909; Dec. 3. Class 37.

Manhattan Bath Robe Company: *See*—
Gray, Gustave G.

Marechal Ruchon & Co., Limited, London, England. Tobacco pipes, cigar and cigarette holders. 213,573; renewed June 1, 1946. O. G. Dec. 3. Class 8.

Marine Stamping Company, Brooklyn, N. Y. Metal wall clips. 425,876; Dec. 3. Class 12.

Marjo: *See*—
Marjo Novelties Co.

Marjo Novelties Co., also doing business as Marjo, New York, N. Y. Slippers. 425,910; Dec. 3. Class 39.

Marvel Products, Inc., New York, N. Y. Mucilage and adhesive paste. 425,761; Dec. 3; Serial No. 493,793; published Sept. 17, 1946. Class 5.

Marvel Products, Inc., New York, N. Y. Writing inks, drawing inks, stamp pad inks, etc. 425,762; Dec. 3; Serial No. 493,794; published Sept. 10, 1946. Class 11.

Massillon-Cleveland-Akron Sign Company, The, Massillon, Ohio. Advertising signs which are printed, lithographed, painted, etc. 219,091; renewed Oct. 12, 1946. O. G. Dec. 3. Class 38.

Master Builders Company, The, Cleveland, Ohio. Composition including a water soluble plasticizing agent. 425,844; Dec. 3; Serial No. 500,551; published Sept. 17, 1946. Class 12.

Master Industries, Inc., New York, N. Y. Ice cream freezer. 425,855; Dec. 3; Serial No. 503,305; published Sept. 17, 1946. Class 31.

Master Industries, Inc., New York, N. Y. Ice cream freezer. 425,853; Dec. 3; Serial No. 502,385; published Sept. 10, 1946. Class 31.

Maternicraft Dress Co.: *See*—
Trussel, Stanley I.

McDougall, Alice M., Birmingham, Mich. Rain capes. 425,879; Dec. 3. Class 39.

McKnight, Laurence J., Cleveland, Ohio. Adjustable load bearing metal posts, columns, and stanchions, etc. 425,808; Dec. 3; Serial No. 496,722; published Sept. 10, 1946. Class 12.

McNab of Bridgeport, Inc., Bridgeport, Conn. Toys. 425,746; Dec. 3; Serial No. 491,721; published Sept. 10, 1946. Class 22.

Metzger, Owen W.: *See*—
Smith-Briscoe Shoe Company Inc.

Meyer, Harold A., doing business as Demand Products Company, San Francisco, Calif. Cleaning fluid. 425,802; Dec. 3; Serial No. 496,389; published Sept. 10, 1946. Class 4.

Meyer, Horace J., doing business as Blossom Acres Ranch, Paso Robles, Calif. Nut candies. 425,828; Dec. 3; Serial No. 498,434; published Sept. 17, 1946. Class 46.

Middendorf Brothers, Philadelphia, Pa. Women's nightgowns, slips, pajamas, etc. 425,921; Dec. 3. Class 39.

Mitchell & Weber, Inc., New York, N. Y. Ladies' and misses' blouses, dresses, housecoats, etc. 425,866; Dec. 3. Class 39.

Monk, Carl, New York, N. Y. Children's dresses and blouses. 425,890; Dec. 3. Class 39.

Multi Products, Incorporated, Chicago, Ill. Wall brackets and book ends. 425,731; Dec. 3; Serial No. 488,606; published Sept. 10, 1946. Class 32.

Mundle Manufacturing Company, The, Aurora, Ill. Stock tank heaters. 425,842; Dec. 3; Serial No. 499,727; published Sept. 10, 1946. Class 34.

Munson, Whitney K., doing business as Ranger Products Company, East Orange, N. J. Non-smear stamp pads and non-smear ink. 425,723; Dec. 3; Serial No. 487,688; published Sept. 10, 1946. Class 11.

Murphy Varnish Company, Newark, N. J., to Interchemical Corporation, New York, N. Y. Varnishes and priming. 58,497; re-renewed Dec. 18, 1946. O. G. Dec. 3. Class 16.

Mutchler, E. J., Sinton, Tex. Fresh vegetables. 425,756; Dec. 3; Serial No. 492,849; published Sept. 17, 1946. Class 46.

Myers, Israel, Baltimore, Md. Men's and youths' clothing, suits, coats, etc. 425,903; Dec. 3. Class 39.

Nahan, Jack, Los Angeles, Calif. Shoes. 425,782; Dec. 3; Serial No. 495,494; published Sept. 10, 1946. Class 39.

National Industries, Inc.: *See*—
National Mineral Company, The.

National League of Wholesale Fresh Fruit and Vegetable Distributors, Washington, D. C. Publication. 425,895; Dec. 3. Class 38.

National Mineral Company, The, also doing business as Helene Curtis Industries, Chicago, Ill., now by change of name to National Industries, Inc. Permanent hair waving supplies. 425,887; Dec. 3. Class 6.

National Pencil Company, Shelbyville, Tenn. Woodcased lead pencils. 425,759; Dec. 3; Serial No. 493,450; published Sept. 17, 1946. Class 37.

National Pencil Company, Shelbyville, Tenn. Pencils, leads, erasers, etc. 425,771–2; Dec. 3; Serial Nos. 494,352–3; published Sept. 17, 1946. Class 37.

New Rexbilt Leather Goods Corporation, New York, N. Y. Leather goods. 425,848–9; Dec. 3; Serial Nos. 501,192–3; published Sept. 17, 1946. Class 3.

New York Merchandise Co., Inc., New York, N. Y. Hair nets. 425,735; Dec. 3; Serial No. 489,880; published Sept. 10, 1946. Class 39.

North Shore Manufacturing Company, Duluth, Minn. Children's play clothes. 425,829; Dec. 3; Serial No. 498,441; published Sept. 10, 1946. Class 39.

O'Donnell Shoe Corporation, Humboldt, Tenn. Footwear. 425,872; Dec. 3. Class 39.

Oldtmann, Charles J., New York, N. Y. Food flavors, food essences, and foot extracts, etc. 425,868; Dec. 3. Class 46.

Okonite Company, The: *See*—
Okonite Company, Limited, The.

Okonite Company, Limited, The, New York, N. Y., to The Okonite Company, Passaic, N. J. Adhesive tape. 53,523; re-renewed June 5, 1946. O. G. Dec. 3. Classes 5 and 21.

Old Dominion Paper Company, The, Norfolk, Va. Tablets, composition books, and school paper. 219,984; renewed Oct. 26, 1946. O. G. Dec. 3. Class 37.

Omaha Welding Company, Omaha, Nebr. Welding rods. 425,704; Dec. 3; Serial No. 481,336; published Aug. 27, 1946. Class 14.

Oppenheimer, A., & Co., to Oppenheimer Pipes Limited, London, England. Tobacco pipes. 214,666; renewed June 29, 1946. O. G. Dec. 3. Class 8.

Oppenheimer Pipes Limited: *See*—
Oppenheimer, A., & Co.

Oregon Fruit Products Co., Salem, Oreg. Canned fruits, fruit preserves, and fruit jams. 425,863; Dec. 3. Class 46.

Pabst Brewing Company, Milwaukee, Wis., to Pabst Brewing Company, Chicago, Ill. Beer. 55,858; re-renewed Aug. 21, 1946. O. G. Dec. 3. Class 48.

Pabst Brewing Company, Milwaukee, Wis., to Pabst Brewing Company, Chicago, Ill. Beer. 57,226; re-renewed Nov. 6, 1946. O. G. Dec. 3. Class 48.

Pabst Brewing Company, Milwaukee, Wis., to Pabst Brewing Company, Chicago, Ill. Beer. 57,999; re-renewed Dec. 4, 1946. O. G. Dec. 3. Class 48.

Pagano, R., Sons, Inc., Brooklyn, N. Y. Dressers, beds, divans, etc. 425,902; Dec. 3. Class 32.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Semi-liquid roof coating products. 425,875; Dec. 3. Class 12.

Paris Company, The, Salt Lake City, Utah. Corsets and hosiery. 221,672; renewed Dec. 7, 1946. O. G. Dec. 3. Class 39.

Parker Pen Company, The, Janesville, Wis. Writing ink. 425,730; Dec. 3; Serial No. 488,474; published Sept. 3, 1946. Class 11.

Parrott & Co., Los Angeles, Calif. Canned clams. 425,880; Dec. 3. Class 46.

Patch, E. L., Company, The, Stoneham, Mass. Cough sirup. 220,810; renewed Nov. 16, 1946. O. G. Dec. 3. Class 6.

Peck & Mack Co., New York, N. Y. Auger bits, carpenters' bit braces, hack saws, etc. 222,008; renewed Dec. 21, 1946. O. G. Dec. 3. Class 23.

Pellenberg, Isidore, New York, N. Y. Vegetable oil for food purposes, olives, condiments, food flavoring, table sauces, etc. 425,801; Dec. 3; Serial No. 496,330; published Sept. 10, 1946. Class 46.

Pemberton Products Company, Irvington, N. J. Soap powder. 425,742; Dec. 3; Serial No. 491,427; published Sept. 3, 1946. Class 4.

Peninsular Cigar Co., Tampa, Fla. Cigars. 425,799; Dec. 3; Serial No. 496,266; published Sept. 10, 1946. Class 17.

Peterman, William, New York, N. Y., to William Peterman, Inc., Newark, N. J. Insecticides. 56,401; re-renewed Sept. 18, 1946. O. G. Dec. 3. Class 6.

Peterman, William, Inc.: *See*—
Colonial Chemical Corporation.
Peterman, William.

Peter Pan Manufacturing Co., Boston, Mass. Infants' and children's overalls, coveralls, "crawlers," and playsuits. 425,907; Dec. 3. Class 39.

Pfuhl, Charles H., Ramsey, N. J. Girls' and women's dresses, and combination blouse-slips, etc. 425,807; Dec. 3; Serial No. 496,566; published Sept. 17, 1946. Class 39.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo., to Sinclair Refining Company, New York, N. Y. Petroleum products. 216,601; renewed Aug. 17, 1946. O. G. Dec. 3. Class 15.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo., to Sinclair Refining Company, New York, N. Y. Petroleum products, particularly lubricating oils. 219,847; renewed Oct. 26, 1946. O. G. Dec. 3. Class 15.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo., to Sinclair Refining Company, New York, N. Y. Lubricating oils and greases and gasoline. 221,353; renewed Nov. 30, 1946. O. G. Dec. 3. Class 15.

Pine, Sidney R., doing business as Handi Company, Newark, N. J. Plastic clothespins. 425,908; Dec. 3. Class 24.

Pinkerton, S.: *See*—
Pinkerton, Sherwood M.

Pinkerton, Sherwood M., doing business as S. Pinkerton, Toledo, Ohio. Food for roses and plants. 425,795; Dec. 3; Serial No. 496,152; published Sept. 3, 1946. Class 10.

Pioneer Rubber Mills, San Francisco, Calif. Rubber and canvas belting hose, and packing. 220,749; renewed Nov. 16, 1946. O. G. Dec. 3. Class 35.

Plasticform Co.: *See*—
Sawicki, Sophie C.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Women's hats, dresses, coats, etc. 425,911; Dec. 3. Class 39.

Poly-Bloom Co., The, Brooklyn, N. Y. Concentrated plant food and fertilizer. 425,705; Dec. 3; Serial No. 428,117; published Sept. 10, 1946. Class 10.

Pratt & Whitney Aircraft Company, The, Hartford, to United Aircraft Corporation, East Hartford, Conn. Internal-combustion engines and their parts. 220,868; renewed Nov. 16, 1946. O. G. Dec. 3. Class 23.

Price, J. C.: *See*—
Burrow Wholesale Grocer Co.

Procter & Gamble Company, The, Cincinnati, Ohio. Toilet and bath soap. 222,564; renewed Jan. 4, 1947; O. G. Dec. 3. Class 4.

Quaker Oats Company, The, Chicago, Ill. Dog food. 425,833; Dec. 3; Serial No. 498,713; published Sept. 10, 1946. Class 46.

Ramsey Laboratories, Cleveland, Ohio. Hot chocolate dairy fudge, topping for ice cream or food, chocolate marshmallow base, etc. 425,870; Dec. 3. Class 46.

Ranger Products Company: *See*—
Munson, Whitney K.

Rayon Processing Co. of R. I. Inc., Central Falls, R. I., and elsewhere. Finely cut or comminuted metals. 425,753; Dec. 3; Serial No. 492,663; published Sept. 17, 1946. Class 1.

Reeves Brothers, Inc., New York, N. Y. Men's sport jackets, swim trunks, slacks, work pants, and rain coats. 425,734; Dec. 3; Serial No. 489,762; published Apr. 30, 1946. Class 39.

Reiss-Premier Corporation, The, West New York, N. J. Smokers' pipes, cigar and cigarette holders. 425,758; Dec. 3; Serial No. 493,401; published Sept. 17, 1946. Class 8.

Rhine Undergarment Company, New York, N. Y. Ladies' and children's panties, polo shirts, slips, etc. 425,793; Dec. 3; Serial No. 496,103; published Sept. 3, 1946. Class 39.

Rhinette Inc.: *See*—
H. G. Underwear Corporation.

Rice Growers Association of California, Sacramento, Calif. Rice. 425,784–5; Dec. 3; Serial Nos. 495,694–5; published Sept. 10, 1946. Class 46.

Rite-Rite Mfg. Co., Downers Grove, Ill. Mechanical pencils. 425,815; Dec. 3; Serial No. 497,413; published Sept. 17, 1946. Class 37.

River Raisin Paper Company, Monroe, Mich. Corrugated and solid fibre shipping cases and cartons. 425,725; Dec. 3; Serial No. 487,740; published Sept. 10, 1946. Class 2.

Rohloff, Harry, & Company: *See*—
Rohloff, Harry H.

Rohloff, Harry H., doing business as Harry Rohloff & Company, Los Angeles, Calif. Chemical stains. 425,715; Dec. 3; Serial No. 483,742; published Feb. 5, 1946. Class 16.

Roth, Chester H., Co., Inc., New York, N. Y. Ladies' hosiery. 425,776; Dec. 3; Serial No. 495,193; published Sept. 10, 1946. Class 39.

Rothbart, Sam, doing business as Juliette Frocks, assignor to Juliette Frocks, Inc., Chicago, Ill. Ladies' dresses. 425,720; Dec. 3; Serial No. 486,388; published Sept. 3, 1946. Class 39.

Royal Typewriter Co., Hoboken, N. J., to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machines. 61,674; re-renewed Apr. 2, 1947. O. G. Dec. 3. Class 23.

Royal Typewriter Company, Inc.: *See*—
Royal Typewriter Co.

Sacks, H. & L., New York, N. Y. Children's and misses' dresses. 425,755; Dec. 3; Serial No. 492,740; published May 7, 1946. Class 39.

San Antonio Portland Cement Co., San Antonio, Tex. Portland cement. 425,845; Dec. 3; Serial No. 500,703; published Sept. 17, 1946. Class 12.

San Francisco Sulphur Company, The, to Stauffer Chemical Company, San Francisco, Calif. Flowers of sulfur. 58,091; re-renewed Dec. 4, 1946. O. G. Dec. 3. Class 6.

San Francisco Sulphur Company, The, to Stauffer Chemical Company, San Francisco, Calif. Sulfur. 58,092; re-renewed Dec. 4, 1946. O. G. Dec. 3. Class 6.

Sani-Mode Mfg. Co., assignor to Sani-Mode Mfg. Co., Chicago, Ill. Window drapes, bed spreads, mattress covers, etc. 425,717; Dec. 3; Serial No. 485,798; published Sept. 17, 1946. Class 42.

Saturday Review Associates, Inc., The, New York, N. Y. Magazine. 425,922; Dec. 3. Class 38.

Sawicki, Sophie C., doing business as Plasticform Co., Brooklyn, N. Y. Doll carriages. 425,856; Dec. 3; Serial No. 504,214; published Sept. 17, 1946. Class 22.

Schieren, Chas. A., Company, New York, N. Y. Shoe soles. 222,109; renewed Dec. 21, 1946. O. G. Dec. 3. Class 39.

Scientific Anglers, Inc., Midland, Mich. Fishing rod cases. 425,836; Dec. 3; Serial No. 499,080; published Sept. 17, 1946. Class 22.

Scripto Manufacturing Company, Atlanta, Ga. Mechanical pencils, pencil leads, and erasers. 425,813; Dec. 3; Serial No. 497,274; published Sept. 17, 1946. Class 37.

Servicised Products Company: *See*—
Fischer, Albert C.

Shapleigh Hardware Company: *See*—
Geller, Ward & Hasner Hdw. Co.
Simmons Hardware Company.

Shefford Cheese Company, Inc., Green Bay, Wis. Cheese food mixture. 425,834; Dec. 3; Serial No. 498,804; published Sept. 10, 1946. Class 46.

Sherman Paper Products Corporation, Newton, Mass. Paper. 425,703; Dec. 3; Serial No. 479,954; published Sept. 10, 1946. Class 2.

Shrode-Nelson Produce Co., Goleta, Calif. Fresh vegetables. 425,901; Dec. 3. Class 46.

Shryock, Woodrow W., doing business as Shryock's Jewelers, Malvern, Ark. Jewelry for personal wear, not including watches, silverware, and cigaretts cases. 425,896; Dec. 3. Class 28.

Shryock's Jewelers: *See*—
Shryock, Woodrow W.

Simmons Hardware Company, to Shapleigh Hardware Company, St. Louis, Mo. Mincing-knives, choppers, cleavers, etc. 58,234; re-renewed Dec. 11, 1946. O. G. Dec. 3. Class 23.

Sinclair Refining Company: *See*—
Goodwin Brothers Automobile Company.
Pierce Petroleum Corporation.

Sinclair Refining Company, New York, N. Y. Gasoline. 216,196; renewed Aug. 3, 1946. O. G. Dec. 3. Class 15.

Sinclair Refining Company, New York, N. Y. Gasoline. 216,380; renewed Aug. 10, 1946. O. G. Dec. 3. Class 15.

Sinesac Company: *See*—
Fingerhut, A. E.

Sitroux Inc., New York, N. Y. Hair nets. 425,835; Dec. 3; Serial No. 499,020; published Sept. 10, 1946. Class 39.

Sleepwear, Inc., New York, N. Y. Pajamas and nightshirts. 425,838; Dec. 3; Serial No. 499,439; published Sept. 17, 1946. Class 39.

Smith, A. O., Corporation, Milwaukee, Wis. Automatic stokers and parts thereof. 425,854; Dec. 3; Serial No. 503,014; published Sept. 17, 1946. Class 34.

Smith-Briscoe Shoe Company Inc., Lynchburg, Va., to Owen W. Metzger, doing business as Wetherhold & Metzger, Allentown, Pa. Leather shoes. 57,404; re-renewed Nov. 13, 1946. O. G. Dec. 3. Class 39.

Smith-Briscoe Shoe Company Inc., Lynchburg, Va., to Owen W. Metzger, doing business as Wetherhold & Metzger, Allentown, Pa. Women's leather shoes. 57,630; re-renewed Nov. 20, 1946. O. G. Dec. 3. Class 39.

Smith, L. C., Gun Company, Incorporated, The, Fulton, N. Y. Guns and parts thereof. 425,905; Dec. 3. Class 9.

Somersville Mf'g. Company, Somersville, Conn. Wool piece goods. 425,743; Dec. 3; Serial No. 491,520; published Sept. 17, 1946. Class 42.

Spiegl, E. H., doing business as Spiegl Foods Company, Salinas, Calif. Frozen fresh deciduous fruits and vegetables. 425,885; Dec. 3. Class 46.

Spiegl Foods Company: *See*—
Spiegl, E. H.

Standard Fish Co.: *See*—
Isenberg, Casele L.

Standard Milling Company, New York, N. Y., assignor to Standard Milling Company, Chicago, Ill. Wheat flour. 425,786; Dec. 3; Serial No. 495,840; published Sept. 10, 1946. Class 46.

Stauffer Chemical Company: *See*—
San Francisco Sulphur Company, The.

Stedfast Rubber Co., Inc., Mattapan, Mass. Rubberized hospital sheeting. 425,852; Dec. 3; Serial No. 502,166; published Sept. 17, 1946. Class 44.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Draperies and curtains. 425,722; Dec. 3; Serial No. 487,578; published Sept. 17, 1946. Class 42.

Strand Castle Company, Lynwood, Calif. Glaze in liquid and paste form. 425,744; Dec. 3; Serial No. 491,522; published Sept. 10, 1946. Class 16.

Syracuse Ornamental Co., New York, N. Y. Furniture carvings, mouldings, and legs, etc. 425,741; Dec. 3; Serial No. 490,981; published Sept. 10, 1946. Class 32.

Taylor-Graves, Inc., Saybrook, Conn. Child-propelled toy rolling strollers, etc. 425,739; Dec. 3; Serial No. 490,407; published Sept. 10, 1946. Class 22.

"Teddy Boy" Manufacturing Company: *See*—
Tedoff, Samuel R.

Tedoff, Samuel R., doing business as "Teddy Boy" Manufacturing Company, Brooklyn, N. Y. Boys' suits; boys', girls' and misses' overalls, shorts, etc. 425,732; Dec. 3; Serial No. 489,153; published Aug. 27, 1946. Class 39.

Thompson Bros. Shoe Co., Brockton, Mass. Men's shoes. 221,383; renewed Nov. 30, 1946. O. G. Dec. 3. Class 39.

Three Ribbons Packing Company, Mountain View, Calif. Canned spaghetti, canned dinner of egg noodles, chicken broth, etc. 425,780; Dec. 3; Serial No. 495,422; published Sept. 17, 1946. Class 46.

Trussel, Stanley I., doing business as Maternicraft Dress Co., New York, N. Y. Maternity dresses. 425,810; Dec. 3; Serial No. 496,935; published Aug. 27, 1946. Class 39.

Tu-Way Chemical Company, Astoria, N. Y. Furniture polish. 425,916; Dec. 3. Class 16.

Unacal Products, Incorporated, assignor, by mesne assignments, to Union Oil Company of California, Los Angeles, Calif. Liquid glass cleaner. 425,689; Dec. 3; Serial No. 446,377; published May 8, 1945. Class 4.

Union Oil Company of California: *See*—
Unacal Products, Incorporated.
Unique Art Manufacturing Company, Inc., Newark, N. J. Telephone indexes (blank). 425,754; Dec. 3; Serial No. 492,668; published Sept. 17, 1946. Class 37.
United Aircraft Corporation: *See*—
Pratt & Whitney Aircraft Company, The.
Universal Brassiere and Justrite Corset Co. Inc., New York, N. Y. Girdles, pantie girdles, and corsets. 425,718; Dec. 3; Serial No. 485,931; published Sept. 10, 1946. Class 39.
Valley Fruit Distributors, Victor, Calif. Fresh grapes. 425,812; Dec. 3; Serial No. 497,218; published Sept. 10, 1946. Class 46.
Van Camp Hardware & Iron Co., Indianapolis, Ind. Lacquers. 215,984; renewed Aug. 3, 1946. O. G. Dec. 3. Class 16.
Van Camp Hardware & Iron Co., Indianapolis, Ind. Liquid spray used as an insecticide and germicide. 219,670; renewed Oct. 19, 1946. O. G. Dec. 3. Class 6.
Varden Dress Co., New York, N. Y., assignor to Varden Dress, Inc. Misses' petite dresses. 425,892–3; Dec. 3. Class 39.
Varden Dress, Inc., assignee: *See*—
Varden Dress Co.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. 425,709; Dec. 3; Serial No. 483,390; published Sept. 17, 1946. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. 425,710; Dec. 3; Serial No. 483,395; published Sept. 17, 1946. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. 425,711–12; Dec. 3; Serial Nos. 483,397–8; published Sept. 17, 1946. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods of synthetic and natural fibres. 425,713; Dec. 3; Serial No. 483,400; published Sept. 17, 1946. Class 42.
Verney Fabrics Corporation, New York, N. Y. Piece goods. 425,864; Dec. 3. Class 42.
Vernon, S. E. & M., Inc., New York, N. Y. Writing papers. 55,361; re-renewed Aug. 14, 1946. O. G. Dec. 3. Class 37.
Vernon, S. E. & M., Inc., New York, N. Y. Blank books comprising account books, memorandum books, composition books, etc. 218,636; renewed Sept. 28, 1946. O. G. Dec. 3. Class 37.
Vincent-McCall Company, The, Kenosha, Wis. Mattresses. 425,789–90; Dec. 3; Serial Nos. 495,920–1; published Sept. 17, 1946. Class 32.
Virol, Limited, London, England. Food preparation of bone-marrow and malt. 54,216; re-renewed June 19, 1946. O. G. Dec. 3. Class 46.
Weiss, Arthur, & Company, Chicago, Ill. Misses' dresses. 425,878; Dec. 3. Class 39.
Wells, Edward C., doing business as Wells Publishing Company, Jersey City, N. J. Books and booklets. 425,913; Dec. 3. Class 38.
Wells Publishing Company: *See*—
Wells, Edward C.
Westerfield Pharmacal Co., Inc., Dayton, Ohio. Chemical test sets. 425,894; Dec. 3. Class 44.
Wetherhold & Metzger: *See*—
Smith-Briscoe Shoe Company Inc.
Wiesen, Moe: *See*—
Feinberg, Moe, and Wiesen.
Williams, Arthur A., Holliston, Mass. Periodical publications. 222,023; renewed Dec. 21, 1946. O. G. Dec. 3. Class 38.
Williams, Erwin M., doing business as John-Massey Hosiery Company, Valdese, N. C. Children's hosiery. 425,888; Dec. 3. Class 39.
Wilster, Inc., Cleveland, Ohio. Electric fans and ventilating grilles. 425,824; Dec. 3; Serial No. 498,193; published Sept. 17, 1946. Class 34.
Wohl, L. & Company, New York, N. Y. Children's dresses, blouses, and skirts. 425,724; Dec. 3; Serial No. 487,695; published Sept. 3, 1946. Class 39.
Wood Commodities Corporation, New York, N. Y. Educational peg game. 425,740; Dec. 3; Serial No. 490,912; published Sept. 17, 1946. Class 22.
Wood Commodities Corporation, New York, N. Y. Metal based rocking horses. 425,891; Dec. 3. Class 22.
Worthman, Irving, Brooklyn, N. Y. Facial tissue. 425,714; Dec. 3; Serial No. 483,407; published Sept. 17, 1946. Class 37.
Yucaipa Farmers Cooperative: *See*—
Yucaipa Valley Fruit Co.
Yucaipa Valley Fruit Co., to Yucaipa Farmers Cooperative, Yucaipa, Calif. Fresh deciduous fruits. 220,573; renewed Nov. 9, 1946. O. G. Dec. 3. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Barytes, Ground. Eversole, Maclay & Co. 425,695; Dec. 3; Serial No. 470,020; published Sept. 10, 1946.
Clays that are suitable for use in tooth paste, lotions, face packs, etc. Alosium Products Company. 425,733; Dec. 3; Serial No. 489,577; published Sept. 10, 1946.
Leather. John Flynn & Sons, Inc. 425,897; Dec. 3.
Leather. Willard Helburn, Inc. 425,792; Dec. 3; Serial No. 496,024; published Sept. 10, 1946.
Metals, Finely cut or comminuted. Rayon Processing Co. of R. I. Inc. 425,753; Dec. 3; Serial No. 492,663; published Sept. 17, 1946.
Seed, Grass. Germain Seed and Plant Co. 425,736; Dec. 3; Serial No. 489,956; published Sept. 10, 1946.
Wax, Synthetic. Cornelius Products Company. 425,814; Dec. 3; Serial No. 497,373; published Sept. 17, 1946.

CLASS 2

Box and crate shooks, and knockdown and assembled wooden and metal boxes, etc. R. E. Birdsall. 425,690; Dec. 3; Serial No. 455,884; published Sept. 10, 1946.
Boxes, Tool. Bonney Forge and Tool Works. 425,706; Dec. 3; Serial No. 482,269; published Sept. 10, 1946.
Cases and cartons, Corrugated and solid fibre shipping. River Raisin Paper Company. 425,725; Dec. 3; Serial No. 487,740; published Sept. 10, 1946.
Paper. Sherman Paper Products Corporation. 425,703; Dec. 3; Serial No. 479,954; published Sept. 10, 1946.
Tanks, Aircraft fuel. Duramold Aircraft Corporation. 425,738; Dec. 3; Serial No. 490,178; published Sept. 17, 1946.

CLASS 3

Handbags, Ladies'. Ingber & Company. 425,749; Dec. 3; Serial No. 492,200; published Sept. 17, 1946.
Horseblankets. William Ayres & Sons. 56,597; re-renewed Oct. 9, 1946. O. G. Dec. 3.
Leather goods. New Rexbilt Leather Goods Corporation. 425,848–9; Dec. 3; Serial Nos. 501,192–3; published Sept. 17, 1946.

CLASS 4

Cleaner, Liquid glass. Unacal Products, Incorporated. 425,689; Dec. 3; Serial No. 446,377; published May 8, 1945.
Cleaners made of metal textile, Pot. International Nickel Company, Inc. 425,775; Dec. 3; Serial No. 494,791; published Sept. 3, 1946.
Cleaning fluid. H. A. Meyer. 425,802; Dec. 3; Serial No. 496,389; published Sept. 10, 1946.
Cleanser and soaps, etc., Denture. Colgate-Palmolive-Peet Company. 425,760; Dec. 3; Serial No. 493,660; published Sept. 10, 1946.
Dressing, cleaner, and polish for shoes, boots, and leather goods, etc. Knomark Manufacturing Co. 425,794; Dec. 3; Serial No. 496,147; published Sept. 10, 1946.
Dressing, Shoe. Griffin M'f'g. Co., Inc. 221,992; renewed Dec. 21, 1946. O. G. Dec. 3.
Dressing, Shoe. Griffin M'f'g. Co., Inc. 222,034; renewed Dec. 21, 1946. O. G. Dec. 3.
Liquid preparation. Cosmex Corp. 425,805; Dec. 3; Serial No. 496,543; published Sept. 10, 1946.
Powder, Cleaning and washing. Kelite Products, Inc. 425,773; Dec. 3; Serial No. 494,451; published Sept. 10, 1946.
Soap. Colgate-Palmolive-Peet Company. 425,800; Dec. 3; Serial No. 496,301; published Sept. 3, 1946.
Soap. Colonial Dames Company, Ltd. 425,697; Dec. 3; Serial No. 474,654; published Sept. 10, 1946.
Soap. Lever Brothers Company. 57,369; re-renewed Nov. 13, 1946. O. G. Dec. 3.
Soap. Lever Brothers Company. 57,399; re-renewed Nov. 13, 1946. O. G. Dec. 3.
Soap. Lever Brothers Company. 57,536; re-renewed Nov. 13, 1946. O. G. Dec. 3.
Soap. Lever Brothers Company. 57,713; re-renewed Nov. 27, 1946. O. G. Dec. 3.
Soap. Lever Brothers Company. 58,464–5; re-renewed Dec. 18, 1946. O. G. Dec. 3.
Soap. Lever Brothers Company. 221,813; renewed Dec. 14, 1946. O. G. Dec. 3.
Soap powder. Pemberton Products Company. 425,742; Dec. 3; Serial No. 491,427; published Sept. 3, 1946.
Soap, Toilet and bath. Procter & Gamble Company. 222,564; renewed Jan. 4, 1947. O. G. Dec. 3.
Washing and cleaning compound. Blue Ribbon Products Company. 425,803; Dec. 3; Serial No. 496,497; published Sept. 10, 1946.
Washing-powder. N. K. Fairbank Company. 57,430; re-renewed Nov. 13, 1946. O. G. Dec. 3.

CLASS 5

Mucilage and adhesive paste. Marvel Products, Inc. 425,761; Dec. 3; Serial No. 493,793; published Sept. 17, 1946.
Tape, Adhesive. Okonite Company. 53,523; re-renewed June 5, 1946. O. G. Dec. 3.

CLASS 6

Cough sirup. E. L. Patch Company. 220,810; renewed Nov. 16, 1946. O. G. Dec. 3.
Dressing for burns, scalds, and sunburn and like uses. Johnson & Johnson. 218,500; renewed Sept. 28, 1946. O. G. Dec. 3.
Hair waving supplies, Permanent. National Mineral Company. 425,887; Dec. 3.
Insecticides W. Peterman. 56,401; re-renewed Sept. 18, 1946. O. G. Dec. 3.
Spray used as an insecticide and germicide, Liquid. Van Camp Hardware & Iron Co. 219,670; renewed Oct. 19, 1946. O. G. Dec. 3.
Sulfur. San Francisco Sulphur Company. 58,092; re-renewed Dec. 4, 1946. O. G. Dec. 3.
Sulfur, Flowers of. San Francisco Sulphur Company. 58,091; re-renewed Dec. 4, 1946. O. G. Dec. 3.

CLASS 8

Pipes, cigar and cigarette holders, Smokers'. Reiss-Premier Corporation. 425,758; Dec. 3; Serial No. 493,401; published Sept. 17, 1946.
Pipes, cigar and cigarette holders, Tobacco. Marechal Ruchon & Co., Limited. 213,573; renewed June 1, 1946. O. G. Dec. 3.
Pipes, Tobacco. A. Oppenheimer & Co. 214,666; renewed June 29, 1946. O. G. Dec. 3.
Servers, Cigarette. N. E. Kantor. 425,900; Dec. 3.

CLASS 9

Guns and parts thereof. L. C. Smith Gun Company, Incorporated. 425,905; Dec. 3.

CLASS 10

Food and fertilizer, Concentrated plant. Poly-Bloom Co. 425,705; Dec. 3; Serial No. 482,117; published Sept. 10, 1946.
Food for roses and plants. S. M. Pinkerton. 425,795; Dec. 3; Serial No. 496,152; published Sept. 3, 1946.

CLASS 11

Ink, Writing. Parker Pen Company. 425,730; Dec. 3; Serial No. 488,474; published Sept. 3, 1946.
Inks, drawing inks, stamp pad inks, etc., Writing. Marvel Products, Inc. 425,762; Dec. 3; Serial No. 493,794; published Sept. 10, 1946.
Inks, Printing and lithographic. Bowers Printing Ink Company. 425,694; Dec. 3; Serial No. 469,491; published Sept. 3, 1946.
Pads and non-smear ink, Non-smear stamp. W. K. Munson. 425,723; Dec. 3; Serial No. 487,688; published Sept. 10, 1946.
Printing-inks. Ault & Wiborg Co. 58,620; re-renewed Dec. 18, 1946. O. G. Dec. 3.

CLASS 12

Cement, Portland. San Antonio Portland Cement Co. 425,845; Dec. 3; Serial No. 500,703; published Sept. 17, 1946.
Composition including a water soluble plasticizing agent. Master Builders Company. 425,844; Dec. 3; Serial No. 500,551; published Sept. 17, 1946.
Mouldings, Metal and plastic. Kinkead Industries Incorporated. 425,811; Dec. 3; Serial No. 497,027; published Sept. 10, 1946.
Plywood; asphalt fiber boards and planks, etc. A. C. Fischer. 425,691; Dec. 3; Serial No. 459,807; published Sept. 10, 1946.
Posts, columns, and stanchions, etc., Adjustable load bearing metal. L. J. McKnight. 425,808; Dec. 3; Serial No. 496,722; published Sept. 10, 1946.
Roof coating products, Semi-liquid. Panther Oil & Grease Mfg. Co. 425,875; Dec. 3.
Wall clips, Metal. Marine Stamping Company. 425,876; Dec. 3.
Windows, screens and doors, Combination storm. Crandall Supply Company. 425,877; Dec. 3.

CLASS 13

Traps, Steam. W. B. Connor Co. Inc. 211,648; renewed Apr. 13, 1946. O. G. Dec. 3.
Vessels, Culinary. International Nickel Company. 58,444; re-renewed Dec. 18, 1946. O. G. Dec. 3.

CLASS 14

Metal alloy containing nickel and copper. International Nickel Company. 58,191; re-renewed Dec. 11, 1946. O. G. Dec. 3.
Metals, metal compounds and alloys, etc. Electric Railway Improvement Company. 425,701; Dec. 3; Serial No. 478,041; published Sept. 10, 1946.
Rods, Welding. Omaha Welding Company. 425,704; Dec. 3; Serial No. 481,336; published Aug. 27, 1946.
Steel parts, steel sheets, brass sheets, etc., Small. Chemical Treatment Company Inc. 222,067; renewed Dec. 21, 1946. O. G. Dec. 3.

CLASS 15

Gasoline. Goodwin Brothers Automobile Company. 216,588; renewed Aug. 17, 1946. O. G. Dec. 3.
Gasoline. Sinclair Refining Company. 216,196; renewed Aug. 3, 1946. O. G. Dec. 3.
Gasoline. Sinclair Refining Company. 216,380; renewed Aug. 10, 1946. O. G. Dec. 3.
Oils and greases and gasoline, Lubricating. Pierce Petroleum Corporation. 221,353; renewed Nov. 30, 1946. O. G. Dec. 3.
Petroleum products. Pierce Petroleum Corporation. 216,601; renewed Aug. 17, 1946. O. G. Dec. 3.
Petroleum products, particularly lubricating oils. Pierce Petroleum Corporation. 219,847; renewed Oct. 26, 1946. O. G. Dec. 3.

CLASS 16

Dopes, lacquers, automobile and furniture polishes, etc., Airplane and aircraft. Celanese Corporation of America. 425,787; Dec. 3; Serial No. 495,862; published Sept. 17, 1946.
Glaze in liquid and paste form. Strand Castle Company. 425,744; Dec. 3; Serial No. 491,522; published Sept. 10, 1946.
Lacquers. Van Camp Hardware & Iron Co. 215,984; renewed Aug. 3, 1946. O. G. Dec. 3.
Paint enamels, Floor, porch, and deck. Lehman Bros. Corp. 425,768; Dec. 3; Serial No. 494,221; published Sept. 17, 1946.
Paints and protective coatings. J. F. Germain. 425,806; Dec. 3; Serial No. 496,553; published Sept. 10, 1946.
Paints in dry, paste, and/or ready-mixed forms, and painters' materials. G. M. Goldberg. 425,751; Dec. 3; Serial No. 492,556; published Sept. 10, 1946.
Paints, Ready-mixed. Lehman Bros. Corp. 425,769; Dec. 3; Serial No. 494,222; published Sept. 17, 1946.
Polish, Furniture. Tu-Way Chemical Company. 425,916; Dec. 3.
Stains, Chemical. H. H. Rohloff. 425,715; Dec. 3; Serial No. 483,742; published Feb. 5, 1946.
Varnishes and priming. Murphy Varnish Company. 58,497; re-renewed Dec. 18, 1946. O. G. Dec. 3.

CLASS 17

Cigars. Peninsular Cigar Co. 425,799; Dec. 3; Serial No. 496,266; published Sept. 10, 1946.

CLASS 21

Conduits, swivel joints, and continuous connector joints therefor. Curtis Lighting Incorporated. 221,606; renewed Dec. 7, 1946. O. G. Dec. 3.
Lamps, Therapeutic. Eastern Laboratories, Inc. 217,345; renewed Aug. 31, 1946. O. G. Dec. 3.
Lightning arresters. Electric Service Supplies Company. 215,212; renewed July 13, 1946. O. G. Dec. 3.
Tape, Adhesive. Okonite Company. 53,523; re-renewed June 5, 1946. O. G. Dec. 3.
Telephone sets, Automatic. Automatic Electric Inc. 221,377; renewed Nov. 30, 1946. O. G. Dec. 3.

CLASS 22

Carriages, Doll. S. C. Sawicki. 425,856; Dec. 3; Serial No. 504,214; published Sept. 17, 1946.
Dolls and dolls' clothes. D. Ippolito. 425,857; Dec. 3; Serial No. 504,838; published Sept. 17, 1946.
Fish bait, Artificial. Art Wire Stamping Co. 425,737; Dec. 3; Serial No. 490,053; published Sept. 17, 1946.
Fishing rod cases. Scientific Anglers, Inc. 425,836; Dec. 3; Serial No. 499,080; published Sept. 17, 1946.
Game, Educational peg. Wood Commodities Corporation. 425,740; Dec. 3; Serial No. 490,912; published Sept. 17, 1946.
Rocking horses, Metal based. Wood Commodities Corporation. 425,891; Dec. 3.
Swivels used in fishing tackle. Fishmaster Sporting Goods Co. 425,843; Dec. 3; Serial No. 500,380; published Sept. 10, 1946.
Toy banks. E. E. Evans. 425,750; Dec. 3; Serial No. 492,432; published Sept. 17, 1946.
Toy guns and toy pistols. Daisy Manufacturing Company. 425,791; Dec. 3; Serial No. 496,015; published Sept. 17, 1946.
Toy jack-in-the-boxes and dolls. Jonthay. 425,707; Dec. 3; Serial No. 482,629; published Sept. 10, 1946.
Toy rolling strollers, etc., Child-propelled. Taylor-Graves, Inc. 425,739; Dec. 3; Serial No. 490,407; published Sept. 10, 1946.
Toys. McNab of Bridgeport, Inc. 425,746; Dec. 3; Serial No. 491,721; published Sept. 10, 1946.

CLASS 23

Auger bits, carpenters' bit braces, hack saws, etc. Peck & Mack Co. 222,008; renewed Dec. 21, 1946. O. G. Dec. 3.
Axes, auger-bits, files, saws, etc. Geller, Ward & Hasner Hdw. Co. 58,227; re-renewed Dec. 11, 1946. O. G. Dec. 3.
Internal-combustion engines and their parts. Pratt & Whitney Aircraft Company. 220,868; renewed Nov. 16, 1946. O. G. Dec. 3.
Mincing-knives, choppers, cleavers, etc. Simmons Hardware Company. 58,234; re-renewed Dec. 11, 1946. O. G. Dec. 3.
Rolls, Wood. Rodney Hunt Machine Company. 219,916; renewed Oct. 26, 1946. O. G. Dec. 3.

Sprayers, Hand. Colonial Chemical Corporation. 214,863; renewed July 6, 1946. O. G. Dec. 3.
Type-writing machines. Royal Typewriter Co. 61,674; re-renewed Apr. 2, 1947. O. G. Dec. 3.

CLASS 24

Clothespins, Plastic. S. R. Pine. 425,908; Dec. 3.

CLASS 26

Lenses and reflectors, Objective. American Lens Company, Inc. 425,716; Dec. 3; Serial No. 483,839; published Sept. 10, 1946.
Ophthalmic mountings. Bay State Optical Company. 425,764–5; Dec. 3; Serial Nos. 494,007–8; published Sept. 10, 1946.
Photographic films. J. F. Criswell. 425,881; Dec. 3.
Printing and developing machines. General Aniline & Film Corporation. 425,721; Dec. 3; Serial No. 487,252; published Sept. 10, 1946.
Weighing machines, scales, balances, etc. Fairbanks, Morse & Co. 425,696; Dec. 3; Serial No. 473,729; published Sept. 10, 1946.

CLASS 28

Jewelry for personal wear, not including watches, silverware, and cigarette cases. W. W. Shryock. 425,896; Dec. 3.

CLASS 31

Freezer, Ice cream. Master Industries, Inc. 425,853; Dec. 3; Serial No. 502,385; published Sept. 10, 1946.
Freezer, Ice cream. Master Industries, Inc. 425,855; Dec. 3; Serial No. 503,305; published Sept. 17, 1946.
Refrigerating apparatus. Gray-Mills Co. 425,719; Dec. 3; Serial No. 486,251; published Sept. 10, 1946.

CLASS 32

Brackets, and book ends, Wall. Multi Products, Incorporated. 425,731; Dec. 3; Serial No. 488,606; published Sept. 10, 1946.
Carvings, mouldings, and legs, etc., Furniture. Syracuse Ornamental Co. 425,741; Dec. 3; Serial No. 490,981; published Sept. 10, 1946.
Dressers, beds, divans, etc. R. Pagano Sons, Inc. 425,902; Dec. 3.
Mattresses. Vincent-McCall Company. 425,789–90; Dec. 3; Serial Nos. 495,920–1; published Sept. 17, 1946.
Stands, folding tray stands, serving carts, etc., Luggage. Frantz Industries. 425,747; Dec. 3; Serial No. 491,820; published Sept. 10, 1946.

CLASS 34

Boilers and furnaces, and parts thereof. Follsain Metals Ltd. 425,699; Dec. 3; Serial No. 477,602; published Sept. 10, 1946.
Boilers, metal boiler jackets, casings for heat exchangers, etc., Steam. H. Darby. 425,693; Dec. 3; Serial No. 465,738; published Sept. 10, 1946.
Fans and ventilating grilles, Electric. Wilster, Inc. 425,824; Dec. 3; Serial No. 498,193; published Sept. 17, 1946.
Glass, plastic and combinations of metal and glass and/or plastic refractors and reflectors. Holophane Company, Inc. 425,847; Dec. 3; Serial No. 500,881; published Sept. 17, 1946.
Heaters, Stock tank. Mundie Manufacturing Company. 425,842; Dec. 3; Serial No. 499,727; published Sept. 10, 1946.
Lamp shades. Elco Lamp & Shade Studio. 425,850–1; Dec. 3; Serial Nos. 501,838–9; published Sept. 17, 1946.
Stokers and parts thereof, Automatic. A. O. Smith Corporation. 425,854; Dec. 3; Serial No. 503,014; published Sept. 17, 1946.
Stoves, Wood burning. Automatic Draft & Stove Co. Inc. 425,886; Dec. 3.
Ventilators, Window. Aluminum Products Co. 425,846; Dec. 3; Serial No. 500,721; published Sept. 17, 1946.

CLASS 35

Hose, and packing, Rubber and canvas belting. Pioneer Rubber Mills. 220,749; renewed Nov. 16, 1946. O. G. Dec. 3.

CLASS 37

Blank books comprising account books, memorandum books, composition books, etc. S. E. & M. Vernon Inc. 218,636; renewed Sept. 28, 1946. O. G. Dec. 3.
Crayons. Milton Bradley Company. 220,289; renewed Nov. 9, 1946. O. G. Dec. 3.
Paper, air mail envelopes, printing paper, etc., Air mail. Agency Paper Company. 425,783; Dec. 3; Serial No. 493,939; published Sept. 17, 1946.
Paper and envelopes, Writing. Manette Company. 425,909; Dec. 3.
Paper wrapping material, Laminated. Hinde & Dauch Paper Company. 425,781; Dec. 3; Serial No. 495,473; published Sept. 17, 1946.
Pencils, leads, erasers, etc. National Pencil Company. 425,771–2; Dec. 3; Serial Nos. 494,352–3; published Sept. 17, 1946.
Pencils, Mechanical. Rite-Rite Mfg. Co. 425,815; Dec. 3; Serial No. 497,413; published Sept. 17, 1946.
Pencils, pencil leads, and erasers, Mechanical. Scripto Manufacturing Company. 425,813; Dec. 3; Serial No. 497,274; published Sept. 17, 1946.
Pencils, Woodcased lead. National Pencil Company. 425,750; Dec. 3; Serial No. 493,450; published Sept. 17, 1946.
Plates, circles, and boards made of cardboard. General Fibre Products Co. 425,757; Dec. 3; Serial No. 493,116; published Sept. 17, 1946.
Tablets, composition books, and school paper. Old Dominion Paper Company. 219,984; renewed Oct. 26, 1946. O. G. Dec. 3.
Telephone indexes (blank). Unique Art Manufacturing Company, Inc. 425,754; Dec. 3; Serial No. 492,668; published Sept. 17, 1946.
Tissue, Facial. I. Worthman. 425,714; Dec. 3; Serial No. 483,407; published Sept. 17, 1946.
Writing-papers. S. E. & M. Vernon Inc. 55,361; re-renewed Aug. 14, 1946. O. G. Dec. 3.

CLASS 38

Books and booklets. E. C. Wells. 425,913; Dec. 3.
Magazine. Saturday Review Associates, Inc. 425,922; Dec. 3.
Magazine, Condensed illustrated. Bilbara Publishing Company, Inc. 425,919; Dec. 3.
Magazine, Monthly. Federated Russian Orthodox Clubs. 425,862; Dec. 3.
Periodical publications. Farm Implement News Company. 425,899; Dec. 3.
Publication, Weekly. I. Horowitz. 425,871; Dec. 3.
Publications. National League of Wholesale Fresh Fruit and Vegetable Distributors. 425,895; Dec. 3.
Publications, Periodical. A. A. Williams. 222,023; renewed Dec. 21, 1946. O. G. Dec. 3.
Signs which are printed, lithographed, painted, etc., Advertising. Massillon - Cleveland - Akron Sign Company. 219,091; renewed Oct. 12, 1946. O. G. Dec. 3.

CLASS 39

Apparel, Articles of. Crown Overall Mfg. Co. 425,825; Dec. 3; Serial No. 498,272; published Sept. 10, 1946.
Apparel, Infants', children's, boys', girls', misses', and women's. Hi-Line Co., Inc. 425,820–1; Dec. 3; Serial Nos. 497,795–6; published Sept. 17, 1946.
Apparel, Women's and children's wearing. Alice Frock Co. 425,822; Dec. 3; Serial No. 497,912; published Sept. 10, 1946.
Blouses, bathing suits, dresses, Women's, misses', and girls'. R. Lash. 425,904; Dec. 3.
Blouses, dresses, housecoats, etc., Ladies' and misses'. Mitchell & Weber, Inc. 425,866; Dec. 3.
Brassières, corsets, corset waists, etc. H. Klopfer. 425,777; Dec. 3; Serial No. 495,244; published Sept. 10, 1946.
Brassières, slips, and panties, Women's. H. F. Goldstein. 425,898; Dec. 3.
Capes, aprons, raincaps, etc., Waterproof. Jolo Merchandise Company Inc. 425,702; Dec. 3; Serial No. 479,799; published Sept. 17, 1946.
Capes, Rain. A. M. McDougall. 425,879; Dec. 3.
Clothing, Boys' outer. K. C. Boyswear Mfg. Co. 425,809; Dec. 3; Serial No. 496,844; published Sept. 10, 1946.
Clothing for women and girls, Certain articles of. Josie Lingerie, A Corporation. 425,831; Dec. 3; Serial No. 498,634; published Sept. 3, 1946.
Clothing, suits, coats, etc., Men's and youths'. I. Myers. 425,903; Dec. 3.
Coats, raincoats, dresses, etc., Women's, misses', and children's. Hess Brothers. 425,920; Dec. 3.
Coats, suits, coat and suit ensembles, etc., Misses' and junior. Gilbert-Harris Corp. 425,923; Dec. 3.
Coats, suits, coat and suit ensembles, etc., Misses' and junior misses'. Harold Kolbert & Co., Inc. 425,924; Dec. 3.
Coats, suits, jackets, etc., Ladies' and misses'. Morris W. Haft & Brothers Inc. 425,726; Dec. 3. Serial No. 488,034; published Sept. 17, 1946.
Coats, suits, jackets, etc., Misses' and junior misses'. Donnybrook Coat and Suit Co. 425,770; Dec. 3; Serial No. 494,314; published Sept. 3, 1946.
Corsets and hosiery. Paris Company. 221,672; renewed Dec. 7, 1946. O. G. Dec. 3.
Dresses and blouses, Children's. C. Monk. 425,890; Dec. 3.
Dresses and blouses, Women's, misses' and junior. Horner Juniors. 425,915; Dec. 3.
Dresses, and combination blouse-slips, etc., Girls' and women's. C. H. Pfuhl. 425,807; Dec. 3; Serial No. 496,566; published Sept. 17, 1946.
Dresses, blouses, and skirts, Children's. L. Wohl & Company. 425,724; Dec. 3; Serial No. 487,695; published Sept. 3, 1946.
Dresses, blouses, skirts, etc., for women, misses, juniors, and children. Linda Dress Manufacturing Corporation. 425,906; Dec. 3.
Dresses, Children's and misses'. Jack L. Honig, Inc. 425,830; Dec. 3; Serial No. 498,632; published Sept. 17, 1946.
Dresses, Children's and misses'. H. & L. Sacks. 425,755; Dec. 3; Serial No. 492,740; published May 7, 1946.

Dresses, Ladies'. S. Rothbart. 425,720; Dec. 3; Serial No. 486,388; published Sept. 3, 1946.
Dresses, Ladies' and misses'. Sol Disick & Company. 425,889; Dec. 3.
Dresses, Maternity. S. I. Trussel. 425,810; Dec. 3; Serial No. 496,935; published Aug. 27, 1946.
Dresses, Misses'. M. Feinberg and M. Wiesen. 425,869; Dec. 3.
Dresses, Misses'. Arthur Weiss & Company. 425,878; Dec. 3.
Dresses, Misses' and juniors'. R. Lowenbaum Manufacturing Company. 425,914; Dec. 3.
Dresses, Misses' petite. Varden Dress Co. 425,892–3; Dec. 3.
Dresses, suits, coats, etc., Women's, and misses'. Clothes Horse, Inc. 425,823; Dec. 3; Serial No. 498,115; published Aug. 27, 1946.
Dresses, sun dresses, jackets, and suits. Eileen-Joy Fashions. 425,917; Dec. 3.
Footwear. Bristol Manufacturing Corporation. 425,860; Dec. 3.
Footwear. O'Donnell Shoe Corporation. 425,872; Dec. 3.
Garments, Women's. Albert, Inc. 425,882–3; Dec. 3.
Girdles, pantie girdles, and corsets. Universal Brassiere and Justrite Corset Co. Inc. 425,718; Dec. 3; Serial No. 485,931; published Sept. 10, 1946.
Hair nets. New York Merchandise Co., Inc. 425,735; Dec. 3; Serial No. 489,880; published Sept. 10, 1946.
Hair nets. Sitroux Inc. 425,835; Dec. 3; Serial No. 490,020; published Sept. 10, 1946.
Handkerchiefs. Crestwood Linen Company. 425,778; Dec. 3; Serial No. 495,276; published Sept. 10, 1946.
Hats, dresses, coats, etc., Women's. Plymouth Wholesale Dry Goods Corporation. 425,911; Dec. 3.
Hats, Ladies'. M. Goodfellow. 425,783; Dec. 3. Serial No. 495,665; published Sept. 10, 1946.
Hosiery. Ades-Lexington Dry Goods Co. 222,019; renewed Dec. 21, 1946. O. G. Dec. 3.
Hosiery. Davisville Hosiery Mill. 425,708; Dec. 3; Serial No. 483,217; published Sept. 17, 1946.
Hosiery, Children's. E. M. Williams. 425,888; Dec. 3.
Hosiery for infants. Dobson Hosiery Mills. 425,918; Dec. 3.
Hosiery, Ladies'. Chester H. Roth Co., Inc. 425,776; Dec. 3; Serial No. 495,193; published Sept. 10, 1946.
Jackets, swim trunks, slacks, work pants, and rain coats, Men's sport. Reeves Brothers, Inc. 425,734; Dec. 3; Serial No. 489,762; published Apr. 30, 1946.
Neckties. L. Blumenfield. 425,912; Dec. 3.
Neckties. Cheney Brothers. 425,858–9; Dec. 3.
Neckties, outer shirts, sweaters, etc. Charvet & Fils, Inc. 425,728–9; Dec. 3; Serial Nos. 488,188–9; published Sept. 10, 1946.
Nightgowns, slips, pajamas, etc., Women's. Middendorf Brothers. 425,921; Dec. 3.
Overalls, coveralls, "crawlers," and playsuits, Infants' and children's. Peter Pan Manufacturing Co. 425,907; Dec. 3.
Overcoats and topcoats, and suits, Men's. J. M. Klein. 425,817–8; Dec. 3; Serial Nos. 497,721–2; published Sept. 10, 1946.
Pajamas and nightshirts. Sleepwear, Inc. 425,838; Dec. 3; Serial No. 499,439; published Sept. 17, 1946.
Panties and briefs, Ladies' and kiddies'. Blossom Products Corporation. 425,837; Dec. 3; Serial No. 499,105; published Sept. 3, 1946.
Panties, polo shirts, slips, etc., Ladies' and children's. Rhine Undergarment Company. 425,793; Dec. 3; Serial No. 496,103; published Sept. 3, 1946.
Play clothes, Children's. North Shore Manufacturing Company. 425,829; Dec. 3; Serial No. 498,441; published Sept. 10, 1946.
Robes, dressing gowns, house coats, etc., Bath. G. G. Gray. 425,700; Dec. 3; Serial No. 477,801; published Aug. 27, 1946.
Shoe soles. Chas. A. Schieren Company. 222,109; renewed Dec. 21, 1946. O. G. Dec. 3.
Shoes. J. Nahan. 425,782; Dec. 3; Serial No. 495,494; published Sept. 10, 1946.
Shoes, Leather. Smith-Briscoe Shoe Company Inc. 57,404; re-renewed Nov. 13, 1946. O. G. Dec. 3.
Shoes, Men's. Thompson Bros. Shoe Co. 221,383; renewed Nov. 30, 1946. O. G. Dec. 3.
Shoes, Women's Leather. Smith-Briscoe Shoe Company Inc. 57,630; re-renewed Nov. 20, 1946. O. G. Dec. 3.
Slippers. Marjo Novelties Co. 425,910; Dec. 3.
Sportswear, Women's, misses' and juniors'. Allen Manufacturing Co. 425,826; Dec. 3; Serial No. 498,367; published Sept. 10, 1946.
Suits and coats, Men's. Hart, Schaffner & Marx. 215,755; renewed July 27, 1946. O. G. Dec. 3.
Suits and coats, Men's. Hart, Schaffner & Marx. 219,857; renewed Oct. 26, 1946. O. G. Dec. 3.
Suits and coats, Men's. Hart, Schaffner & Marx. 220,759; renewed Nov. 16, 1946. O. G. Dec. 3.
Suits and coats, Men's. Hart, Schaffner & Marx. 221,025; renewed Nov. 23, 1946. O. G. Dec. 3.
Suits and coats, Men's. Hart, Schaffner & Marx. 221,603; renewed Dec. 7, 1946. O. G. Dec. 3.
Suits; boys', girls' and misses' overalls, shorts, etc., Boys'. S. R. Tedoff. 425,732; Dec. 3; Serial No. 489,153; published Aug. 27, 1946.
Suits, coats, and pants, Children's and boys'. Louis Gastwirth & Co. 425,766; Dec. 3; Serial No. 494,056; published Sept. 10, 1946.
Suits, Union. E.-Z. Waist Company. 222,107; renewed Dec. 21, 1946. O. G. Dec. 3.
Sweaters, Women's, girls', and children's. M. Katz. 425,832; Dec. 3; Serial No. 498,703; published Sept. 10, 1946.
Underwear, panties, slips, etc. H. G. Underwear Corporation. 425,779; Dec. 3; Serial No. 495,380; published Sept. 10, 1946.
Uniforms, Industrial uniforms, and uniforms for persons engaged in professions, Military. Davis Clothing Company. 425,898; Dec. 3; Serial No. 476,241; published Sept. 17, 1946.
Uniforms, Men's. R. Leavitt. 425,861; Dec. 3.

CLASS 42

Draperies and curtains. J. L. Stifel & Sons, Inc. 425,722; Dec. 3; Serial No. 487,578; published Sept. 17, 1946.
Drapes, bed spreads, mattress covers, etc., Window. Sani-Mode Mfg. Co. 425,717; Dec. 3; Serial No. 485,798; published Sept. 17, 1946.
Piece goods. Verney Fabrics Corporation. 425,864; Dec. 3.
Piece goods made of cotton, natural silk, wool, etc. J. B. Lewis & Sons Limited. 425,727; Dec. 3; Serial No. 488,109; published Sept. 17, 1946.
Piece goods of synthetic and natural fibres. Verney Fabrics Corporation. 425,709; Dec. 3; Serial No. 483,390; published Sept. 17, 1946.
Piece goods of synthetic and natural fibres. Verney Fabrics Corporation. 425,710; Dec. 3; Serial No. 483,395; published Sept. 17, 1946.
Piece goods of synthetic and natural fibres. Verney Fabrics Corporation. 425,711–12; Dec. 3; Serial Nos. 483,397–8; published Sept. 17, 1946.
Piece goods of synthetic and natural fibres. Verney Fabrics Corporation. 425,713; Dec. 3; Serial No. 483,400; published Sept. 17, 1946.
Piece goods, Wool. Somersville Mf'g. Company. 425,743; Dec. 3; Serial No. 491,520; published Sept. 17, 1946.

CLASS 43

Thread, Cotton. Clark Mile-End Spool Cotton Co. 57,376; re-renewed Nov. 13, 1946. O. G. Dec. 3.
Thread, including spool-cotton, darning, and crochet cotton, Cotton. Clark Thread Company. 57,777; re-renewed Nov. 27, 1946. O. G. Dec. 3.

CLASS 44

Dental absorbents. Johnson & Johnson. 55,208; re-renewed Aug. 7, 1946. O. G. Dec. 3.
Nursing bottle supports. Heide-Babe Products. 425,884; Dec. 3.
Sheeting, Rubberized hospital. Stedfast Rubber Co., Inc. 425,852; Dec. 3; Serial No. 502,166; published Sept. 17, 1946.
Surgical dressings. Johnson & Johnson. 56,288; re-renewed Sept. 4, 1946. O. G. Dec. 3.
Test sets, Chemical. Westerfield Pharmacal Co., Inc. 425,894; Dec. 3.

CLASS 46

Cake liner in grease form. Cryns Products, Inc. 425,796; Dec. 3; Serial No. 496,204; published Sept. 17, 1946.
Candies, Nut. H. J. Meyer. 425,828; Dec. 3; Serial No. 498,434; published Sept. 17, 1946.
Canned citrus juices. Lee Growers Cooperative. 425,767; Dec. 3; Serial No. 494,084; published Sept. 10, 1946.
Canned clams. Parrott & Co. 425,880; Dec. 3.
Canned fruits, canned vegetables, canned fruit juices, etc. Haas Brothers. 425,788; Dec. 3; Serial No. 495,882; published Sept. 10, 1946.
Canned fruits, fruit preserves, and fruit jams. Oregon Fruit Products Co. 425,863; Dec. 3.
Canned spaghetti with mushroom sauce, canned dinner of egg noodles, chicken broth, etc. Three Ribbons Packing Company. 425,780; Dec. 3; Serial No. 495,422; published Sept. 17, 1946.
Cereals, Breakfast. Centennial Flouring Mills Company. 425,804; Dec. 3; Serial No. 496,500; published Sept. 17, 1946.
Cheese food mixture. Shefford Cheese Company, Inc. 425,834; Dec. 3; Serial No. 498,804; published Sept. 10, 1946.
Chocolate dairy fudge, topping for ice cream or food, chocolate marshmallow, etc., Hot. Ramsey Laboratories. 425,870; Dec. 3.
Dough, Frozen. S. A. Berman. 425,819; Dec. 3; Serial No. 497,771; published Sept. 10, 1946.
Fish, Fresh and frozen. C. L. Isenberg. 425,865; Dec. 3.
Flour, Wheat. Ismert-Hincke Milling Company. 216,183; renewed Aug. 3, 1946. O. G. Dec. 3.
Flour, Wheat. Standard Milling Company. 425,786; Dec. 3; Serial No. 495,840; published Sept. 10, 1946.
Food, Dog. Quaker Oats Company. 425,833; Dec. 3; Serial No. 498,713; published Sept. 10, 1946.
Food flavors, food essences, and food extracts, etc. C. J. Oidtmann. 425,868; Dec. 3.

Food, Packaged prepared. W. G. Carnahan. 425,816; Dec. 3; Serial No. 497,591; published Sept. 10, 1946.
Food preparation of bone-harrow and malt. Virol, Limited. 54,216; re-renewed June 19, 1946. O. G. Dec. 3.
Foods for yeast. Cryns Products, Inc. 425,797; Dec. 3; Serial No. 496,206; published Sept. 17, 1946.
Fruit, fresh dates and grapes, Fresh citrus. M. D. Gardner. 425,874; Dec. 3.
Fruits and vegetables, Frozen fresh deciduous. E. H. Spiegl. 425,885; Dec. 3.
Fruits, Fresh deciduous. Yucaipa Valley Fruit Co. 220,573; renewed Nov. 9, 1946. O. G. Dec. 3.
Grapes, Fresh. Valley Fruit Distributors. 425,812; Dec. 3; Serial No. 497,218; published Sept. 10, 1946.
Iron reduced by hydrogen, Finely divided and substantially pure metallic. Thomas A. Edison, Incorporated. 425,692; Dec. 3; Serial No. 464,537; published Sept. 10, 1946.
Jam, marmalade, fruit butters, etc. Blanke-Baer Extract & Preserving Co. 425,745; Dec. 3; Serial No. 491,541; published Sept. 17, 1946.
Oil for food purposes, olives, condiments, food flavoring, table sauces, etc., Vegetable. I. Pellenberg. 425,801; Dec. 3; Serial No. 496,330; published Sept. 10, 1946.
Pies, Frozen. W. W. Cense. 425,873; Dec. 3.
Rice. Rice Growers Association of California. 425,784–5; Dec. 3; Serial Nos. 495,694–5; published Sept. 10, 1946.
Sandwiches. Lucky "11" Sandwich System. 425,748; Dec. 3; Serial No. 491,859; published Sept. 10, 1946.
Shells, Macaroni. Magic Nut Shop. 425,752; Dec. 3; Serial No. 492,636; published Sept. 17, 1946.
Sirup for table purposes, coffee, and cocoa. Burrow Wholesale Grocer Co. 209,453; renewed Feb. 23, 1946. O. G. Dec. 3.
Soups, Stabilizing material for use in. Kraft Foods Company. 425,841; Dec. 3; Serial No. 499,638; published Sept. 17, 1946.
Sweetening compound. A. E. Fingerhut. 425,774; Dec. 3; Serial No. 494,743; published Sept. 17, 1946.
Vegetables, Fresh. T. E. Hough. 425,827; Dec. 3; Serial No. 498,419; published Sept. 10, 1946.
Vegetables, Fresh. E. J. Mutchler. 425,756; Dec. 3; Serial No. 492,849; published Sept. 17, 1946.
Vegetables, Fresh. Shrode-Nelson Produce Co. 425,901; Dec. 3.
Whey, Dried. Kraft Foods Company. 425,840; Dec. 3; Serial No. 499,632; published Sept. 17, 1946.
Yeast, Rye. Cryns Products, Inc. 425,798; Dec. 3; Serial No. 496,208; published Sept. 17, 1946.

CLASS 48

Beer. Pabst Brewing Company. 55,858; re-renewed Aug. 21, 1946. O. G. Dec. 3.
Beer. Pabst Brewing Company. 57,226; re-renewed Nov. 6, 1946. O. G. Dec. 3.
Beer. Pabst Brewing Company. 57,999; re-renewed Dec. 4, 1946. O. G. Dec. 3.
Beer. Ems Brewing Co. 425,867; Dec. 3.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3d DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic Electric Laboratories, Inc., assignee: *See*— Kessler, Frank.
Jenkins, John D., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plasticization of plastics. Re. 22,812; Dec. 3.
Kessler, Frank, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. Re. 22,813; Dec. 3.
Osuna, José R., Marianao, Cuba. Apparatus for continuous clarification. Re. 22,814; Dec. 3.
Pittsburgh Plate Glass Company, assignee: *See*— Jenkins, John D.
Thompson, Peter, New Orleans, La. Cargo ship construction. Re. 22,815; Dec. 3.

LIST OF DESIGN PATENTEES

Cherneff, Leonard D., Seattle, Wash. Altar or similar article. 145,995; Dec. 3.
Collura, Francesco, New York, N. Y., assignor to Telechron Inc. Combination radio receiver and timer clock case. 145,996; Dec. 3.
Conery, William J., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Well pump. 145,997; Dec. 3.
Davidson, William A., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cabinet for a sewing machine. 145,998; Dec. 3.
Esterbrook Pen Company, The, assignee: *See*— Steinberg, Harold E.
General Electric Company, assignee: *See*— Schnoor, Frederick D.
Goodman, William L., Jr., Chicago, Ill. Cabinet for combination stove and refrigerator unit. 145,999; Dec. 3.
Hurwitz, Bernard, New York, N. Y. Dress. 146,000; Dec. 3.
Hurwitz, Bernard, New York, N. Y. Dress. 146,001; Dec. 3.
Hurwitz, Bernard, New York, N. Y. Dress. 146,002; Dec. 3.
Jacobson, Louis, New York, N. Y. Spectacle frame. 146,003; Dec. 3.
Jacobson, Louis, New York, N. Y. Spectacle frame. 146,004; Dec. 3.
King, Frederick H., Detroit, Mich. Marble game enclosure. 146,005; Dec. 3.
Kolacy, Charles M., Bloomfield, N. J. Table. 146,006; Dec. 3.
Looney, Joseph S., Beaumont, Tex. Figure toy. 146,007; Dec. 3.
Morbee, Richard, Chicago, Ill. Collapsible, focusing field glass. 146,008; Dec. 3.
Myers, F. E., & Bro. Co., The, assignee: *See*— Conery, William J.
Neats, Lester P., East Orange, N. J. Spool holder. 146,009; Dec. 3.
Schick, Karl, New York, N. Y. Twisted plastic tube. 146,010; Dec. 3.
Schnoor, Frederick D., Stratford, Conn., assignor to General Electric Company. Radio receiver. 146,011; Dec. 3.
Singer Manufacturing Company, The, assignee: *See*— Davidson, William A.
Steinberg, Harold E., Philadelphia, Pa., assignor to The Esterbrook Pen Company, Camden, N. J. Writing pen. 146,012; Dec. 3.
Taylor, David, Great Neck, N. Y. Lapel watch frame. 146,013; Dec. 3.
Telechron Inc., assignee: *See*— Collura, Francesco.

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TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Clark A., Limona, Fla., assignor to Tennessee Corporation, New York, N. Y. Machine for filling valve bags. 2,412,026; Dec. 3.

Adams, Richard C., Cleveland Heights, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Coating applying device. 2,411,842; Dec. 3.

Addressograph-Multigraph Corporation, assignee: *See*— Janke, Edward J.

Agriculture, United States of America, as represented by the Secretary of, assignee: *See*— Lawrence, Ray V.

Aiken, Charles B., North Plainfield, N. J., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Compensating means for electrical borehole apparatus. 2,411,843; Dec. 3.

Ajax Industrial Supplies, Inc., assignee: *See*— Smyers, John L.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,412,027; Dec. 3.

American Car and Foundry Company, assignee: *See*— Shields, Robert A.

American Cyanamid Company, assignee: *See*— Peter, John P. C.

American Rolling Mill Company The, assignee: *See*— Gifford, Carl E., Carpenter, and Cook.

American Smelting and Refining Company, assignee: *See*— Gail, Carl, and Prucha.

American Viscose Corporation, assignee: *See*— McDermott, Henry J.

Antony, Charles, Jr., Baldwin, and E. J. Isbister, Forest Hills, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electrical connector. 2,411,861; Dec. 3.

Appel, Walter D., Orchard Lake, assignor to General Motors Corporation, Detroit, Mich. Poppet valve and guide assembly. 2,411,844; Dec. 3.

Armour Research Foundation, assignee: *See*— Camras, Marvin.

Arnold, Harmon W., South Bend, Ind. Forming frangible explosive containers and the product so produced. 2,411,862; Dec. 3.

Arrow-Hart & Hegeman Electric Company, The, assignee: *See*— Bentley, Robert H.

Arthur, James L., and R. M. Williams, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Cooling system for aircraft engines. 2,411,845; Dec. 3.

Auyer, Earl L.: *See*— Warner, Donald F., and Auyer.

Aviation Corporation, The, assignee: *See*— Kratzer, Blair S.

Badenhausen, Bayard, assignee: *See*— Badenhausen, John P.

Badenhausen, John P., assignor of one-half to B. Badenhausen, Philadelphia, Pa. Steam generator. 2,412,115; Dec. 3.

Bailey, James: *See*— Wiley, Fred E., Canfield, Jesionowski, and Bailey.

Baker, Norman G., Leavenworth, Kans. Diesel engine. 2,412,028; Dec. 3.

Baker, Norman G., Laredo, Tex. Diesel engine. 2,412,029; Dec. 3.

Baker, Philip J., Jr., Terre Haute, Ind., assignor to Commercial Solvents Corporation. Phenyl sulfonyl diesters of nitro alcohols. 2,412,116; Dec. 3.

Baker, Philip J., Jr., Terre Haute, Ind., assignor to Commercial Solvents Corporation. Phenyl sulfonyl triesters of nitro alcohols. 2,412,117; Dec. 3.

Baldwin, Charles F., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric crystal mounting. 2,412,030; Dec. 3.

Baldwin Locomotive Works, The, assignee: *See*— Porteus, John H.

Bascom, Roger C., Port Clinton, Ohio, and D. Roberts, deceased, New York, by D. Roberts, Jr., executor, assignors to Rubatex Products, Inc., New York, N. Y. Gassing rubber. 2,412,072; Dec. 3.

Bassett, Lloyd L., West Los Angeles, Calif. Lipstick applicator and container combination. 2,412,073; Dec. 3.

Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Automatic trap for refrigerator car drainpipes. 2,412,118; Dec. 3.

Bausch & Lomb Optical Company, assignee: *See*— Benford, James R. Bouchard, Samuel E.

Bavely, Abraham, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 4,4′-bis(pyrazolone) couplers for color photography. 2,411,951; Dec. 3.

Bechtel Brothers McCone Company, assignee: *See*— Rhoades, Russell G.

Bell Aircraft Corporation, assignee: *See*— Trotter, John C.

Bell Telephone Laboratories, Incorporated, assignee: *See*— Bostwick, Lee G., and King. Feldman, Carl B. H., and Mueller. Pierce, John R., and Shepherd. Schelleng, John C. Slonczewski, Thaddeus. Vance, Robert L.

Bendix Aviation Corporation, assignee: *See*— Spengler, Walter J.

Benford, James R., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Device for testing light polarizing elements. 2,412,074; Dec. 3.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Quick-acting switch mechanism. 2,412,119; Dec. 3.

Berg, Quentin, Detroit, Mich. Travel lock. 2,411,863; Dec. 3.

Bergstein, Frank D., trustee, assignee, et al.: *See*— Bergstein, Samuel.

Bergstein, Robert M., trustee, assignee, et al.: *See*— Bergstein, Samuel.

Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Carton for sealing by immersion. 2,412,031; Dec. 3.

Bethlehem Steel Company, assignee: *See*— Miller, Louis G., and Statler.

Bill, James, Jr., Woodbury, N. J. Distribution nozzle for filters and the like. 2,412,032; Dec. 3.

Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Overhead electric lighting fixture. 2,411,952; Dec. 3.

Bir, Bernard J., Belleville, Ill. Electrical attachment plug. 2,411,846; Dec. 3.

Birkin, Dimitri, Boston, Mass. Buffet server. 2,411,864; Dec. 3.

Bloser, Bernard D.: *See*— Fink, Henry A., and Bloser.

Bokeeno, John, Sewell, N. J., assignor to Radio Corporation of America. Extruding thermoplastic materials. 2,411,847; Dec. 3.

Boone, Harry C., Lubbock, Tex. Brace. 2,412,075; Dec. 3.

Borden Company, The, assignee: *See*— Dunham, Henry V.

Bostwick, Lee G., and J. H. King, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling device. 2,411,865; Dec. 3.

Bouchard, Samuel E., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Goggles. 2,412,076; Dec. 3.

Bouchard, Samuel E., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple connection. 2,412,120; Dec. 3.

Boyd, Lee R.: *See*— Breckenridge, Frank, and Boyd.

Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Magnetic deflection corrected compass. 2,411,866; Dec. 3.

Bradshaw, John R., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Bulk cement conveyance. 2,412,121; Dec. 3.

Bramley, Sylvanus W., White Plains, N. Y. Clock winding mechanism. 2,412,077; Dec. 3.

Breckenridge, Frank, and L. R. Boyd, Mansfield, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus. 2,412,078; Dec. 3.

Brennan, Joseph B., assignee: *See*— Moynihan, John J.

Brenner, Bert, Union, N. J. Industrial diamond tool and producing same. 2,411,867; Dec. 3.

Briggs Manufacturing Company, assignee: *See*— Vigmostad, Trygve, and Juul.

Bristol Company, The, assignee: *See*— Cowherd, Robert D.

Brown, Graham B., Washington, D. C. Parachute. 2,411,868; Dec. 3.

Brown, William C., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,411,953; Dec. 3.

Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,411,984; Dec. 3.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Addition rearrangement products of thiocyanic acid and cyclopentadiene-olefinic adducts. 2,411,869; Dec. 3.

Brustowsky, Morris, Brooklyn, N. Y., assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,412,079; Dec. 3.

Budd Company, The, assignee: *See*— Ridgway, Edmund T.

Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of polyunsaturated esters with polythiols and products produced thereby. 2,411,954; Dec. 3.

Cabot, Godfrey L., Inc., assignee: *See*— Sherwood, Thomas K.

Cahen, Paul, Rio de Janeiro, Brazil. Burr remover. 2,411,985; Dec. 3.

Campbell, Thomas D., Hardin, Mont. Endless track for vehicles. 2,412,122; Dec. 3.

Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Neon lamp volume indicator. 2,411,848; Dec. 3.

Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Magnetic recorder head. 2,411,849; Dec. 3.

Canfield, Robert W.: *See*— Wiley, Fred E., Canfield, Jesionowski, and Bailey.

Caratozzolo, Dominick B., Bronx, N. Y. Shoe. 2,411,850; Dec. 3.

Carlson, Carl F., assignee: *See*— Glantvalley, Lawton D.

Carnegie-Illinois Steel Corporation, assignee: *See*— Muddiman, Earll R.

Carpenter, Rupert E. H., South Croydon, England. Electromagnetic device. 2,412,123; Dec. 3.

Carpenter, Victor W.: *See*— Gifford, Carl E., and Cook.

Carter Carburetor Corporation, assignee: *See*— Weakley, John F.

Carter, William R., assignor to Electric Machinery Manufacturing Company, Minneapolis, Minn. Voltage regulator. 2,412,124; Dec. 3.

Caserta, Michele, Detroit, Mich., assignor to Thompson Products, Inc. Apparatus for and method of smoothing pump bores. 2,411,851; Dec. 3.

Chambers, Victor S.: *See*— Whitehouse, Irving, and Chambers.

Chauvet, Albert L., Piedmont, Calif. Universal sextant. 2,411,870; Dec. 3.

Clauss, Julius A.: *See*— Glush, Daniel P., and Clauss.

Cleveland Pneumatic Tool Company, The, assignee: *See*— Van Sittert, Paul.

Clifford, Thomas W.: *See*— Taylor, Mark H., and Clifford.

Colbert, William H., Brackenridge, Pa., and W. L. Morgan, Columbus, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Making colored mirrors. 2,411,955; Dec. 3.

Collins & Aikman Corporation, assignee: *See*— Conrad, John E.

Comfy Manufacturing Company, The, assignee: *See*— Waranch, Theodore.

Commercial Solvents Corporation, assignee: *See*— Baker, Philip J., Jr.

Conrad, John E., Bala-Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Article and treatment of casein fibers. 2,412,125; Dec. 3.

Conrad, John E., Alton, Ill., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Treatment of casein fibers. 2,412,126; Dec. 3.

Continental Can Company, Inc., assignee: *See*— Coyle, John. England, Isaac W., and Punte. Fink, Henry A. Fink, Henry A., and Bloser. Kronquest, Alfred L. Mero, Ralph M., and Treff. Minaker, Herbert L. O'Brien, Frank J. O'Neil, James H. Seigh, Joseph W.

Cook, Lowell L.: *See*— Gifford, Carl E., and Cook.

Cooke, Ernest A., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Linear dimension gauge. 2,412,127; Dec. 3.

Cowherd, Robert D., Metairie, La., assignor to The Bristol Company, Waterbury, Conn. Liquid-gas-phase control. 2,411,986; Dec. 3.

Coyle, John, Baltimore, Md., assignor to Continental Can Company, Inc., New York, N. Y. Deodorant can. 2,412,128; Dec. 3.

Crawford, Eliot G., Stonington, Conn., assignor to William Triant, Arlington, Mass. Textile spindle. 2,412,129; Dec. 3.

Crompton & Knowles Loom Works, assignee: *See*— Wakefield, Walter H.

Crosby, Bernard L., Seattle, Wash. Tire prerotating device. 2,412,033; Dec. 3.

Crouch, Joel E., State College, Pa. Astronomical device. 2,412,130; Dec. 3.

Culmer, Thaddeus W., Robinson, Ill., assignor to The Ohio Oil Company, Findlay, Ohio. Cutting oil. 2,412,131; Dec. 3.

Cunningham, Robert C., San Francisco, Calif. Welding apparatus. 2,412,080; Dec. 3.

Dailey, Manvel C.: *See*— King, George D., and Dailey.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Synthetic compositions and products having molecularly oriented structure. 2,412,034; Dec. 3.

D'Antonio, Frank, San Francisco, Calif. Identification button. 2,411,987; Dec. 3.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,411,956; Dec. 3.

Davidson Manufacturing Corporation, assignee: *See*— Dell, Edward F.

Davis, Harold S.: *See*— Morley, Charles E., and Davis.

Day-Brite Lighting, Inc., assignee: *See*— Biller, David J.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esteramides. 2,411,957; Dec. 3.

Delaware Engineering Corporation, assignee: *See*— Moore, William E.

Dell, Edward F., Chicago, Ill., assignor to Davidson Manufacturing Corporation. Printing press. 2,412,132; Dec. 3.

Dellinger Manufacturing Company, assignee: *See*— Sensenig, Miles L.

De Westfelt, Gerard, New York, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Servo system. 2,411,871; Dec. 3.

Dietrich, Melvin A., Claymont, Del., and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying petroleum products. 2,411,958; Dec. 3.

Dietrich, Melvin A., Claymont, Del., and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying petroleum products. 2,411,959; Dec. 3.

Domine, Leo, Detroit, Mich. Bumper. 2,411,852; Dec. 3.

Dornak, Henry J., Houston, Tex. Aircraft landing signal device. 2,412,035; Dec. 3.

Doyle, Collin M., Salem, Ohio, assignor to The Salem Engineering Company. Drier. 2,412,133; Dec. 3.

Drieschman, Donald F., San Carlos, G. Shepherd, Burlingame, M. Rabinawitz, San Francisco, A. M. Newhall, Jr., Palo Alto, and H. E. Sorg, Redwood City, assignors to Eitel-McCullough Inc., San Bruno, Calif. Grid making machine. 2,411,988; Dec. 3.

Droll, Joseph W., Wilmette, Ill. Electrode joint. 2,412,081; Dec. 3.

Dunham, Henry V., Bainbridge, assignor to The Borden Company, New York, N. Y. Paper coating. 2,411,989; Dec. 3.

Du Pont, E. I. de Nemours & Company, assignee: *See*— Burke, William J. Dietrich, Melvin A., and Pedersen. Ellingboe, Ellsworth K. Freed, William V. Hershberger, Albert. McClellan, William R. Theobald, Clement W.

Dyer, John B., Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,411,960; Dec. 3.

Edison, Thomas A., Incorporated, assignee: *See*— Kelly, Frederick G.

Edmundson, William C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Brush holder for dynamoelectric machines. 2,411,990; Dec. 3.

Eitel-McCullough Inc., assignee: *See*— Drieschman, Donald F., Shepherd, Rabinawitz, Newhall, and Sorg.

Eksergian, Carolus L., Detroit, Mich., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Projectile. 2,412,134; Dec. 3.

Electric Machinery Manufacturing Company, assignee: *See*— Carter, William R.

Ellingboe, Ellsworth K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiolacetic acid. 2,412,036; Dec. 3.

Emsco Derrick & Equipment Company, assignee: *See*— Walters, William D.

England, Isaac W., Passaic, N. J., and W. F. Punte, Syracuse, assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for interiorly inspecting opaque containers. 2,411,991; Dec. 3.

Erie Mining Company, assignee: *See*— Firth, Charles V.

Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,412,135; Dec. 3.

Evans, Louis P., Woodbury, and F. E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for hydrocarbon conversion. 2,412,136; Dec. 3.

Evans, Theodore W., Oakland, W. E. Vaughan, and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyzed abnormal addition reactions. 2,411,961; Dec. 3.

Ex-Cell-O Corporation, assignee: *See*—
Freisen, Edward C.
Mathys, Max A.

Farnsworth Television and Radio Corporation, assignee: *See*—
Hallmark, Clyde E.
Kibler, Paul J.
Mayle, Louis F.
Schantz Joseph D.

Feldman, Carl B. H., Rumson, N. J., and G. E. Mueller, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave directive antenna. 2,411,872; Dec. 3.

Ferrell, Landon W., Knoxville, Tenn. Water control for spigots, etc. 2,412,037; Dec. 3.

Finch, James L., East Rockaway, N. Y., assignor to Radio Corporation of America. Photo radio signaling by frequency. 2,411,853; Dec. 3.

Fink, Henry A., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Crown cap conveying system. 2,412,137; Dec. 3.

Fink, Henry A., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for spraying crown caps. 2,412,138; Dec. 3.

Fink, Henry A., and B. S. Bloser, assignors to Continental Can Company, Inc., New York, N. Y. Apparatus for lacquer coating side seams of can bodies. 2,412,139; Dec. 3.

Firth, Charles V., Minneapolis, assignor, by mesne assignments, to Erie Mining Company, Hibbing, Minn. Molding balls. 2,411,873; Dec. 3.

Fischer, Albert L., New York, assignor of fifty per cent to B. Winkels, Whitestone, N. Y. Compound to improve the durability of leather and leather soles. 2,412,140: Dec. 3.

Food Machinery Corporation, assignee: *See*—
Holmes, Herbert G.

Ford, Asa J., Kansas City, Kans. Mechanical grinding stone. 2,412,141; Dec. 3.

Freed, William V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and production of vinyl esters. 2,411,962; Dec. 3.

Freisen, Edward C., assignor to Ex-Cell-O Corporation, Detroit, Mich. Retractable tool holding means. 2,412,038; Dec. 3.

French, Henry C.: *See*—
Kuehlman, Norman V., and French.

Fridén, John H., Maplewood, assignor to Newark Engineering Company, Hillside, N. J. Article conveyer. 2,411,854; Dec. 3.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Frequency modulation receiving apparatus. 2,412,039; Dec. 3.

Gabriel, Paul P., Bridgeport, Conn. Cutting oil. 2,412,082; Dec. 3.

Gall, Carl, and F. J. Prucha, Omaha, Nebr., asignors to American Smelting and Refining Company, New York, N. Y. Rotating table casting apparatus. 2,412,040; Dec. 3.

Galvin Manufacturing Corporation, assignee: *See*—
Holthouse, Harry B.

General Aniline & Film Corporation, assignee: *See*—
Bavely, Abraham.

General Electric Company, assignee: *See*—
Alexanderson, Ernst F. W.
Baldwin, Charles F.
D'Alelio, Gaetano F.
Fyler, George W.
Harrington, Richards H.
Hoare, Stephen C.
Leeds, Laurance M.
Longfellow, Richard C.
Meahl, Harry R.
Moe, Robert E.
Patterson, Franklin G.
Rosentreter, Ernest W.
Warner, Donald F., and Auyer.

General Motors Corporation, assignee: *See*—
Appel, Walter D.
Arthur, James L., and Williams.
Dyer, John B.
Edmundson, William C.
Paton, Clyde R.
Rataiczak, Francis I.
Smith, Robert F.

George, Roscoe H., West Lafayette, Ind., assignor to Radio Corporation of America. Signal receiver circuit. 2,411,963; Dec. 3.

Getchell, Benjamin E., Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company. Thermostatic switch. 2,412,142; Dec. 3.

Giantvalley, Lawton D., assignor of one-half to C. F. Carlson, Oakland, Calif. Stinger. 2,412,083; Dec. 3.

Gieske, Joseph H., St. Paul, assignor, by mesne assignments, to N. C. Smith, Minneapolis, Minn. Protractor. 2,412,084; Dec. 3.

Gifford, Carl E., Zanesville, V. W. Carpenter, Franklin, and L. L. Cook, Zanesville, assignors to The American Rolling Mill Company, Middletown, Ohio. Flattening silicon steel sheets. 2,412,041; Dec. 3.

Girdler Corporation, The, assignee: *See*—
Zottu, Paul D.

Glush, Daniel P., and J. A. Clauss, Detroit, Mich., assignors to National Steel Corporation. Sheet stacker. 2,412,085; Dec. 3.

Golden, Milton E., Chicago, Ill. Making hollow flexible boots. 2,411,874; Dec. 3.

Goodrich, B. F., Company, The, assignee: *See*—
Gresham, Thomas L., and Shaver.
Hollerith, Charles.
Semegen, Stephen T.

Gorin, Manuel H., and W. Swerdloff, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separation and recovery of soluble catalyst in hydrocarbon conversion reactions. 2,412,143; Dec. 3.

Gottschalk, Emil, New York, N. Y. Making rubber footwear. 2,412,042; Dec. 3.

Graff, Stanley F., Minneapolis, Minn. Work table for shoe sole stitching machines. 2,411,855; Dec. 3.

Grass, Henry G., Dinuba, Calif. Automatic sprayer. 2,411,964; Dec. 3.

Green, Clarence J., Worcester, Mass., assignor to Norton Company. Cam grinding machine. 2,412,144; Dec. 3.

Grene, George H. S., assignor of one-half to Wild-Barfield Electric Furnaces Limited, Watford, England. Metallurgical furnace. 2,412,145; Dec. 3.

Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Beta-halo acyl halides. 2,411,875; Dec. 3.

Griffin, Joseph F., Hammond, Ind., and E. Rawson, Chicago, Ill., assignors to The Superheater Company, New York, N. Y. Suction strainer provided with a sediment chamber. 2,412,043; Dec. 3.

Grosse, Aristid V., Bronxville, N. Y., and C. B. Linn, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of paraffin hydrocarbons. 2,411,992; Dec. 3.

Halliburton Oil Well Cementing Company, assignee: *See*—
Bradshaw, John R.

Hallmark, Clyde E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Image dissector tube. 2,412,086; Dec. 3.

Hansen, Hans H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Welding pressure controlling apparatus. 2,412,044; Dec. 3.

Hansen, Odd A., Kenmore, assignor to The Linde Air Products Company, New York, N. Y. Transport vehicle for liquefied gas. 2,412,146; Dec. 3.

Hansen, William W., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Phase angle indicator. 2,411,876; Dec. 3.

Harding, James W., Marysville, Calif. Foldable gambrel. 2,411,856; Dec. 3.

Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Zinc base alloy containing copper and beryllium and heat-treating the same. 2,412,045; Dec. 3.

Harriss, Lloyd J., Kenilworth, Ill. Method and apparatus for making pies. 2,411,857; Dec. 3.

Hartung, Charles F., San Marino, Calif. Golf club cart. 2,411,965; Dec. 3.

Harvey, Robert L., Princeton, N. J., assignor to Radio Corporation of America. Tuning apparatus. 2,411,858; Dec. 3.

Harwood, Ralph R., Detroit, Mich. Welding electrode construction. 2,411,859; Dec. 3.

Hauser, Edward: *See*—
Jackson, Maurice M., and Hauser.

Hayes, Stanley W., assignor to Hayes Track Appliance Compnay, Richmond, Ind. Templet. 2,412,147; Dec. 3.

Hayes Track Appliance Company, assignee: *See*—
Hayes, Stanley W.

Heberlein Patent Corporation, assignee: *See*—
Hentrich, Winfrid, and Hueter.

Heil Co., The, assignee: *See*—
Kuehlman, Norman V., and French.

Heizer, Edward J., West Caldwell, assignor to Specialties Development Corporation, Bloomfield, N. J. Gun charger. 2,411,877; Dec. 3.

Hentrich, Winfrid, Rodleben, near Dessau-Rosslau, Anhalt, and R. Hueter, Dessau-Rosslau, Anhalt, Germany, assignors, by mesne assignments, to Heberlein Patent Corporation, New York, N. Y. Rendering textiles, fibers, and the like water-repellent. 2,411,860; Dec. 3.

Herbert, Theotiate N., Merion, Pa. Foot covering. 2,412,087; Dec. 3.

Hercules Powder Company, assignee: *See*—
Spiller, George.

Hershberger, Albert, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composite film and method. 2,411,878; Dec. 3.

Hershberger, Albert, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fuel barrier. 2,412,148; Dec. 3.

Higgins, John H., Newport, R. I. Corn kernel cutter. 2,412,149; Dec. 3.

Hill, Nikolai, New York, N. Y. Mop holder. 2,412,150; Dec. 3.

Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Resonant circuit saturable core measurement apparatus. 2,412,046; Dec. 3.

Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combination broiler and server for domestic ranges. 2,411,993; Dec. 3.

Hoe, R., & Co., Inc., assignee: *See*—
Huck, William F.

Hoesel, Anthony F., assignor to Peerless of America Inc., Chicago, Ill. Vapor heating system. 2,412,168; Dec. 3.

Hoffman, Nathan, assignor to Products Development, Inc., Chicago, Ill. Hair waving cap. 2,411,994; Dec. 3.

Hoffmann-La Roche Inc., assignee: *See*—
Karrer, Paul, and Isler.

Hogan, Ray E., Ardmore, Okla. Elevating platform apparatus. 2,411,966; Dec. 3.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake structure. 2,411,920; Dec. 3.

Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Headlight tester. 2,411,879; Dec. 3.

Holmes, Lawrence, Jr., Los Angeles, Calif. Aerial projectile. 2,412,151; Dec. 3.

Holthouse, Harry B., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Unit heater. 2,412,088; Dec. 3.

Hubbard Spool Company, assignee: *See*—
Powell, Edward W.

Huck, William F., Forest Hills, assignor to R. Hoe & Co., Inc., New York, N. Y. Web feeding and slitting mechanism. 2,412,047; Dec. 3.

Hueter, Richard: *See*—
Hentrich, Winfrid, and Hueter.

Huff, Lyman C., assignor to Universal Products Company, Chicago, Ill. Contacting finely divided solid particles with fluids. 2,412,152; Dec. 3.

Huzenlaub, Erich G., Brentford, England. Enriching cereal grains with natural vitamins. 2,412,153; Dec. 3.

Hydraulic Development Corp., Inc., The, assignee: *See*—
MacMillin, Howard F., and Pocock.

Industrial Patents Corporation, assignee: *See*—
Young, Harland H., and Rubenstein.

International Nickel Company, Inc., The, assignee: *See*—
Pfeil, Leonard B.

International Smelting & Refining Company, assignee: *See*—
Shropshire, William W.

Ipatieff, Vladimir N.: *See*—
Schmerling, Louis, and Ipatieff.

Iron Fireman Manufacturing Company, assignee: *See*—
Wright, Richard C.

Isbister, Eric J.: *See*—
Antony, Charles, Jr., and Isbister.

Isler, Otto: *See*—
Karrer, Paul, and Isler.

Jack & Heintz Precision Industries, assignee: *See*—
Mitchell, Louis J.

Jackson, Horace G., U. S. Navy. Sailmaker's palm. 2,411,880; Dec. 3.

Jackson, Maurice M., and E. Hauser, assignors to The Vienna Model Bakery, Inc., Chicago, Ill. Bread and making the same. 2,412,154; Dec. 3.

Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Clamp for master sheets of printing machines. 2,411,881; Dec. 3.

Jesionowski, Raymond S.: *See*—
Wiley, Fred E., Canfield, Jesionowski, and Bailey.

Jessen, Preben, North Bergen, N. J. Device for unloading packaged merchandise. 2,412,155; Dec. 3.

Jupin, John and S., Newark, N. J. Key case. 2,411,995; Dec. 3.

Jupin, Sophie: *See*—
Jupin, John and S.

Juul, Soren N.: *See*—
Vigmostad, Trygve, and Juul.

Kaplan, Joseph, Brooklyn, N. Y. Grinding small holed bushings. 2,412,048; Dec. 3.

Karrer, Paul, Zurich, and O. Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Dl-Tocopherols and manufacture of same. 2,411,967; Dec. 3.

Karrer, Paul, Zurich, and O. Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of synthetic Dl-Tocopherols. 2,411,968; Dec. 3.

Karrer, Paul, Zurich, and O. Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparation of synthetic Dl-Tocopherols. 2,411,969; Dec. 3.

Karrer, Paul, Zurich, and O. Isler, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 7, 8-Dimethyl Tocol and preparation of the same. **2,411,970; Dec. 3.**

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion. 2,411,996; Dec. 3.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Kellogg, Spencer, and Sons, Inc., assignee: *See*—
Schwarcman, Alexander.

Kelly Foundry and Machine Company, assignee: *See*—
Kelly, John F., and W. J.

Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Meter. 2,411,997; Dec. 3.

Kelly, John F. and W. J., assignors to Kelly Foundry and Machine Company, Elkins, W. Va. Making molds. 2,411,998; Dec. 3.

Kelly, Thomas C., Hinsdale, Ill. Bottle wadding machine and method. 2,412,089; Dec. 3.

Kelly, William J.: *See*—
Kelly, John F. and W. J.

Kennedy, Harry E., Berkeley, Calif., assignor to The Linde Air Products Company. Welding transformer. 2,411,921; Dec. 3.

Kerr, Wallace E., Youngstown, Ohio. Stock feeding apparatus for drawing machines. 2,412,049; Dec. 3.

Kibler, Paul J., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Turnstile antenna. 2,412,090; Dec. 3.

Kiesling, Le Roy H., Brooklyn, N. Y. Elevator system. 2,411,882; Dec. 3.

Kile, Waymon R., Cartersville, Ga. Skip stitch tufting machine. 2,411,883; Dec. 3.

King, George D., Chicago, and M. C. Dailey, Elmhurst, Ill., assignors to United States Gypsum Company. Retarder. 2,412,156; Dec. 3.

King, John H.: *See*—
Bostwick, Lee G., and King.

King & Lang, Inc, assignee: *See*—
King, Robert J., and Thielcke.

King, Robert J., New Canaan, and G. W. Thielcke, Norwalk, assignors to King & Lang, Inc., South Norwalk, Conn. Plasticizing rubber. 2,411,884; Dec. 3.

Koehane, Katherine, Jackson Heights, N. Y. Snow and rain protector garment. 2,411,922; Dec. 3.

Kotraba, Joseph C., Chicago, Ill. Combined toothbrush holder and tooth paste dispenser. 2,411,923; Dec. 3.

Kraft, Guillermo, Limitada Sociedad Anonima de Impressiones Generales, assignee: *See*—
Yzetta, Ernesto N.

Kratzer, Blair S., Williamsport, Pa., assignor to The Aviation Corporation, New York, N. Y. Cylinder structure for engines. 2,411,924; Dec. 3.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Overload release means. 2,412,157; Dec. 3.

Kubat, Emil S., Owatonna, Minn. Roost for fowls. 2,412,091; Dec. 3.

Kuehlman, Norman V., Milwaukee, and H. C. French, Elm Grove, assignors to The Heil Co., Milwaukee, Wis. Airplane loading and service vehicle. 2,412,158; Dec. 3.

Larison Compensating Axle Corporation, assignee: *See*—
Larison, Glenn L.

Larison, Glenn L., La Grande, Oreg., assignor to Larison Compensating Axle Corporation. Equalizing suspension for vehicles. 2,411,885; Dec. 3.

Lawrence, Bert F. and E. E., Oregon City, Oreg. Ice cream disher. 2,412,050; Dec. 3.

Lawrence, Emma E.: *See*—
Lawrence, Bert F. and E. E.

Lawrence, Ray V., Lake City, Fla., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America and to his successors in office. Refining oleoresin. 2,411,925; Dec. 3.

Ledwith, Walter A., assignor to United States Aircraft Corporation, East Hartford, Conn. Piston construction. 2,411,886; Dec. 3.

Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Power plant construction. 2,411,887; Dec. 3.

Lee, Bernard F., Framingham, assignor to J. Sandler, Brookline, Mass. Moccasin blank. 2,412,051; Dec. 3.

Leeds, Laurance M., Rotterdam Junction, N. Y., assignor to General Electric Company. Directional radio system. 2,412,159; Dec. 3.

Lester Engineering Company, assignee: *See*—
Lester, Nathan.

Lester, Nathan, Cleveland Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Pressure extrusion molding. 2,411,999; Dec. 3.

Lewis, Warren J., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector mounting means. 2,412,052; Dec. 3.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Colbert, William H., and Morgan.

Lindblom, Lawrence J., San Francisco, Calif. Boat loading device. 2,412,162; Dec. 3.

Linde Air Products Company, The, assignee: *See*—
Hansen, Odd A.
Kennedy, Harry E.

Linick, Edward: *See*—
Linick, Max and E.

Linick, Max and E., New York, N. Y. Mitten. 2,411,926; Dec. 3.

Link-Belt Company, assignee: *See*—
Suman, Robert W.

Linn, Carl B.: *See*—
Grosse, Aristid V., and Linn.

Lion Oil Company, assignee: *See*—
Odell, William W.

Long, John A., Cambridge, and W. F. Wolfner II, Methuen, assignors to Photoswitch Incorporated, Cambridge, Mass. Multiple response supervisory system. 2,411,888; Dec. 3.

Longfellow, Richard C., Schenectady, N. Y., assignor to General Electric Company. Directive radio system. 2,412,160; Dec. 3.

Lucien, René, Farnham Common, England, assignor to Societe d'Inventions Aeronautiques et Mechaniques S. I. A. M., Fribourg, Switzerland. Hydraulic remote control device. 2,412,053; Dec. 3.

Luke, Jack, Toronto, Ontario, Canada. Lace cutter. 2,411,927; Dec. 3.

Lundborg, Carl J., Great Falls, Mont. Electric control. 2,412,163; Dec. 3.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,411,928; Dec. 3.

MacLachlan, Archibald, Chicago, Ill. Step adjustable wrist band. 2,412,164; Dec. 3.

MacMillan, Douglas: *See*—
Vinton, John, and MacMillan.

MacMillan, Howard F., Mount Gilead, and P. C. Pocock, Marion, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Extrusion machine. 2,411,971; Dec. 3.

Malke, Sven, assignor to A. O. Smith Corporation, Milwaukee, Wis. Rotary compressor. 2,411,929; Dec. 3.

Mathys, Max A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Relief valve. 2,411,930; Dec. 3.

Mayle, Louis F., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Electronic timer. 2,412,092; Dec. 3.

McClellan, William R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nylon filaments. 2,412,054; Dec. 3.

McCoy, George E.: *See*—
Bartley, Edwin R., and McCoy.

McDermott, Eugene, Dallas County, Tex. Submarine detecting method and apparatus. 2,412,165; Dec. 3.

McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Guide mechanism. 2,411,889; Dec. 3.

McVey, Gerald E., Columbus, Ohio. Torque gauge. 2,411,931; Dec. 3.

Meahl, Harry R., Schenectady, N. Y., assignor to General Electric Company. Attenuator for ultra high frequency systems. 2,412,055; Dec. 3.

Melin, William, Grand Rapids, Mich. Centerless grinding machine. 2,411,972; Dec. 3.

Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing. 2,411,973; Dec. 3.

Mero, Ralph M., and A. Treff, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Machine for electric welding can bodies. 2,412,166; Dec. 3.

Miller, Louis G., and W. H. Statler, Bethlehem, Pa., assignors to Bethlehem Steel Company. Car brake. 2,411,974; Dec. 3.

Minaker, Herbert L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Vacuumizing and gassing filled containers. 2,412,167; Dec. 3.

Miner, W. H., Inc., assignee: *See*—
Dath, George W.

Mininberg, Nathan D., New York, N. Y. Therapeutic-oscillation applicator. 2,412,093; Dec. 3.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Stephens, Henry N.

Mitchell, Louis J., assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Bolt ejector for thread rollers. 2,411,932; Dec. 3.

Modesto Manufacturing Co., assignee: *See*—
Toti, Andrew J., and Snowden.

Moe, Robert E., Bridgeport, Conn., assignor to General Electric Company. Saw-tooth wave generator. 2,412,064; Dec. 3.

Montgomery Ward & Co., Inc., assignee: *See*—
Muerle, Richard W.

Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Electric arc furnace. 2,412,000; Dec. 3.

Morgan, Willard L.: *See*—
Colbert, William H., and Morgan.

Morley, Charles E., and H. S. Davis, Detroit, Mich. Goggles. 2,411,933; Dec. 3.

Mosch, Alfred, New York, N. Y. Utensil holder. 2,412,056; Dec. 3.

Moynihan, John J., Rochester, N. Y., assignor of one-half to J. B. Brennan, Cleveland, Ohio. Signal device. 2,412,094; Dec. 3.

Muddiman, Earll R., Wilkinsburg, Pa., assignor to Carnegie-Illinois Steel Corporation. Sheet handling mechanism. 2,412,001; Dec. 3.

Mueller, George E.: *See*—
Feldman, Carl B. H., and Mueller.

Muerle, Richard W., Springfield, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Pressure switch. 2,412,095; Dec. 3.

National Broach & Machine Company, assignee: *See*—
Mentley, Max B.

National Steel Corporation, assignee: *See*—
Glush, Daniel P., and Clauss.

Naugler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun charging mechanism. 2,411,934; Dec. 3.

Nelson, George D., Los Angeles, Calif. Pencil-like implement. 2,411,975; Dec. 3.

Nelson, Walter N., Fargo, N. D., and L. A. Pazandak, Minneapolis, Minn., assignors to Newday Seeds Inc., Fargo, N. D. Seed stripper. 2,412,002; Dec. 3.

Neufeld, Jacob, Tulsa, Okla. Navigational method and apparatus. 2,412,003; Dec. 3.

Newark Engineering Company, assignee: *See*—
Fridén, John H.

Newday Seeds Inc., assignee: *See*—
Nelson, Walter N., and Pazandak.

Newhall, Almer M., Jr.: *See*—
Drieschman, Donald F., Sheperd, Rabinawitz, Newhall, and Sorg.

Nichols, Charles W., West Orange, N. J., assignor to C. W. Nichols, Jr., New York, N. Y. Furnace construction. 2,412,057; Dec. 3.

Nichols, Charles W., Jr., assignee: *See*—
Nichols, Charles W.

Norton Company, assignee: *See*—
Green, Clarence J.

O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Threaded closure for paper containers. 2,412,004; Dec. 3.

Odell, William W., El Dorado, Ark., assignor to Lion Oil Company. Treating hydrocarbons. 2,412,096; Dec. 3.

O'Farrell, Frank J., Burbank, Calif. Signal lamp. 2,411,935; Dec. 3.

Ohio Brass Company, The, assignee: *See*—
Lewis, Warren J.

Ohio Oil Company, The, assignee: *See*—
Culmer, Thaddeus W.

O'Neil, James H., assignor to Continental Can Company, Inc., Syracuse, N. Y. Vacuumized can closure. 2,412,169; Dec. 3.

O'Sullivan, Eugene D., assignee: *See*—
Shaffer, Owen S.

Owens, Freeman H., New York, N. Y. Program preselecting and control apparatus. 2,411,890; Dec. 3.

Owens, Freeman H., New York, N. Y. Radio control apparatus. 2,411,891; Dec. 3.

Parsons, Gertrude M., Wausau, Wis. Combined bed and crib. 2,412,005; Dec. 3.

Paton, Clyde R., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Cooling system. 2,411,936; Dec. 3.

Patterson, Franklin G., Schenectady, N. Y., assignor to General Electric Company. Transmission system. 2,412,161; Dec. 3.

Pazandak, Louis A.: *See*—
Nelson, Walter N., and Pazandak.

Pedersen, Charles J.: *See*—
Dietrich, Melvin A., and Pedersen.

Pedersen, Morris, San Francisco, Calif. Clutch mechanism. 2,412,006; Dec. 3.

Peerless of America Inc., assignee: *See*—
Hoesel, Anthony F.

Peter, John P. C., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Making gypsum cement. 2,412,170; Dec. 3.

Peters, Gerhard W., Akron, Ohio. Circuit breaker with magnetic arc extinguishing means. 2,411,892; Dec. 3.

Peters, Gerhard W., Akron, Ohio. Controlling arcs. 2,411,893; Dec. 3.

Peters, Gerhard W., Akron, Ohio. Arc extinguishing chamber for circuit breakers. 2,411,894; Dec. 3.

Peterson, Donald W., Princeton, N. J., assignor to Radio Corporation of America. Broad band radiator. 2,411,976; Dec. 3.

Petrolite Corporation, assignee: *See*—
De Groote, Melvin, and Keiser.

Petry, John, Bayside, Long Island, assignor to Raylite Electric Corp., Bronx, N. Y. Device for producing ornamental and decorative bubble lighting effects. 2,412,171; Dec. 3.

Pettit, Earl L., Winfield, Kans. Garment finisher. 2,412,172; Dec. 3.

Pfeil, Leonard B., Edgbaston, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Electrolytic polishing and removing excess metal. 2,412,058; Dec. 3.

Phillips Petroleum Company, assignee: *See*—
Rippeteau, Walter L., Jr.

Photoswitch Incorporated, assignee: *See*—
Long, John A., and Wolfner.

Pierce, John R., Millburn, and W. G. Shepherd, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,411,913; Dec. 3.

Pikul, Joseph H., West Newton, Mass., assignor to The Reece Corporation. Sewing machine. 2,411,977; Dec. 3.

Pinto, Armie A., Highland Park, Mich. Multiple purpose window fixture means. 2,412,059; Dec. 3.

Plapler, Celia, New York, N. Y. Combined hand and shopping bag. 2,412,007; Dec. 3.

Plax Corporation, assignee: *See*—
Wiley, Fred E., Canfield, Jesionowski, and Bailey.

Pocock, Paul C.: *See*—
MacMillin, Howard F., and Pocock.

Poole, David M., Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn. Nozzle control. 2,411,895; Dec. 3.

Pope, Winslow B., Detroit, Mich., assignor, by mesne assignments, to United States of America. Projectiles. 2,412,173; Dec. 3.

Porteu, John H., Wellesley, Mass., assignor to The Baldwin Locomotive Works. Railway truck. 2,411,978; Dec. 3.

Posture Research Corporation, assignee: *See*—
Wood, Glenn D., and Turner.

Powell, Edward W., assignor to Hubbard Spool Company, Chicago, Ill. Reel or beam. 2,411,937; Dec. 3.

Products Development, Inc., assignee: *See*—
Hoffman, Nathan.

Prucha, Frank J.: *See*—
Gall, Carl, and Prucha.

Psalila, John, New York, N. Y. Novelty amusement air ride apparatus. 2,412,060; Dec. 3.

Punte, William F.: *See*—
England, Isaac W., and Punte.

Quidas, Frederick W., New York, N. Y. Combined photograph and word display apparatus for teaching languages. 2,412,061; Dec. 3.

Rabinawitz, Mendel: *See*—
Drieschman, Donald F., Sheperd, Rabinawitz, Newhall, and Sorg.

Radio Corporation of America, assignee: *See*—
Bokeeno, John.
Finch, James L.
George, Roscoe H.
Harvey, Robert L.
Peterson, Donald W.
Sinnett, Chester M.
Wilson, William S.
Woll, Harry J.

Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Ordnance. 2,411,979; Dec. 3.

Ratner, Jacob, Brooklyn, N. Y. Cleaning and polishing compositions. 2,411,938; Dec. 3.

Rawson, Emanuel: *See*—
Griffin, Joseph F., and Rawson.

Ray, Frederick E.: *See*—
Evans, Louis P., and Ray.

Raylite Electric Corp., assignee: *See*—
Petry, John.

Raytheon Manufacturing Company, assignee: *See*—
Brown, William C.

Reece Corporation, The, assignee: *See*—
Pikul, Joseph H.

Regents of the University of Minnesota, assignee: *See*—
Smith, Lee I., and Ungnade.

Reinhardt, Louis W., Brockton, Mass. Last. 2,412,008; Dec. 3.

Reisberg, Benjamin and D. Schwarz, Elmhurst, N. Y. Electric lighting switch. 2,412,062; Dec. 3.

Republic Steel Corporation, assignee: *See*—
Stewart, William M.
Whitehouse, Irving, and Chambers.

Resinous Products & Chemical Company, The, assignee: *See*—
Bruson, Herman A.

Rhoades, Russell G., San Francisco, Calif., assignor to Bechtel Brothers McCone Company. Radiographic inspection method. 2,412,174; Dec. 3.

Richmond, Burnell E., and P. C. Wilbur, assignors to Richmond-Chase Co., San Jose, Calif. Dried fruit packaging. 2,411,896; Dec. 3.

Richmond-Chase Co., assignee: *See*—
Richmond, Burnell E., and Wilbur.

Rickland, Martin, Durban, Natal, Union of South Africa. Apparatus for handling vehicles. 2,412,009; Dec. 3.

Ridgway, Edmund T., Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa. Spot welding. 2,412,175; Dec. 3.

Ringwald, Clarence, Springfield, Ohio. Electrode holder. 2,411,980; Dec. 3.

Rippeteau, Walter L., Jr., Baltimore, Md., assignor to Phillips Petroleum Company. Purification of toluene. 2,412,010; Dec. 3.

Roberts, Dudley: *See*—
Bascom, Roger C., and Roberts.

Roper, Geo. D., Corporation, assignee: *See*—
Hobson, Stanley H.

Rosentreter, Ernest W., Lynn, Mass., assignor to General Electric Company. Saw-tooth wave generator. 2,412,063; Dec. 3.

Rubatex Products, Inc., assignee: *See*—
Bascom, Roger C., and Roberts.

Rubinstein, David: *See*—
Young, Harland H., and Rubinstein.

Rudy, John E., and J. J. Zaleski, Coatesville, Pa. Electric welding with portable flux box. 2,412,065; Dec. 3.

Russell, Theodore, Naugatuck, Conn. Adjustable clothesline fastener. 2,412,097; Dec. 3.

Rust, Frederick F.: *See*—
Vaughan, William E., and Rust.

Sahyun, Melville, Detroit, Mich., assignor, by mesne assignments, to Sterling Drug Inc., Wilmington, Del. Pharmaceutical solution. 2,411,897; Dec. 3.

Salem Engineering Company, The, assignee: *See*—
Doyle, Collin M.

Sanderson, Arthur E., San Pedro, Calif. Garment rack. 2,412,011; Dec. 3.

Sandler, Jacob, assignee: *See*—
Lee, Bernard F.

Saunders Valve Company Limited, assignee: *See*—
Sutton, Frank.

Schantz, Joseph D., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Color television film scanning system. 2,412,098; Dec. 3.

Schelleng, John C., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse generator. 2,411,898; Dec. 3.

Schlumberger Well Surveying Corporation, assignee: *See*—
Aiken, Charles B.

Schmerling, Louis, and V. M. Ipatieff, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of aldehydes and acetals. 2,412,012; Dec. 3.

Schwarcman, Alexander, Buffalo, N. Y., assignor to Spencer Kellogg and Sons, Inc. Treating fatty oils. 2,412,176; Dec. 3.

Schwarcman, Alexander, Buffalo, N. Y., assignor to Spencer Kellogg and Sons, Inc. Drying oil manufacture. 2,412,177; Dec. 3.

Schwarz, David: *See*—
Reisberg, Benjamin, and Schwarz.

Seigh, Joseph W., Teaneck, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Metal stacking container. 2,412,178; Dec. 3.

Semegen, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of acrylic ester polymers. 2,411,899; Dec. 3.

Sender, Leopold, Baltimore, Md., assignor to The Sharples Corporation, Philadelphia, Pa. Centrifugal separating apparatus. 2,412,099; Dec. 3.

Sensenig, Miles L., Lancaster, Pa., assignor to Dellinger Manufacturing Company. Conveyer. 2,412,179; Dec. 3.

Seward, Edgar C., South Arlington, Va. Cargo stop. 2,411,900; Dec. 3.

Shade, Harley O., Martinsburg, W. Va. Coupling for drive rolls. 2,412,013; Dec. 3.

Shaffer, Owen S., assignor of one-half to E. D. O'Sullivan, Omaha, Nebr. Drafting instrument. 2,411,981; Dec. 3.

Sharples Corporation, The, assignee: *See*—
Sender, Leopold.

Shaver, Forrest W.: *See*—
Gresham, Thomas L., and Shaver.

Shear, Walter B., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Shearing apparatus. 2,412,066; Dec. 3.

Shell Development Company, assignee: *See*—
Evans, Theodore W., Vaughan, and Rust.
Vaughan, William E., and Rust.

Shepherd, Gordon: *See*—
Drieschman, Donald F., Shepherd, Rabinawitz, Newhall, and Sorg.

Shepherd, William G.: *See*—
Pierce, John R., and Shepherd.

Sherwin-Williams Company, The, assignee: *See*—
Adams, Richard C.

Sherwood, Thomas K., Wellesley, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of formaldehyde. 2,412,014; Dec. 3.

Shields, Robert A., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. High capacity mine car. 2,411,939; Dec. 3.

Shropshire, William W., Chicago, Ill., assignor to International Smelting & Refining Company, New York, N. Y. Refining zinciferous lead. 2,411,940; Dec. 3.

Silver, Benjamin J., New York, N. Y. Metatarsophalangeal ball cushion. 2,411,901; Dec. 3.

Singer Manufacturing Company, The, assignee: *See*—
Zonis, Sydney.

Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Angle modulated wave reproducing system. 2,412,015; Dec. 3.

Skelly, James J., Cleveland Heights, Ohio. Flexible wall structure. 2,411,902; Dec. 3.

Slocum, Henry M., New York, N. Y. Puzzle. 2,412,180; Dec. 3.

Slonczewski, Thaddeus, Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission characteristic correction. 2,411,903; Dec. 3.

Smith, A. O., Corporation, assignee: *See*—
Malke, Sven.

Smith, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Control of flash welding. 2,412,067; Dec. 3.

Smith, Kenna L., Pascagoula, Miss. Insect exterminator. 2,412,181; Dec. 3.

Smith, Lee I., Minneapolis, Minn., and H. E. Ungnade, Columbia, Mo., assignors to Regents of the University of Minnesota, Minneapolis, Minn. Chemical processes. 2,411,942; Dec. 3.

Smith, Neil C., Minneapolis, Minn. Protractor. 2,412,100; Dec. 3.

Smith, Niel C., assignee: *See*—
Gieske, Joseph H.

Smith, Robert F., assignor to General Motors Corporation, Detroit, Mich. Door lock. 2,411,941; Dec. 3.

Smyers, John L., assignor to Ajax Industrial Supplies, Inc., Fort Wayne, Ind. Machine for piercing wire drawing die units. 2,412,101; Dec. 3.

Snowden, Ward E.: *See*—
Toti, Andrew J., and Snowden.

Societe d'Inventions Aeronautiques et Mechaniques S. I. A. M., assignee: *See*—
Lucien, René.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Evans, Louis P.
Evans, Louis P., and Ray.
Gorin, Manuel H., and Swerdloff.

Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Rubber compositions containing indanol esters. 2,411,943; Dec. 3.

Sorg, Harold E.: *See*—
Drieschman, Donald F., Sheperd, Rabinawitz, Newhall, and Sorg.

Spader, Arthur H., Bergenfield, N. J. Rotary ice cream dispensing cabinet. 2,412,068; Dec. 3.

Specialties Development Corporation, assignee: *See*—
Heizer, Edward J.

Spengler, Walter J., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,412,102; Dec. 3.

Sperry Gyroscope Company, Inc., assignee: *See*—
Antony, Charles, Jr., and Isbister.
Braddon, Frederick.
De Westfelt, Gerard.
Hansen, William W.
Woodyard, John R.

Spiller, George, assignor to Hercules Powder Company, Wilmington, Del. Rosin ester modified dicarboxylic acid-glycol resin. 2,411,904; Dec. 3.

Spooner, William W., Ilkley, England. Air circulator for ovens. 2,412,103; Dec. 3.

Statler, Walter H.: *See*—
Miller, Louis G., and Statler.

Stephens, Henry N., White Bear, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Water dispersed rubber adhesive. 2,411,905; Dec. 3.

Stephens, Henry N., White Bear, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Water-dispersed tacky rubber adhesive. 2,412,182; Dec. 3.

Sterling Drug Inc., assignee: *See*—
Saliyun, Melville.

Stewart-Warner Corporation, assignee: *See*—
Williams, Lynn A., Jr.

Stewart, William M., Birmingham, Ala., assignor to Republic Steel Corporation, Cleveland, Ohio. Sintering iron ore sludge. 2,412,104; Dec. 3.

Stone, Ernest G., Denver, Colo. Livestock marking tool. 2,411,944; Dec. 3.

Submarine Signal Company, assignee: *See*—
Turner, Edwin E., Jr.

Suman, Robert W., Chicago, Ill., assignor to Link-Belt Company. Trolley conveyer. 2,411,906; Dec. 3.

Superheater Company, The, assignee: *See*—
Griffin, Joseph F., and Rawson.

Sutton, Frank, assignor to Saunders Valve Company Limited, Cwmbran, England. Fluid controlling valve. 2,412,105; Dec. 3.

Swartz, Edward, Belmont, Mass. Method of and apparatus for dissolving salt. 2,412,106; Dec. 3.

Swerdloff, Will: *See*—
Gorin, Manuel H., and Swerdloff.

Taborski, Alfred F., Buffalo, N. Y. Necktie. 2,411,907; Dec. 3.

Taborski, Alfred F., Buffalo, N. Y. Bow tie. 2,411,908; Dec. 3.

Talbott, James F., Baltimore, Md. Humidifier for internal-combustion engines. 2,412,016; Dec. 3.

Tannehill, Vernon L., Fort Wayne, Ind. Liquid supply system. 2,412,107; Dec. 3.

Taylor, Mark H., and T. W. Clifford, assignors to Taylor, Taylor & Hobson Limited, Leicester, England. Measuring apparatus. 2,412,017; Dec. 3.

Taylor, Taylor & Hobson Limited, assignee: *See*—
Cooke, Ernest A.
Taylor, Mark H., and Clifford.

Taylor, Walter P., Jr., New York, N. Y. Reading and writing machine. 2,412,183; Dec. 3.

Taylor-Winfield Corporation, The, assignee: *See*—
Hansen, Hans H.
Smith, Clyde E.
Trinks, Willibald.

Temple, Robert, Swissvale, Pa., assignor to Temple Velocity Equipment, Inc., Wilmington, Del. Cable cutter. 2,411,909; Dec. 3.

Temple Velocity Equipment, Inc., assignee: *See*—
Temple, Robert.

Tennessee Corporation, assignee: *See*—
Adams, Clark A.

Theobald, Clement W., Christiana Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making polyhalogenated straight-chain aliphatic carboxylic acid halides. 2,411,982; Dec. 3.

Thielcke, George W.: *See*—
King, Robert J., and Thielcke.

Thompson Products, Inc., assignee: *See*—
Caserta, Michele.

Toti, Andrew J., and W. E. Snowden, Modesto, Calif., assignors, by direct and mesne assignments, to Modesto Manufacturing Co. Fowl picker. 2,412,108; Dec. 3.

Treff, Alfred: *See*—
Mero, Ralph M., and Treff.

Triant, William, assignee: *See*—
Crawford, Elliot G.

Trinks, Willibald, Pittsburgh, Pa., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Driving means for roller electrodes and the like. 2,412,069; Dec. 3.

Trotter, John C., Burlington, Vt., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Gun and sight mounting. 2,412,109; Dec. 3.

Trumbull Electric Manufacturing Company, The, assignee: *See*—
Getchell, Benjamin E.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Signaling system. 2,412,910; Dec. 3.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Magnetostriction oscillator. 2,411,911; Dec. 3.

Turner, Fred L.: *See*—
Wood, Glenn D., and Turner.

Ulinski, Bronislaus, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn Pallet. 2,412,184; Dec. 3.

Ungnade, Herbert E.: *See*—
Smith, Lee I., and Ungnade.

United Aircraft Corporation, assignee: *See*—
Ledwith, Walter A.
Poole, David M.

United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.

United Shoe Machinery Corporation, assignee: *See*—
Naugler, Walter E.

United States of America, assignee: *See*—
Pope, Winslow B.

United States Gypsum Company, assignee: *See*—
King, George D., and Dailey.

U. S. Slicing Machine Company, assignee: *See*—
Brustowsky, Morris.

Universal Oil Products Company, assignee: *See*—
Grosse, Aristid V., and Linn.
Kassel, Louis S.
Schmerling, Louis, and Ipatieff.
Zimmerman, Gordon B.

Universal Products Company, assignee: *See*—
Huff, Lyman C.

Vance, Robert L., Weehawken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,411,912; Dec. 3.

Van Sittert, Paul, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,411,914; Dec. 3.

Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyzed abnormal addition reactions. 2,411,983; Dec. 3.

Vaughn, William E.: *See*—
Evans, Theodore W., Vaughan, and Rust.

Vienna Model Bakery, Inc., The, assignee: *See*—
Jackson, Maurice M.

Vigmostad, Trygve, and S. N. Juul, assignors to Briggs Manufacturing Company, Detroit, Mich. Vehicle body. 2,411,945; Dec. 3.

Vinton, John, San Francisco, and D. MacMillan, Berkeley, Calif. Railroad fusee. 2,412,018; Dec. 3.

Vogel, Max, Bridgeport, Conn. Container for cigarette packages or the like. 2,411,946; Dec. 3.

Wagner, Walter C., Ardmore, Pa. Secondary meter for primary energy. 2,412,070; Dec. 3.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reversible bobbin receiving bag. 2,411,947; Dec. 3.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Mounting for bobbin receivers for weft replenishing looms. 2,411,948; Dec. 3.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spent bobbin receiver for looms. 2,411,949; Dec. 3.

Walker, Brooks, Arlington, Va. War vehicle fuel tank. 2,412,019; Dec. 3.

Walters, William D., Garden Villas, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Working platform arrangement for portable derricks 2,412,020; Dec. 3.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Eksergian, Carolus L.

Waranch, Theodore, assignor to The Comfy Manufacturing Company, Baltimore, Md. Slip cover. 2,411,915; Dec. 3.

Warner, Donald F., and E. L. Auyer, Swampscot, Mass., assignors to General Electric Company. Cabin supercharging means having automatic pressure and temperature control means. 2,412,071; Dec. 3.

Weakley, John F., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor throttle control. 2,412,021; Dec. 3.

Weber, Carl, New York, N. Y. Encasing driven piling. 2,412,185; Dec. 3.

Western Electric Company, Incorporated, assignee: *See*—
Shear, Walter B.

Westinghouse Electric Corporation, assignee: *See*—
Breckenridge, Frank, and Boyd.

Whitehouse, Irving, South Euclid, and V. S. Chambers, Cleveland, Ohio, assignors to Republic Steel Corporation. Bright polishing stainless steel tubes. 2,412,186; Dec. 3.

Whitmore, Glenn M., Oakland, Calif. Welding device. 2,412,022; Dec. 3.

Wilbur, Paul C.: *See*—
Richmond, Burnell E., and Wilbur.

Wild-Barfield Electric Furnaces Limited, assignee: *See*—
Grene, George H. S.

Wiley, Fred E., Hartford, R. W. Canfield, West Hartford, R. S. Jesionowski, Hartford, and J. Bailey, West Hartford, assignors to Plax Corporation, Hartford, Conn. Process and apparatus for producing continuous sheet of biaxially oriented organic polymer. 2,412,187; Dec. 3.

Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Air conditioning apparatus for aircraft. 2,412,110; Dec. 3.

Williams, Robert M.: *See*—
Arthur, James L., and Williams.

Wilson, William S., Haddonfield, N. J., assignor to Radio Corporation of America. Measurement of time between pulses. 2,412,111; Dec. 3.

Winkels, Bernard, assignee: *See*—
Fischer, Albert L.

Wolfenden, Harry C., Attleboro, Mass. Cloth dyeing machine. 2,412,188; Dec. 3.

Wolfner, William F., II.: *See*—
Long, John A., and Wolfner.

Woll, Harry J., Indianapolis, Ind., assignor to Radio Corporation of America. Transducer system. 2,412,023; Dec. 3.

Womack, Harry G., Atlanta, Ga. Window frame parting stop. 2,412,189; Dec. 3.

Womack, Harry G., Atlanta, Ga. Window frame parting stop. 2,412,190; Dec. 3.

Wood, Glenn D., and F. L. Turner, assignors to Posture Research Corporation, Elkhart, Ind. Chair seat. 2,412,112; Dec. 3.

Woodyard, John R., Garden City, N. Y., assignor to Sperry Gyroscope Company, Inc. Measuring apparatus. 2,411,916; Dec. 3.

Wooster, Philip A., San Rafael, Calif. Dispensing device. 2,411,917; Dec. 3.

Wright, Richard C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Grate for burning solid fuel. 2,411,918; Dec. 3.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Ulinski, Bronislaus.

Young, Harland H., Chicago, Ill., and D. Rubinstein, Brookline, Mass., assignors to Industrial Patents Corporation, Chicago, Ill. Purifying of alkylolamides. 2,412,113; Dec. 3.

Young, Harry S., South Williamsport, Pa. Sectional container. 2,412,024; Dec. 3.

Yzetta, Ernesto N., assignor to Guillermo Kraft Limitada Sociedad Anonima de Impressiones Generales, Buenos Aires, Argentina. Rotary tray file. 2,411,950; Dec. 3.

Zaleski, John J.: *See*—
Rudy, John E., and Zaleski.

Zamboni, Frank J., Hynes, Calif. Ice rink. 2,411,919; Dec. 3.

Zimmerman, Gordon B., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,412,025; Dec. 3.

Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Driving device. 2,412,114; Dec. 3.

Zottu, Paul D., Indian Hills, assignor to The Girdler Corporation, Louisville, Ky. Voltmeter. 2,412,191; Dec. 3.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for continuous clarification. J. R. Osuna. Re. 22,814; Dec. 3.
Cargo ship construction. P. Thompson. Re. 22,815; Dec. 3.
Plastics, Plasticization of. J. D. Jenkins. Re. 22,812; Dec. 3.
Telephone system. F. Kessler. Re. 22,813; Dec. 3.

LIST OF DESIGN INVENTIONS

Altar or similar article. L. D. Cherneff. 145,995; Dec. 3.
Cabinet for a combination stove and refrigerator unit. W. L. Goodman, Jr. 145,999; Dec. 3.
Cabinet for a sewing machine. W. A. Davidson. 145,998; Dec. 3.
Dress. B. Hurwitz. 146,000–2; Dec. 3.
Field glass, Collapsible, folding. R. Morbee. 146,008; Dec. 3.
Frame, Lapel watch. D. Taylor. 146,013; Dec. 3.
Frame, Spectacle. L. Jacobson. 146,003–4; Dec. 3.
Game enclosure, Marble. F. H. King. 146,005; Dec. 3.
Holder, Spool. L. P. Neats. 146,009; Dec. 3.
Pen, Writing. H. E. Steinberg. 146,012; Dec. 3.
Pump, Well. W. J. Conery. 145,997; Dec. 3.
Radio receiver. F. D. Schnoor. 146,011; Dec. 3.
Radio receiver and timer clock case, Combination. F. Collura. 145,996; Dec. 3.
Table. C. M. Kolacy. 146,006; Dec. 3.
Toy, Figure. J. S. Looney. 146,007; Dec. 3.
Tube, Twisted plastic. K. Schick. 146,010; Dec. 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Thiolactic. E. K. Ellingboe. 2,412,036; Dec. 3.
Acrylic ester polymers, Treatment of. S. T. Semegen. 2,411,899; Dec. 3.
Adjustable clothesline fastener. T. Russell. 2,412,097; Dec. 3.
Aerial projectile. L. Holmes, Jr. 2,412,151; Dec. 3.
Air circulator for ovens. W. W. Spooner. 2,412,103; Dec. 3.
Aircraft landing signal device. H. J. Dornak. 2,412,035; Dec. 3.
Airplane loading and service vehicle. N. V. Kuehlman and H. C. French. 2,412,158; Dec. 3.
Aldehydes and acetals, Preparation of. L. Schmerling and V. N. Ipatieff. 2,412,012; Dec. 3.
Alkylolamides, Purifying of. H. H. Young and D. Rubinstein. 2,412,113; Dec. 3.
Amusement air ride apparatus, Novelty. J. Psalila. 2,412,060; Dec. 3.
Antenna, Microwave directive. C. B. H. Feldman and G. E. Mueller. 2,411,872; Dec. 3.
Antenna, Turnstile. P. J. Kibler. 2,412,090; Dec. 3.
Apparatus for aircraft, Air-conditioning. L. A. Williams, Jr. 2,412,110; Dec. 3.
Apparatus for handling vehicles. M. Rickland. 2,412,009; Dec. 3.
Apparatus for interiorly inspecting opaque containers. I. W. England and W. F. Punte. 2,411,991; Dec. 3.
Apparatus for lacquer coating side seams of can bodies. H. A. Fink and B. D. Bloser. 2,412,139; Dec. 3.
Apparatus for spraying crown caps. H. A. Fink. 2,412,138; Dec. 3.
Applicator and container combination, Lipstick. L. L. Bassett. 2,412,073; Dec. 3.
Applicator, Therapeutic-oscillation. N. D. Mininberg. 2,412,093; Dec. 3.
Arcs, Controlling. G. W. Peters. 2,411,893; Dec. 3.
Astronomical device. J. E. Crouch. 2,412,130; Dec. 3.
Attenuator for ultra high frequency systems. H. R. Meahl. 2,412,055; Dec. 3.
Automatic pressure and temperature control means, Cabin supercharging means having. D. F. Warner and E. L. Auyer. 2,412,071; Dec. 3.
Bag: *See*—
Combined hand and shopping bag. Reversible bobbin receiving bag.
Balls, Molding. C. V. Firth. 2,411,873; Dec. 3.
Barrier, Fuel. A. Hershberger. 2,412,148; Dec. 3.
Bed and crib, Combined. G. M. Parsons. 2,412,005; Dec. 3.
Beta-halo acyl halides. T. L. Gresham and F. W. Shaver. 2,411,875; Dec. 3.
Boat loading device. L. J. Lindblom. 2,412,162; Dec. 3.
Boots, Making hollow flexible. M. E. Golden. 2,411,874; Dec. 3.
Bottle wadding machine and method. T. C. Kelly. 2,412,089; Dec. 3.
Box: *See*—
Electric welding with portable flux box.
Brace. H. C. Boone. 2,412,075; Dec. 3.
Brake: *See*—
Car brake.
Brake structure. C. Hollerith. 2,411,920; Dec. 3.
Bread and making the same. M. M. Jackson and E. Hauser. 2,412,154; Dec. 3.
Broad band radiator. D. W. Peterson. 2,411,976; Dec. 3.
Broiler and server for domestic ranges, Combination. S. H. Hobson. 2,411,993; Dec. 3.
Bumper. L. Domine. 2,411,852; Dec. 3.
Burr remover. P. Cahen. 2,411,985; Dec. 3.
Bushings, Grinding small holed. J. Kaplan. 2,412,048; Dec. 3.
Button, Identification. F. D'Antonio. 2,411,987; Dec. 3.
Cabinet: *See*—
Rotary ice cream dispensing cabinet.
Cable cutter. R. Temple. 2,411,909; Dec. 3.
Cam grinding machine. C. J. Green. 2,412,144; Dec. 3.
Can: *See*—
Deodorant can.
Cap: *See*—
Hair waving cap.
Car: *See*—
High capacity mine car.
Car brake. L. G. Miller and W. H. Statler. 2,411,974; Dec. 3.
Cargo stop. E. C. Seward. 2,411,900; Dec. 3.
Cart, Golf club. C. F. Hartung. 2,411,965; Dec. 3.
Carton for sealing by immersion. S. Bergstein. 2,412,031; Dec. 3.
Case: *See*—
Key case.
Catalyst and production of vinyl esters. W. V. Freed. 2,411,962; Dec. 3.
Catalyst in hydrocarbon conversion reactions, Separation and recovery of soluble. M. H. Gorin and W. Swordloff. 2,412,143; Dec. 3.
Catalytic conversion. L. S. Kassel. 2,411,996; Dec. 3.
Catalytic conversion of hydrocarbons. G. B. Zimmerman. 2,412,025; Dec. 3.
Catalyzed abnormal addition reactions. T. W. Evans, W. E. Vaughan, and F. F. Rust. 2,411,961; Dec. 3.
Catalyzed abnormal addition reactions. W. E. Vaughan and F. F. Rust. 2,411,983; Dec. 3.
Cement conveyance, Bulk. J. R. Bradshaw. 2,412,121; Dec. 3.
Cement, Making gypsum. J. P. C. Peter. 2,412,170; Dec. 3.
Centerless grinding machine. W. Melin. 2,411,972; Dec. 3.
Centrifugal separating apparatus. L. Sender. 2,412,099; Dec. 3.
Cereal grains with natural vitamins, Enriching. E. G. Huzenlaub. 2,412,153; Dec. 3.
Chair seat. G. D. Wood and F. L. Turner. 2,412,112; Dec. 3.
Chamber for circuit breakers, Arc extinguishing. G. W. Peters. 2,411,894; Dec. 3.
Chemical processes. L. I. Smith and H. E. Ungnade. 2,411,942; Dec. 3.
Circuit: *See*—
Signal receiver circuit.
Circuit breaker with magnetic arc extinguishing means. G. W. Peters. 2,411,892; Dec. 3.
Clamp for master sheets of printing machines. E. J. Janke. 2,411,881; Dec. 3.
Cleaning and polishing compositions. J. Ratner. 2,411,938; Dec. 3.
Clock winding mechanism. S. W. Bramley. 2,412,077; Dec. 3.
Closure for paper containers, Threaded. F. J. O'Brien. 2,412,004; Dec. 3.
Closure, Vacuumized can. J. H. O'Neil. 2,412,169; Dec. 3.
Cloth dyeing machine. H. C. Wolfenden. 2,412,188; Dec. 3.
Clutch mechanism. M. Pedersen. 2,412,006; Dec. 3.
Coating applying device. R. C. Adams. 2,411,842; Dec. 3.
Combined hand and shopping bag. C. Plapler. 2,412,007; Dec. 3.
Compound to improve the durability of leather and leather soles. A. Fischer. 2,412,140; Dec. 3.
Connector: *See*—
Electrical connector.
Container: *See*—
Lock top container. Sectional container.
Metal stacking container.
Container for cigarette packages or the like. M. Vogel. 2,411,946; Dec. 3.
Control for spigots, etc., Water. L. W. Ferrell. 2,412,037; Dec. 3.
Control of flash welding. C. E. Smith. 2,412,067; Dec. 3.
Control system. E. F. W. Alexanderson. 2,412,027; Dec. 3.
Cover: *See*—
Slip cover.
Conveyer. M. L. Sensenig. 2,512,179; Dec. 3.
Conveyer, Article. J. H. Fridén. 2,411,854; Dec. 3.
Conveyer, Trolley. R. W. Suman. 2,411,906; Dec. 3.
Cooling system. C. R. Paton. 2,411,936; Dec. 3.
Corn kernel cutter. J. H. Higgins. 2,412,149; Dec. 3.
Coupling for drive rolls. H. O. Shade. 2,412,013; Dec. 3.
Crown cap conveying system. H. A. Fink. 2,412,137; Dec. 3.
Current collector mounting means. W. J. Lewis. 2,412,052; Dec. 3.
Cutter: *See*—
Cable cutter. Lace cutter.
Corn kernel cutter.
Cylinder structure for engines. B. S. Kratzer. 2,411,924; Dec. 3.
Deodorant can. J. Coyle. 2,412,128; Dec. 3.
Device for producing ornamental and decorative bubble lighting effects. J. Petry. 2,412,171; Dec. 3.

Device for testing light polarizing elements. J. R. Benford. 2,412,074; Dec. 3.
Device for unloading packaged merchandise. P. Jessen. 2,412,155; Dec. 3.
Diesel engine. N. G. Baker. 2,412,028–9; Dec. 3.
Disher, Ice cream. B. F. and E. E. Lawrence. 2,412,050; Dec. 3.
Dispensing device. P. A. Wooster. 2,411,917; Dec. 3
Di-Tocopherols and the manufacture of same. P. Karrer and O. Isler. 2,411,967; Dec. 3.
Domestic appliance. J. B. Dyer. 2,411,960; Dec. 3.
Door lock. R. F. Smith. 2,411,941; Dec. 3.
Drafting instrument. O. S. Shaffer. 2,411,981; Dec. 3.
Drier. C. M. Doyle. 2,412,133; Dec. 3.
Driving device. S. Zonis. 2,412,114; Dec. 3.
Driving means for roller electrodes and the like. W. Trinks. 2,412,069; Dec. 3.
Ejector for thread rollers, Bolt. L. J. Mitchell. 2,411,932; Dec. 3.
Electric arc furnace. W. E. Moore. 2,412,000; Dec. 3.
Electric control. C. J. Lundborg. 2,412,163; Dec. 3.
Electric lighting switch. B. Reisberg and D. Schwarz. 2,412,062; Dec. 3.
Electric welding with portable flux box. J. E. Rudy and J. J. Zaleski. 2,412,065; Dec. 3.
Electrical attachment plug. B. J. Bir. 2,411,846; Dec. 3.
Electrical bore hole apparatus, Compensating means for. C. B. Aiken. 2,411,843; Dec. 3.
Electrical connector. C. Antony, Jr., and E. J. Isbister. 2,411,861; Dec. 3.
Electrode construction, Welding. R. R. Harwood. 2,411,859; Dec. 3.
Electrode holder. C. Ringwald. 2,411,980; Dec. 3.
Electrode joint. J. W. Droll. 2,412,081; Dec. 3.
Electrolytic polishing and removing excess metal. L. B. Pfeil. 2,412,058; Dec. 3.
Electromagnetic device. R. E. H. Carpenter. 2,412,123; Dec. 3.
Electron discharge device. J. R. Pierce and W. G. Shepherd. 2,411,913; Dec. 3.
Electron discharge device. R. L. Vance. 2,411,912; Dec. 3.
Electron, Discharge device of the magnetron type. W. C. Brown. 2,411,953; Dec. 3.
Electron, Discharge device of the magnetron type. W. C. Brown. 2,411,984; Dec. 3.
Electronic timer. L. F. Mayle. 2,412,092; Dec. 3.
Elevating platform apparatus. R. E. Hogan. 2,411,966; Dec. 3.
Elevator system. L. H. Kiesling. 2,411,882; Dec. 3.
Engine: *See*—
Diesel engine.
Esteramides. M. De Groote and B. Keiser. 2,411,957; Dec. 3.
Exterminator, Insect. K. L. Smith. 2,412,181; Dec. 3.
Extrusion machine. H. F. MacMillin and P. C. Pocock. 2,411,971; Dec. 3.
Fastener: *See*—
Adjustable clothesline fastener.
Fastener. P. Van Sittert. 2,411,914; Dec. 3.
Feeding and slitting mechanism. W. F. Huck. 2,412,047; Dec. 3.
Feeding apparatus for drawing machines, Stock. W. E. Kerr. 2,412,049; Dec. 3.
Fibers, Article and treatment of casein. J. E. Conrad. 2,412,125; Dec. 3.
Fibers, Treatment of casein. J. E. Conrad. 2,412,126; Dec. 3.
Filaments, Nylon. W. R. McClellan. 2,412,054; Dec. 3.
Film and method, Composite. A. Hershberber. 2,411,878; Dec. 3.
Finisher, Garment. E. L. Pettit. 2,412,172; Dec. 3.
Flexible wall structure. J. J. Skelly. 2,411,902; Dec. 3.
Fluid controlling valve. F. Sutton. 2,412,105; Dec. 3.
Foot covering. T. N. Herbert. 2,412,087; Dec. 3.
Footwear, Making ruber. E. Gottschalk. 2,412,042; Dec. 3.
Formaldehyde, Manufacture of. T. K. Sherwood. 2,412,014; Dec. 3.
4,4'-bis (pyrazolone) couplers for color photography. A. Bavsly. 2,411,951; Dec. 3.
Fowl picker. A. J. Toti and W. E. Snowden. 2,412,108; Dec. 3.
Frangible explosive containers and the product so produced, Forming. H. W. Arnold. 2,411,862; Dec. 3.
Frequency modulation receiving apparatus. G. W. Fyler. 2,412,039; Dec. 3.
Fruit packaging, Dried. B. E. Richmond and P. C. Wilbur. 2,411,896; Dec. 3.
Furnace: *See*—
Electric arc furnace. Metallurgical furnace.
Furnace construction. C. W. Nichols. 2,412,057; Dec. 3.
Fusee, Railroad. J. Vinton and D. MacMillan. 2,412,018; Dec. 3.
Gambrel, Foldable. J. W. Harding. 2,411,856; Dec. 3.
Garment rack. A. E. Sanderson. 2,412,011; Dec. 3.
Garment, Snow and rain protector. K. Koehane. 2,411,922; Dec. 3.
Gauge: *See*—
Linear dimension gauge. Torque gauge.
Gear finishing. M. B. Mentley. 2,411,973; Dec. 3.
Generator: *See*—
Pulse generator. Steam generator.
Saw-tooth wave generator.
Goggles. S. E. Bouchard. 2,412,076; Dec. 3.
Goggles. C. E. Morley and H. S. Davis. 2,411,933; Dec. 3.
Grate for burning solid fuel. R. C. Wright. 2,411,918; Dec. 3.
Grid making machine. D. F. Drieschman, G. Shepherd, M. Rabinawitz, A. M. Newhall, Jr., and H. E. Sorg. 2,411,988; Dec. 3.
Guide mechanism. H. J. McDermott. 2,411,889; Dec. 3.
Gun and sight mounting. J. C. Trotter. 2,412,109; Dec. 3.
Gun charger. E. J. Heizer. 2,411,877; Dec. 3.
Gun charging mechanism. W. E. Naugler. 2,411,934; Dec. 3.
Hair waving cap. N. Hoffman. 2,411,994; Dec. 3.
Headlight tester. H. G. Holmes. 2,411,879; Dec. 3.
Heater: *See*—
Unit heater.
High capacity mine car. R. A. Shields. 2,411,939; Dec. 3.
Holder: *See*—
Electrode holder. Utensil holder.
Mop holder.
Holder and toothpaste dispenser, Combined toothbrush. J. C. Kotraba. 2,411,923; Dec. 3.
Holder for dynamoelectric machines, Brush. W. C. Edmundson. 2,411,990; Dec. 3.
Humidifier for internal-combustion engines. J. F. Talbott. 2,412,016; Dec. 3.
Hydrocarbon conversion, Method and apparatus for. L. P. Evans. 2,412,135; Dec. 3.
Hydrocarbon conversion, Method and apparatus for. L. P. Evans and F. E. Ray. 2,412,136; Dec. 3.
Hydrocarbons, Alkylation of paraffin. A. V. Grosse and C. B. Linn. 2,411,992; Dec. 3.
Hydrocarbons, Treating. W. W. Odell. 2,412,096; Dec. 3.
Ignition apparatus. W. J. Spengler. 2,412,102; Dec. 3.
Image dissector tube. C. E. Hallmark. 2,412,086; Dec. 3.
Indicator: *See*—
Neon lamp volume indicator. Phase angle indicator.
Iron ore sludge, Sintering. W. M. Stewart. 2,412,104; Dec. 3.
Joint: *See*—
Electrode joint.
Key case. J. and S. Jupin. 2,411,995; Dec. 3.
Lace cutter. J. Luke. 2,411,927; Dec. 3.
Lamp: *See*—
Signal lamp.
Last. L. W. Reinhardt. 2,412,008; Dec. 3.
Lighting fixture, Overhead electric. D. J. Biller. 2,411,952; Dec. 3.
Linear dimension gauge. E. A. Cooke. 2,412,127; Dec. 3.
Liquid-gas-phase control. R. D. Cowherd. 2,411,986; Dec. 3.
Liquid supply system. V. L. Tannehill. 2,412,107; Dec. 3.
Livestock marking tool. E. G. Stone. 2,411,944; Dec. 3.
Lock: *See*—
Door lock. Travel lock.
Machine for electric welding can bodies. R. M. Mero and A. Treff. 2,412,166; Dec. 3.
Machine for filling valve bags. C. A. Adams. 2,412,026; Dec. 3.
Machine for piercing wire drawing die units. J. L. Smyers. 2,412,101; Dec. 3.
Magnetic deflection corrected compass. F. D. Braddon. 2,411,866; Dec. 3.
Measurement apparatus, Resonant circuit saturable core. S. C. Hoare. 2,412,046; Dec. 3.
Measurement of time between pulses. W. S. Wilson. 2,412,111; Dec. 3.
Measuring apparatus. M. H. Taylor and T. W. Clifford. 2,412,017; Dec. 3.
Measuring apparatus. J. R. Woodyard. 2,411,916; Dec. 3.
Mechanical grinding stone. A. J. Ford. 2,412,141; Dec. 3.
Metal stacking container. J. W. Seigh. 2,412,178; Dec. 3.
Metallurgical furnace. G. H. S. Grene. 2,412,145; Dec. 3.
Metatarso-phalangeal ball, Cushion. B. J. Silver. 2,411,901; Dec. 3.
Meter. F. G. Kelly. 2,411,997; Dec. 3.
Meter for primary energy, Secondary. W. C. Wagner. 2,412,070; Dec. 9.
Mirrors, Making colored. W. H. Colbert and W. L. Morgan. 2,411,955; Dec. 3.
Mitten. M. and E. Linick. 2,411,926; Dec. 3.
Moccasin blank. B. F. Lee. 2,412,051; Dec. 3.
Molding, Pressure extrusion. N. Lester. 2,411,999; Dec. 3.
Molds, Making. J. F. and W. J. Kelly. 2,411,998; Dec. 3.
Mop holder. N. Hill. 2,412,150; Dec. 3.
Mounting: *See*—
Gun and sight mounting.
Piezoelectric crystal mounting.

Mounting for bobbin receivers for weft replenishing looms. W. H. Wakefield. 2,411,948; Dec. 3.
Multiple response supervisory system. J. A. Long and W. F. Wolfner, II. 2,411,888; Dec. 3.
Navigating method and apparatus. J. Neufeld. 2,412,003; Dec. 3.
Necktie. A. F. Taborski. 2,411,907; Dec. 3.
Neon lamp volume indicator. M. Camras. 2,411,848; Dec. 3.
Nozzle control. D. M. Poole. 2,411,895; Dec. 3.
Nozzle for filters and the like, Distribution. J. Bill, Jr. 2,412,032; Dec. 3.
Oil, Cutting. T. W. Culmer. 2,412,131; Dec. 3.
Oil, Cutting. P. P. Gabriel. 2,412,082; Dec. 3.
Oil manufacture, Drying. A. Schwarcman. 2,412,177; Dec. 3.
Oils, Treating fatty. A. Schwarcman. 2,412,176; Dec. 3.
Oleoresin, Refining. R. V. Lawrence. 2,411,925; Dec. 3.
Ordnance. F. I. Rataiczak. 2,411,979; Dec. 3.
Oscillator, Magnetostriction. E. E. Turner, Jr. 2,411,911; Dec. 3.
Overload release means. A. L. Kronquest. 2,412,157; Dec. 3.
Pallet. B. Ulinski. 2,412,184; Dec. 3.
Paper, Coating. H. V. Dunham. 2,411,989; Dec. 3.
Parachute. G. B. Brown. 2,411,868; Dec. 3.
Pencil-like implement. G. D. Nelson. 2,411,975; Dec. 3.
Petroleum products, Purifying. M. A. Dietrich and C. J. Pedersen. 2,411,958–9; Dec. 3.
Pharmaceutical solution. M. Sahyun. 2,411,897; Dec. 3.
Phase angle indicator. W. W. Hansen. 2,411,876; Dec. 3.
Phenyl sulfonyl diesters of nitro alcohols. P. J. Baker, Jr. 2,412,116; Dec. 3.
Phenyl sulfonyl triesters of nitro alcohols. P. J. Baker, Jr. 2,412,117; Dec. 3.
Phonograph and word display apparatus for teaching languages, Combined. F. W. Quidas. 2,412,061; Dec. 3.
Photo radio signaling by frequency modulation. J. L. Finch. 2,411,853; Dec. 3.
Pies, Method and apparatus for making. L. J. Harriss. 2,411,857; Dec. 3.
Piezoelectric crystal mounting. C. F. Baldwin. 2,412,030; Dec. 3.
Piling, Encasing driven. C. Weber. 2,412,185; Dec. 3.
Piston construction. W. A. Ledwith. 2,411,886; Dec. 3.
Platform arrangement for portable derricks, Working. W. D. Walters. 2,412,020; Dec. 3.
Plug: *See*—
Electrical attachment plug
Polyhalogenated straight-chain aliphatic carboxylic acid halides, Making. C. W. Theobald. 2,411,982; Dec. 3.
Polyunsaturated esters with polythiols and products produced thereby, Treatment of. W. J. Burke. 2,411,954; Dec. 3.
Poppet valve and guide assembly. W. D. Appel. 2,411,844; Dec. 3.
Power plant construction. W. A. Ledwith. 2,411,887; Dec. 3.
Press: *See*—
Printing press.
Pressure switch. R. W. Muerle. 2,412,095; Dec. 3.
Printing press. E. F. Dell. 2,412,132; Dec. 3.
Program preselecting and control apparatus. F. H. Owens. 2,411,890; Dec. 3.
Projectile. C. L. Eksergian. 2,412,134; Dec. 3.
Projectiles. W. B. Pope. 2,412,173; Dec. 3.
Protractor. J. H. Gieske. 2,412,084; Dec. 3.
Protractor. N. C. Smith. 2,412,100; Dec. 3.
Pulse generator. J. C. Schelleng. 2,411,898; Dec. 3.
Pump bores, Apparatus for and method of smoothing. M. Caserta. 2,411,851; Dec. 3.
Puzzle. H. M. Slocum. 2,412,180; Dec. 3.
Quick-acting switch mechanism. R. H. Bentley. 2,412,119; Dec. 3.
Rack: *See*—
Garment rack.
Radio control apparatus. F. H. Owens. 2,411,891; Dec. 3.
Radio system, Directional. L. M. Leeds. 2,412,159; Dec. 3.
Radio system, Directive. R. C. Longfellow. 2,412,160; Dec. 3.
Radiographic inspection method. R. G. Rhoades. 2,412,174; Dec. 3.
Railway truck. J. H. Porteus. 2,411,978; Dec. 3.
Reading and writing machine. W. P. Taylor, Jr. 2,412,183; Dec. 3.
Receiver for looms, Spent bobbin. W. H. Wakefield. 2,411,949; Dec. 3.
Recorder head, Magnetic. M. Camras. 2,411,849; Dec. 3.
Reel or beam. E. W. Powell. 2,411,937; Dec. 3.
Regulator: *See*—
Voltage regulator.
Relief valve. M. A. Mathys. 2,411,930; Dec. 3.
Remote control device, Hydraulic. R. Lucien. 2,412,053; Dec. 3.
Resin, Rosin ester modified dicarboxylic acid-glycol. G. Spiller. 2,411,904; Dec. 3.
Retarder. G. D. King and M. C. Dailey. 2,412,156; Dec. 3.
Reversible bobbin receiving bag. W. H. Wakefield. 2,411,947; Dec. 3.
Rink, Ice. F. J. Zamboni. 2,411,919; Dec. 3.
Roost for fowls. E. S. Kubat. 2,412,091; Dec. 3.
Rotary compressor. S. Malke. 2,411,929; Dec. 3.
Rotary ice cream dispensing cabinet. A. H. Spader. 2,412,068; Dec. 3.
Rubber adhesive, Water dispersed. H. N. Stephens. 2,411,905; Dec. 3.
Rubber adhesive, Water dispersed tacky. H. N. Stephens. 2,412,182; Dec. 3.
Rubber compositions containing indanol esters. F. J. Soday. 2,411,943; Dec. 3.
Rubber, Gassing. R. C. Bascom and D. Roberts. 2,412,072; Dec. 3.
Rubber, Plasticizing. R. J. King and G. W. Thielcke. 2,411,884; Dec. 3.
Sailmaker's palm. H. G. Jackson. 2,411,880; Dec. 3.
Salt, Method of and apparatus for dissolving. E. Swartz. 2,412,106; Dec. 3.
Saw-tooth wave generator. R. E. Moe. 2,412,064; Dec. 3.
Saw-tooth wave generator. E. W. Rosentreter. 2,412,063; Dec. 3.
Seat: *See*—
Chair seat.
Sectional container. H. S. Young. 2,412,024; Dec. 3.
Server, Buffet. D. Birkin. 2,411,864; Dec. 3.
Servo system. G. de Westfelt. 2,411,871; Dec. 3.
7,8-Dimethyl Tocol and preparation of same. P. Karrer and O. Isler. 2,411,970; Dec. 3.
Sewing machine. J. H. Pikul. 2,411,977; Dec. 3.
Sextant, Universal. A. L. Chauvet. 2,411,870; Dec. 3.
Shearing apparatus. W. B. Shear. 2,412,066; Dec. 3.
Sheet handling mechanism. E. R. Muddiman. 2,412,001; Dec. 3.
Sheet of biaxially oriented organic polymer, Process and apparatus for producing continuous. F. E. Wiley, R. W. Canfield, R. S. Jesionowski, and J. Bailey. 2,412,187; Dec. 3.
Shock absorbing mechanism, Friction. G. E. Dath. 2,411,956; Dec. 3.
Shoe. D. B. Caratozzolo. 2,411,850; Dec. 3.
Signal device. J. J. Moynihan. 2,412,094; Dec. 3.
Signal lamp. F. J. O'Farrell. 2,411,935; Dec. 3.
Signal receiver circuit. R. H. George. 2,411,963; Dec. 3.
Signaling system. E. E. Turner, Jr. 2,411,910; Dec. 3.
Skip stitch tufting machine. W. R. Kile. 2,411,883; Dec. 3.
Slicing machine. M. Brustowsky. 2,412,079; Dec. 3.
Slip cover. T. Waranch. 2,411,915; Dec. 3.
Solid particles with fluids, Contacting finely divided. L. C. Huff. 2,412,152; Dec. 3.
Spectacle temple connection. S. E. Bouchard. 2,412,120; Dec. 3.
Spot welding. E. T. Ridgway. 2,412,175; Dec. 3.
Sprayer, Automatic. H. G. Grass. 2,411,964; Dec. 3.
Stacker, Sheet. D. P. Glush and J. A. Clauss. 2,412,085; Dec. 3.
Steam generator. J. P. Badenhausen. 2,412,115; Dec. 3.
Steel sheets, Flattening silicon. C. E. Gifford, V. W. Carpenter, and L. L. Cook. 2,412,041; Dec. 3.
Steel tubes, Bright polishing stainless. I. Whitehouse and V. S. Chambers. 2,412,186; Dec. 3.
Stinger. L. D. Giantvalley. 2,412,083; Dec. 3.
Strainer provided with a sediment chamber, Suction. J. F. Griffin and E. Rawson. 2,412,043; Dec. 3.
Stripper, Seed. W. N. Nelson and L. A. Pazandak. 2,412,002; Dec. 3.
Submarine detecting method and apparatus. E. McDermott. 2,412,165; Dec. 3.
Submarine signaling device. L. G. Bostwick and J. H. King. 2,411,865; Dec. 3.
Suspension for vehicles, Equalizing. G. L. Larison. 2,411,885; Dec. 3.
Switch: *See*—
Electric lighting switch. Thermostatic switch.
Pressure switch.
Synthetic compositions and products having molecularly oriented structure. G. F. D'Alelio. 2,412,034; Dec. 3.
Synthetic Di-Tocopherols, Preparation of. P. Karrer and O. Isler. 2,411,968–9; Dec. 3.
System for aircraft engines, Cooling. J. L. Arthur and R. M. Williams. 2,411,845; Dec. 3.
Table casting apparatus, Rotating. C. Gall and F. J. Prucha. 2,412,040; Dec. 3.
Table for shoe sole stitching machines, Work. S. F. Graff. 2,411,855; Dec. 3.
Tank: *See*—
War vehicle fuel tank.
Television film scanning system, Color. J. D. Schantz. 2,412,098; Dec. 3.
Templet. S. W. Hayes. 2,412,147; Dec. 3.
Textile spindle. E. G. Crawford. 2,412,129; Dec. 3.
Textiles, fibers and the like water-repellent, Rendering. W. Hentrich and R. Hueter. 2,411,860; Dec. 3.
Thermoplastic materials, Extruding. J. Bokeeno. 2,411,847; Dec. 3.
Thermostatic switch. B. E. Getchell. 2,412,142; Dec. 3.
Thiocyanic acid and cyclopentadiene-olefinic adducts, Addition rearrangement products of. H. A. Bruson. 2,411,869; Dec. 3.
Throttle control, Carburetor. J. F. Weakley. 2,412,021; Dec. 3.
Tie, Bow. A. F. Taborski. 2,411,908; Dec. 3.

Tire prerotating device. B. L. Crosby. 2,412,033; Dec. 3.
Toluene, Purification of. W. L. Rippeteau, Jr. 2,412,010; Dec. 3.
Tool: *See*—
Livestock marking tool.
Tool and producing same, Industrial diamond. B. Brenner. 2,411,867; Dec. 3.
Tool holding means, Retractable. E. C. Freisen. 2,412,038; Dec. 3.
Torque gauge. G. E. McVey. 2,411,931; Dec. 3.
Track for vehicles, Endless. T. D. Campbell. 2,412,122; Dec. 3.
Transducer system. H. J. Woll. 2,412,023; Dec. 3.
Transformer, Welding. H. E. Kennedy. 2,411,921; Dec. 3.
Transmission characteristic correction. T. Slonczewski. 2,411,903; Dec. 3.
Transmission system. F. G. Patterson. 2,412,161; Dec. 3.
Trap for refrigerator car drainpipes, Automatic. E. R. Battley and G. E. McCoy. 2,412,118; Dec. 3.
Travel lock. Q. Berg. 2,411,863; Dec. 3.
Tray file, Rotary. E. N. Yzetta. 2,411,950; Dec. 3.
Tube: *See*—
Image dissector tube.
Tuning apparatus. R. L. Harvey. 2,411,858; Dec. 3.
Unit heater. H. B. Holthouse. 2,412,088; Dec. 3.
Utensil holder. A. Mosch. 2,412,056; Dec. 3.
Vacuumizing and gassing filled containers. H. L. Minaker. 2,412,167; Dec. 3.
Valve: *See*—
Fluid controlling valve.
Relief valve.
Vapor heating system. A. F. Hoesel. 2,412,168; Dec. 3.
Vehicle: *See*—
Airplane loading and service vehicle.
Vehicle body. T. Vigmostad and S. N. Juul. 2,411,945; Dec. 3.
Vehicle for liquefied gas, Transport. O. A. Hansen. 2,412,146; Dec. 3.
Voltage regulator. W. R. Carter. 2,412,124; Dec. 3.
Voltmeter. P. D. Zottu. 2,412,191; Dec. 3.
War fuel vehicle tank. B. Walker. 2,412,019; Dec. 3.
Washing apparatus. F. Breckenridge and L. R. Boyd. 2,412,078; Dec. 3.
Wave reproducing system, Angle modulated. C. M. Sinnett. 2,412,015; Dec. 3.
Welding apparatus. R. C. Cunningham. 2,412,080; Dec. 3.
Welding device. G. M. Whitmore. 2,412,022; Dec. 3.
Welding pressure controlling apparatus. H. H. Hansen. 2,412,044; Dec. 3.
Wheel structure. G. A. Lyon. 2,411,928; Dec. 3.
Window fixture means, Multiple purpose. A. A. Pinto. 2,412,059; Dec. 3.
Window frame parting stop. H. G. Womack. 2,412,189–90; Dec. 3.
Wrist band, Step adjustable. A. MacLachlan. 2,412,164; Dec. 3.
Zinc base alloy containing copper and beryllium and heat-treating the same. R. H. Harrington. 2,412,045; Dec. 3.
Zinciferous lead, Refining. W. W. Shropshire. 2,411,940; Dec. 3.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 3, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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Trade-Marks	149—No.	425,925 to No.	426,073,	inclusive.
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Designs	50—No.	146,014 to No.	146,063,	inclusive.
Total	564			

Adjudicated Patent

(C. C. A. Mich.) Daukus patent, No. 2,324,913, for a clutch plate, *Held* valid. *Goodwin* v. *Borg-Warner Corp.*, 157 F.(2d) 267; 70 USPQ 387.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,331,321, W. A. Heaton, Process of making composite fabrics, decided Mar. 25, 1946, claim 1.

Pat. 2,363,687, P. T. Paul, Antioxidants, decided Nov. 15, 1946, claim 8.

Notice

EXAMINER'S REPLY UNDER RULE 137

U. S. Patent Office, *Washington 25, D. C., Nov. 18, 1946.*

Rule 137, as amended, states that the Examiner shall furnish the appellant a copy of any reply to the brief. Where no further comments are considered necessary the appellant should be formally advised of this fact. Informal notations on or attached to the brief or forwarding slip should be discontinued.

Not infrequently a brief filed less than twenty days before the day of hearing is accepted by the Board of Appeals. Where in such a case the brief is forwarded to the Examiner under the provisions of Rule 137 a reply may be made notwithstanding the delayed filing. The real purpose of a reply is to enable Examiners to furnish the Board with their views regarding new facts or arguments raised in appellant's brief.

CASPER W. OOMS,
Commissioner.

Disclaimers

2,145,577.—*Jean A. H. Barkeij*, Altadena, Calif. Combustion Chamber in Cylinder Heads of Internal Combustion Engines. Patent dated Jan. 31, 1939. Disclaimer filed Nov. 12, 1946, by the inventor.

Hereby enters disclaimer to claim 4 and to the following subject matter—

Page 1, first column, lines 9 to 33 and lines 51 to 55; page 1, second column, lines 1 to 6 and lines 11 to 21; and page 2, first column, lines 53 to 75 inclusive.

2,191,746.—*Jean A. H. Barkeij*, Altadena, Calif. Combustion Chamber in Cylinder Heads of Internal Combustion Engines. Patent dated Feb. 27, 1940. Disclaimer filed Nov. 15, 1946, by the inventor.

Hereby enters disclaimer to claim 4 and to the subject matter contained in lines 44 to 53 inclusive, second column, page 1.

2,296,167.—*Richard Kuhn* and *Gerhard Wendt*, Heidelberg, Germany. Acyl Derivatives of Vitamin B_6 and Process of Making the Same. Patent dated Sept. 15, 1942. Disclaimer filed Oct. 26, 1946, by the assignee, *Winthrop Chemical Company, Inc.*

Hereby enters this disclaimer to claims 1, 2, 4, and 6 in said specification.

Condition of Applications Under Examination at Close of Business November 15, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 130,328; Trade-Mark Division, 11,375. Oldest new case, April 9, 1945; oldest amended, April 16, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	June 4	July 18	2568
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	July 14	Aug. 20	3049
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 19	July 4	2010
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Sept. 26	Aug. 24	2436
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3622
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 9	Nov. 24	1774
7. HANLIN, GEORGE, Optics, Photography	June 30	Dec. 15	1922
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Aug. 17	Sept. 6	3233
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	June 1	May 11	2133
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Sept. 6	Sept. 18	1452
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 21	†Mar. 9	734
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 13	July 16	2624
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	June 28	2088
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 15	Sept. 24	1481
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Oct. 21	Oct. 29	1148
16. LOVEWELL, N. N., Telegraphy; Telephony	Oct. 18	Nov. 3	1217
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 11	May 21	1132
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 22	July 6	1855
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 20	Oct. 26	1657
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	July 9	July 26	1954
21. THOMPSON, T. J., Textiles	†Feb. 6	†Mar. 1	756
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 27	1888
23. LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 19	Aug. 23	220
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Feb. 28	†Mar. 4	1125
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 6	Sept. 12	1431
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 13	July 23	1899
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 17	June 26	1999
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	June 6	May 30	1504
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	July 23	July 24	2214
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Aug. 27	Aug. 2	2278
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Apr. 24	Apr. 27	847
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Sept. 24	Oct. 2	2107
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 22	Aug. 4	2983
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Sept. 7	Sept. 28	1240
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 17	Oct. 15	1986
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1653
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 8	Oct. 6	1306
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part) Ornamentation	Oct. 11	Oct. 16	1316
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	June 6	June 4	2401
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 26	Oct. 3	2525
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Sept. 26	Sept. 4	796
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 23	Nov. 8	976
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Aug. 22	Aug. 21	1153
44. HARVEY, L. P., Refrigeration; Preserving	May 12	June 21	1202
45. LISANN, L., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 2	Sept. 4	2483
6. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 28	Sept. 15	1511
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 22	Oct. 19	2697
48. BERNSTEIN S., Electricity, General Applications; Electric Igniters	May 4	May 11	1915
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Sept. 1	Sept. 4	1557
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 13	Nov. 13	2228
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Aug. 1	Aug. 2	2220
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	July 3	Aug. 9	3005
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 24	3480
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 9	July 20	2093
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Sept. 5	1702
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 19	Sept. 12	1370
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Apr. 9	May 28	2895
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 19	†Jan. 25	1332
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 14	June 15	2043
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 25	Oct. 16	1769
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	July 10	June 29	2538
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	May 7	Apr. 16	3627
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 10	Aug. 18	1967
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Apr. 19	Apr. 15	1007
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 26	July 25	2258
Trade-Marks: RICHMOND, F. A.	†Jan. 7	†June 11	11,375
Designs: KALUPY, H. H.	Dec. 24	†Aug. 12	6738

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

EX PARTE MALLARD

Decided October 16, 1946

APPLICATION—STRIKING FROM FILE—FRAUD.

Where an applicant, during an interference proceeding in the Patent Office, testified falsely and presented fraudulent evidence, *Held* that no valid patent can issue on his application which was involved in the interference, and the application ordered to be stricken from the files.

OOMS, *Commissioner:*

On October 11, 1946, an order was issued in this application calling upon the applicant to show cause why the application should not be stricken from the files. Counsel for the applicant has stated that no response to the order will be made, and the case has therefore been taken up for action without awaiting the expiration of the time allowed in the order.

The order to show cause was issued pursuant to the decision of the United States District Court for the Northern District of Illinois, Eastern Division, in *Mallard et al.* v. *Kitto et al.*, 79 USPQ 568. That case involved an action under R. S. 4915 (U. S. C., title 35, sec. 63), arising out of an interference in the Patent Office between the present Mallard application and an application of Kitto. The court found that the dates on certain sketches offered by Mallard to the Patent Office and to the court as exhibits had been changed from 1939 to 1936 at a date subsequent to that on which the sketches were originally made, that Mallard testified falsely as to the time when certain words were applied to the back of another sketch which he offered as an exhibit, and that he came into the court with unclean hands.

These holdings of the United States District Court are to be given the same effect as holdings of the Court of Customs and Patent Appeals, i. e., they shall "govern further proceedings in the case" (*Hoover Co.* v. *Coe*, 325 U. S. 79, 65 USPQ 180).

It must be taken as established, therefore, that Mallard attempted to defraud both the Patent Office and the court, in his effort to obtain the allowance of the claim of this application which was involved in interference. It remains to be determined whether, in view of this conduct on the part of Mallard, any valid patent whatever can be issued on the present application.

The question as to the effect of fraud in the prosecution of a patent application is discussed at length, with an extensive citation of authorities, in the decision of First Assistant Commissioner Billings reported in 1911 C. D. 139, 171 O. G. 983. That case involved certain alterations made, after filing, in the applications of one Heany. It was held that the Patent Office should not grant patents which the courts would hold to be "null and void and of no effect, on the ground of fraud," and that the alteration of the applications precluded the issuance of any valid patent on them. This holding was made despite the offer of Heany to restore the applications to their original condition. The Frst Assistant Commissioner was clearly of the opinion that the fraudulent alteration of the applications would preclude the issuance of any patents on them even as to matter not affected by the alterations, and this opinion is considered sound.

The same situation was considered by the Court of Appeals of the District of Columbia in *Moore* v. *Heany et al.*, 34 App. D. C. 31, 1909 C. D. 488, 149 O. G. 831. The court stated that if the Commissioner found that the changes had been made without Heany's knowledge and consent, amendment would presumably be permitted to restore the application to its original condition but that if the Commissioner found that the application "was tampered with by the connivance and approval of the applicant, he will probably enter an order rejecting the application, leaving the applicant his right to appeal therefrom." While this is a dictum, it clearly indicates the court's opinion that, if the applicant had connived at the fraud he should not be allowed to obtain any patent on his application, even though he might have been entitled to a patent on his application as filed, if the fraudulent changes had not been made.

Rule 31 of the Patent Office Rules of Practice provides that:

"Every application signed or sworn to in blank or without actual inspection by the applicant of the petition and specification, and every application altered or partly filled up after being signed or sworn to, will be stricken from the files."

This rule requires the striking out of an entire application for misconduct which may be less than fraud and which may relate to a portion of the application only. The rule was applied by the Commissioner in *Ames* v. *Lindstrom*, 1911 C. D. 68, 167 O. G. 241, and his decision was upheld by the Court of Appeals of the District of Columbia in *Lindstrom* v. *Ames*, 37 App. D. C. 365, 1911 C. D. 384, 168 O. G. 250. The court refused to permit cancellation of the matter improperly inserted and held that no valid patent could issue on the application. This holding was made despite the fact that no fraud appears to have been shown in the changing of the application. Clearly if misconduct of this sort in the making of relatively minor changes is a sufficient basis for striking out an entire application, a deliberate fraud in an attempt to secure the allowance of a claim affords a basis for similar action.

As is correctly stated in McCrady's Patent Office Practice, Second Edition, page 210:

"Recent decisions of the Supreme Court show that it intends that no patent shall be enforceable where in the prosecution of the application or the handling of the patent there has been fraud inimical to the public interest."

Thus in *Hazel-Atlas Glass Co.* v. *Hartford-Empire Co.*, 322 U. S. 238, 1944 C. D. 675, 567 O. G. 731, the

plaintiff was denied relief in a suit on a patent because there had been a fraudulent showing made to the Patent Office during the prosecution of the application on which the patent was granted; even though it was not clear from the record that the allowance of the patent was actually procured by means of this showing.

In *Precision Instrument Mfg. Co.* v. *Automotive Maintenance Machine Co.*, 324 U. S. 806, 65 USPQ 133, the Supreme Court reviewed and reversed a decision of the Court of Appeals of the Seventh Circuit, reported in 143 F.(2d) 332, 62 USPQ 226. In that case suit was brought on three patents, one to Larson and two to Zimmerman. The application on which the Larson patent was granted had been involved in interference with an application of Zimmerman which was owned by Automotive. During the interference perjured testimony was offered on behalf of Larson but, before a decision was made, this fraud was discovered by Automotive and confessed by Larson. Thereupon, an agreement was entered into by which Larson conceded priority to Zimmerman and his application was assigned to Automotive. The attention of the Patent Office was not called to the perjured testimony and patents were taken out on the Zimmerman application with broad claims and on the Larson application with limited claims allegedly defining Larson's contribution over what was disclosed by Zimmerman. The Supreme Court held that in view of Automotive's conduct in acquiring the Larson application and taking a patent on it, and in failing to call the perjury to the attention of the Patent Office or any other public representative, Automotive was not entitled to enforce either the Larson or the Zimmerman patents. Since Larson had lost the interference, the claims allowed in his patent must have been considered patentable over anything which might have been contested in the interference. Nevertheless, the Court found that the fraud in the interference prevented recovery on the patent claims. On this principle, it would clearly be held that Mallard's fraud in the interference would prevent recovery on any patent which might be issued on the present application.

In its decision the Supreme Court states that the public has "a paramount interest in seeing that patent monopolies spring from backgrounds free from fraud," and that Larson's perjury should have been called to the attention of the Patent Office because "Only in this way can that agency act to safeguard the public in the first instance against fraudulent patent monopolies." It is clear from these statements that the Court was of the opinion, first that no patent monopoly should be granted on an application if fraud had been involved in the execution or prosecution thereof and secondly that the Patent Office is the proper agency to prevent, in the first instance, the grant of such a monopoly. The decision, therefore, fully justifies the refusal of any patent on the present Mallard application.

It is to be noted that R. S. 4916 (U. S. C., title 35, sec. 64), R. S. 4917 (U. S. C., title 35, sec. 65) and R. S. 4922 (U. S. C., title 35, sec. 71) which relate to situations in which a patentee has claimed matter to which he was not entitled, provide that the patent may be enforced as to other matter which was properly claimed only when there was no fraud involved. In other words, fraud in the procurement of any claim of a patent is sufficient to vitiate the entire patent. Accordingly, if Mallard had prevailed in the interference and obtained a patent containing the claim there involved, as well as other claims, and if the fraud had then been discovered, the entire patent would have been rendered void. There is no apparent reason why a different principle should be applied when the fraud is discovered prior to the issuance of a patent. A fraud which will invalidate a patent after it is issued should, if discovered earlier, prevent the issuance of the patent.

R. S. 4886 (U. S. C., title 35, sec. 31) imposes as a condition precedent to the grant of a patent the "payment of the fees required by law and other due proceeding had." The due proceeding referred to is that which is prescribed by the statutes, and obviously does not embrace the presentation of fraudulent evidence. As was said by First Assistant Commissioner Billings, in the decision already referred to, on the Heany applications: "For an inventor to be entitled to the legal effect of the filing of an allowable application in the Patent Office, he must proceed in the manner contemplated by law." One who, instead of complying with the requirements of the statutes and of the rules of the Patent Office made pursuant thereto, attempts to evade them by fraudulent means, must be held to have forfeited his right to a patent on the application involved in the fraudulent proceeding.

I am of the opinion that the fraud committed by the present applicant in the interference proceeding in which this application was involved precludes the issuance of any valid patent on the application, and the application is accordingly hereby stricken from the files.

U. S. Court of Appeals for the District of Columbia

STURTEVANT

v.

OOMS, COMMISSIONER OF PATENTS

No. 9,204. Decided November 4, 1946

[— F.(2d) —; — USPQ —]

1. APPLICATION—REISSUE—DISCLOSURE—RIGHT OF APPLICANT TO MAKE CLAIMS COPIED FROM PATENT.

Where appellant's reissue application disclosed a torque wrench consisting of a head and a handle, connected by a flexible steel bar, and an indicator, with the head rigidly connected to one end of the steel bar and the handle rigidly connected to the other end, *Held* that appellant was not entitled to make claims copied from a patent to another which said that the head was "pivotally supported" adjacent one end of the handle, "rotatably mounted" with respect to the handle, and "pivotally connected" with the handle.

2. SAME—SAME—SAME—SAME.

"We think the terms 'pivotally supported,' 'rotatably mounted,' and 'pivotally connected' are structural terms. Structurally speaking, there is no pivotal connection or support between the head and the handle in this wrench; both connections are rigid. It is true that the slight movement of the handle with respect to the head, permitted by the flexing of the spring bar, might be described as 'pivotal,' in that 'pivotal' might be used to describe any axial movement of one body in relation to another. But 'pivotal' used in that sense does not describe the structure, or the manner in which the members are 'supported,' 'mounted' or 'connected' in relation to one another."

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Bertrand W. Coltman (*Mr. M. Hudson Rathburn* and *Mr. Edwin R. Hutchinson* of counsel) for Sturtevant.

Mr. W. W. Cochran for the Commissioner of Patents.

Before EDGERTON, WILBUR K. MILLER and PRETTYMAN, *Associate Justices*

PRETTYMAN, *J.:*

Appellant secured a patent on a torque wrench. Later he applied for a reissue of the patent. The specification and drawings of the original patent remained unchanged in the reissue application, but that application contained five new claims. It was rejected by the Board of Appeals of the Patent Office. Appellant filed an action in the district court under section 4915 of the Revised Statutes.[1] The court dismissed the complaint. This appeal followed.

The specification and drawings reveal a torque measuring wrench, consisting of a head (designed by a flexible steel bar, and an indicator. When the wrench is used to tighten a nut or bolt, the pressure applied to the handle causes the spring bar to flex, and the indicator shows the amount of the pressure. The head is rigidly connected to one end of the steel to engage a nut or a bolt) and a handle, connected bar, and the handle is rigidly connected to the other end.

[1] The new claims in the reissue application say that the head (work-engaging member) is "pivotally supported" adjacent one end of the handle, "rotatably mounted" with respect to the handle, and "pivotally connected" with the handle. Appellant says that one essential characteristic of a torque measuring wrench is a pivotal movement of the handle with respect to the head, that otherwise there is no means for measuring the pressure being applied. He says that this pivotal movement constitutes a pivotal support or pivotal connection between the head and the handle.

[2] We think the terms "pivotally supported," "rotatably mounted," and "pivotally connected" are structural terms. Structurally speaking, there is no pivotal connection or support between the head and the handle in this wrench; both connections are rigid. It is true that the slight movement of the handle with respect to the head, permitted by the flexing of the spring bar, might be described as "pivotal," in that "pivotal" might be used to describe any axial movement of one body in relation to another. But "pivotal" used in that sense does not describe the structure, or the manner in which the members are "supported," "mounted" or "connected" in relation to one another. Thus, a gate mounted only on a spring might be said to have a pivotal movement with respect to the gatepost. But a spring is not a pivot, and spring construction is not pivotal connection.

Appellant copied his new claims from a patent issued to one Zimmerman, in order that an interference proceeding might be instituted. He says that if the head in the Zimmerman patent is pivotally connected or pivotally supported in relation to the handle, the same is true of his patent. Examination of the Zimmerman patent, however, discloses that the working member is a rotatable stud which moves in a boss on the head of the wrench. Thus, there is a pivotal construction in the connection or support of the working member in relation to the rest of that wrench.

In the view which we take, it is unnecessary to discuss the other points presented by the parties.

Affirmed.

[1] 35 U. S. C. A. § 63.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,481,788, J. D. Benbow, Dump car; 1,789,956, 1,935,974, 1,977,621, 1,977,819, 2,143,934, W. L. Burner, same; 1,977,836, 2,181,629, J. H. Slaker, same, D. C., N. D. Ohio (Toledo), Doc. 4887, *Webster-Austin Co.* v. *Differential Steel Car Co.* Stipulation dismissing action without prejudice (notice Oct. 18, 1946).

1,789,956. (See 1,481,788.)

1,844,142, A. E. Barili, Stuffed pastry machine, filed Oct. 19, 1946, D. C., N. D. Calif., S. Div., Doc. 26534–H, *A. E. Barili* v. *Marlo Packing Corp. et al.*

1,922,747, R. R. Roemer, Construction shore, D. C., S. D. N. Y., Doc. 35/59, *Auto Specialties Mfg. Co.* v. *Mercury Industrial.* Consent decree holding infringement and granting injunction Oct. 23, 1946. Same, D. C., N. J. (Newark), Doc. 7511, *Auto Specialties Mfg. Co.* v. *Eisen Bros. & Co. et al.* Patent held valid and infringed, injunction Oct. 28, 1946.

1,922,747. (See 2,227,393 (*a*).)

1,935,974. (See 1,481,788.)

1,963,665. (See Re. 22,783.)

1,977,621. (See 1,481,788.) 1,977,819. (See 1,481,788.)

1,977,836. (See 1,481,788.)

2,019,140. (See Re. 21,999.)

2,050,856. (See Re. 22,783.)

2,103,075, E. A. Greenspon, Therapeutic preparation and method of making it, filed Oct. 17, 1946, D. C., S. D. N. Y., Doc. 38/278, *E. A. Greenspon* v. *Parke, Davis & Co.*

2,143,934. (See 1,481,788.)

2,179,142, J. L. Breese, Hydrocarbon burner, D. C., S. D. Ind. (Evansville), Doc. 266, *Oil Devices* v. *Small & Schelosky Co., Inc.* Cause dismissed without prejudice Oct. 14, 1946.

2,181,629. (See 1,481,788.)

2,220,601, L. H. Gillett, Clothes fastener, filed Oct. 21, 1946, D. C., N. D. Calif. (Sacramento), Doc. 5673, *L. H. Gillett* v. *W. T. Grant.*

2,224,412, S. V. Smith, Perforation cleaner for oil wells, D. C., S. D. Calif. (Los Angeles), Doc. 484, *H. C. Brown* v. *McGill Tool Service et al.* Dismissed without prejudice Oct. 21, 1946.

2,227,393 (*a*), 2,227,394, 2,234,970, M. B. Lucker, Lifting jack; 2,227,396, same, Automobile jack; 2,227,397, same, Jack; 1,922,747, R. R. Roemer, Construction shore, D. C., S. D. Fla. (Jacksonville), Doc. 949–J, *Auto Specialties Mfg. Co. et al.* v. *Jacksonville Metal Mfg. Co.* Consent decree holding patents valid and infringed, injunction Oct. 18, 1946.

2,227,393 (*b*), 2,227,394, 2,234,970, M. B. Lucker, Lifting jack 2,227,396, same, Automobile jack; 2,227,397, same, Jack, D. C., S. D. N. Y., Doc. 34/310, *Auto Specialties Mfg. Co.* v. *Mercury Industrial.* Judgment favor of plaintiff, sustaining patents, adjudging infringement, and granting injunction (notice Oct. 23, 1946). Same, D. C. N. J. (Newark), Doc. 7080, *Auto Specialties Mfg. Co.* v. *Eisen Bros. & Co. et al.* Patents held infringed, injunction Oct. 28, 1946.

2,227,394. (See 2,227,393 (*a*) and (*b*).)

2,227,396. (See 2,227,393 (*a*) and (*b*).)

2,227,397. (See 2,227,393.) 2,234,970. (See 2,227,393.)

2,281,933, A. G. Gage, Differential pump, D. C., S. D. Calif. (Los Angeles), Doc. 5197–WM, *A. G. Gage* v. *Hughey & Phillips.* Consent decree holding claims infringed, injunction Oct. 21, 1946.

2,336,291, I. L. Phillips, Method of packing perishables and package, D. C., N. D. Calif., S. Div., Doc. 23694–G, *Seal-Pack Corp.* v. *A. T. Arena.* Claims 2, 3, 6 to 15 held not infringed; claims 1, 4, and 5 held invalid May 13, 1946.

2,341,392, G. W. Shreckhise, Apparatus for coating transfer fabrics, appeal filed Oct. 31, 1946, C. C. A., 4th Cir., Doc. 5552, *G. W. Shreckhise* v. *W. H. Ritchie et al.*

2,369,415, E. B. Sherman, Method of repairing cracked cylinder heads and blocks, appeal filed Oct. 23, 1946, C. C. A., 4th Cir., Doc. 5550, *A. Anthony et al.* v. *E. B. Sherman.*

2,382,949, I. McLaren, Bubble forming device, D. C., W. D. N. C. (Charlotte), Doc. —, *Toy Creations, Inc., et al.* v. *J. T. Duckworth et al.* Dismissed Oct. 17, 1946.

2,404,435, Cooper & Hohmann, Cigarette lighter, filed Oct. 29, 1946, D. C., S. D. N. Y., Doc. 34/431, *Taller & Cooper* v. *Dorsey-Walker Co.*

Re. 20,033, F. W. Hudson, Soft-rubber plug and socket body, D. C., S. D. N. Y., Doc. 37/196, *G. D. Hudson* v. *U. S. Rubber Co.* Consent decree favor plaintiff, sustaining patent, adjudging infringement (notice Oct. 22, 1946).

Re. 21,999 (of 2,019,140), A. R. Knelbler, Undergarment, filed Oct. 31, 1946, D. C., S. D. N. Y., Doc. 38/491, *Cooper's, Inc.*, v. *Arrow Knitting Mills.*

Re. 22,783 (*a*), R. G. Le Tourneau, Scraper, D. C., N. D. Calif. (Sacramento), Doc. 5667, *Wooldridge Mfg. Co.* v. *R. G. Le Tourneau, Inc.*

Re. 22,783 (of 1,963,665) (*b*), R. G. Le Tourneau, Scraper; 2,050,856, R. Peterson, Carrier scraper, filed Oct. 17, 1946, D. C., N. D. Calif. (San Diego), Doc. 26526–R, *R. G. Le Tourneau, Inc.* v. *Wooldridge Mfg. Co.*

Interference Notices

U. S. PATENT OFFICE, *Washington, D. C., Nov. 25, 1946.*

Henry S. Kahn, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Saenz, Briones & Cia, No. 1100 Paseo Colon Street, Buenos Aires, Argentina, for registration of a trade-mark and trade-mark registered April 17, 1945, No. 413,253, to Henry S. Kahn, 114–16 28th Street, New York, N. Y., and registrant having indicated that the registered mark may now be owned by an unknown successor to his business, notice is hereby given that unless such successor shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

Studio Hosiery Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Jacobs, Grossman and Rosenberg, Inc., Erie Ave. and "K" St., Philadelphia, Pa., for registration of a trade-mark and trade-mark registered September 4, 1928, No. 246,331, to Studio Hosiery Company, 1312 Washington Ave., St. Louis, Mo., and the notice of such declaration sent by registered mail to said Studio Hosiery Company at the said address of record having been returned by the post office as undeliverable, notice is hereby given that unless said Studio Hosiery Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

E. Guthrie Co., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Adella Dress Company, 1238 Callowhill St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of E. Guthrie Co., Paducah, Ky., No. 193,110, dated December 16, 1924, and the notice of such proceeding sent by registered mail to the said E. Guthrie Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said E. Guthrie Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

William F. MacConnell, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by McNeil Laboratories, Incorporated, 2900 N. Seventeenth St., Philadelphia, Pa., to effect the cancellation of trade-mark registration of William F. MacConnell, 602 Provident Bank Bldg., Cincinnati, Ohio, No. 267,009, dated February 11, 1930, and the notice of such proceeding sent by registered mail to the said MacConnell at the said address having been returned by the post office undeliverable, notice is hereby given that unless said MacConnell, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 8, 1946.*

Frankly Frocks, Inc., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Frankly Fabrics Corp., 1441 Broadway, New York, N. Y., to effect the cancellation of trade-mark registration of Frankly Frocks, Inc., 1333 Broadway, New York, N. Y., No. 349,987, dated September 14, 1937, and the notice of such proceeding sent by registered mail to the said Frankly Frocks, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Frankly Frocks, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in th OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 1,899,064. MANUFACTURE OF ELECTRODES. Patented Feb. 28, 1933. Method for making electrodes of good conductivity from pulverized graphite and a binder. Eliminates the baking process. The electrodes are useful as anodes in electro-chemical processes and particularly for the production at low cost of oxide of carbon. (Owner) Burgess Battery Co., Battery Div., Freeport, Ill. Att.: F. J. Kirkman, Vice President. Group 36—12. Reg. No. 4,362.

Pat. 1,938,334. VARIABLE CONDENSER. Patented Dec. 5, 1933. A rotary interleaving plate-type precision condenser which has a fixed minimum capacity and a continuously variable capacity in parallel therewith. The construction, though simple, is so designed that it is free from inconstancy due to axial movements of the rotor relative to the stator element. The various rotor plates are inherently at approximately the same potential at all times, thereby eliminating capacity changes in the presence of axial movements of the rotor. Sliding contacts and flexible connections are eliminated. (Owner) Burgess Battery Co., Battery Div., Freeport, Ill. Att.: F. J. Kirkman, Vice President. Group 36—19. Reg. No. 4,363.

Pat. 1,941,090. RADIO TUNING SYSTEM. Patented Dec. 26, 1933. A unitary tuning mechanism for receivers of frequencies exceeding 3000 kilocycles which is continuously accurately tunable at a relatively slow rate of frequency change over a wide range in frequency. The construction eliminates the necessity for changeable inductance coils or other alteration inside the receiver. It consists of a fine tuning element operating within a relatively "narrow selected" frequency band and a coarse tuning element which is continuously variable over the short-wave region. (Owner) Burgess Battery Co., Battery Div., Freeport, Ill. Att.: F. J. Kirkman, Vice President. Group 36—61. Reg. No. 4,364.

Pat. 2,081,703. ILLUMINATING DEVICE. Patented May 25, 1937. A combined light and switch designed particularly for automobile interiors. The lamp is so designed that when the protective ornamental globe, preferably made of translucent plastic, is screwed in or out the electrical contact is made or broken respectively. (Owner) Burgess Battery Co., Battery Div., Freeport, Ill. Att.: F. J. Kirkman, Vice President. Group 36—19. Reg. No. 4,365.

Pat. 2,090,846. SOLDERING FLUX. Patented Aug. 24, 1937. A soldering flux of the water-insoluble type made by the interaction of organic materials, such as resins, and stannic chloride. The flux so made is non-corrosive at ordinary temperatures and is very active at soldering temperatures. (Owner) Burgess Battery Co., Battery Div., Freeport, Ill. Att.: F. J. Kirkman, Vice President. Group 28—34. Reg. No. 4,366.

Pat. 2,121,412. METHOD FOR TREATING ZINC AND PRODUCT FORMED THEREBY. Patented June 21, 1938. The surface of zinc is treated to form an adherent coating of zinc oxide by subjecting it to the action of ammonium fluoride vapors. The treatment may be regulated to produce layers of different thicknesses, including a flash treatment for galvanized iron which produces a film of oxide that is useful as a bonding agent for paints. (Owner) Burgess Battery Co., Battery Div., Freeport, Ill. Att.: F. J. Kirkman, Vice President. Group 28—11. Reg. No. 4,367.

Pat. 2,390,890. METHOD OF SOLDERING. Patented Dec. 11, 1945. This method makes it possible to solder with metals, such as lead, ordinarily used with difficulty for this purpose. A composite soldering strip is made in which the solder metal is provided with a metallic backing element having a much smaller cross-sectional area and a much higher melting point than the solder. A specified technique is required when this soldering element is used. (Owner) Burgess Battery Co., Battery Div., Freeport, Ill., Att.: F. J. Kirkman, Vice President. Groups 28—34; 34—39. Reg. No. 4,368.

Pat. 2,401,784. COLLAPSIBLE TUBE. Patented June 11, 1946. A single rectangular sheet of impregnated paper or some cellulosic material is creased so that it will assume a polygonal form which facilitates collapsibility. A metallic strip is cemented within to prevent the tube from unwinding. A U-shaped clasp is used as a bottom closure. The tube is rolled to dispense contents such as toothpaste through a discharge neck at the upper end of the tube. (Owner) Walter Zahara, 5825 N. Medina Ave., Chicago 30, Ill. Groups 26—64; 34—92. Reg. No. 4,369.

Pat. 2,359,210. BORING AND CUTTING TOOL. Patented Sept. 26, 1944. Conventional boring bar of lathe has transverse bore which extends completely through bar. The bore is fitted with two bushings which are secured by welding. The first bushing has a square bore adapted to receive a tool bit. The bit is held in position by set screws, the first of which passes through opening of first bushing at right angles, the second engaging the inner end of the bit. The construction provides a simplified means for holding tool bit in position. (Co-owner) Harry R. Wright, 738½ 18th Ave. A, Moline, Ill. Group 35—43. Reg. No. 4,370.

Pat. 2,405,126. CONTROL MEANS FOR FUEL FEED SYSTEMS. Patented Aug. 6, 1946. A float-controlled valve which regulates flow of fuel in fuel feed systems. A valve casing is threaded in bottom of upstanding inlet nipple in reservoir of casing. Plunger valve fits in bore-like valve chamber and inlet nipple is connected to fuel supply. Permits a free flow of fuel when valve is opened but will quickly cut off flow when fuel reaches a predetermined level. (Owner) John E. Bates, 311 E. St. Joseph St., Lansing 15, Mich. Group 33—66. Reg. No. 4,371.

Pat. 2,403,775. GRINDER. Patented July 9, 1946. This grinder is designed to eliminate the hand filing of sheet metal templates or lay-out patterns. The machine has a motorized grinding tool arm over which is positioned an adjustable arm which, through the medium of a feeler wheel or tracer, functions to follow the pattern being ground. The arms are clamped to a base-supported upright and may be swung from side to side as necessary. By changing grinder wheels, materials of various thicknesses may be accommodated. (Owner) W. G. Wilson, 331 W. Amelia St., Fort William, Ontario, Canada. Group 35—41. Reg. No. 4,372.

Pat. 2,052,465. COVER STRUCTURE. Patented Aug. 25, 1936. A hinge is provided for a manhole or meter cover. The hinge is so constructed that the cover may readily be installed in its operative position, after which it cannot be detached unless the hinge is destroyed. The cover may also be kept in a locked position by means of a stud and locking lug. A wrench or other tool may be used to turn stud so that the lug may be disengaged. (Owner) Fred E. Hardy, Jr., Yantis Bldg., South Side City Square, Shelbyville, Ill. Group 33—93. Reg. No. 4,378.

Pat. 2,362,031. ANIMAL TRAP. Patented Nov. 7, 1944. Rat or mouse trap is of the spring-on-a-board type. An upstanding lever is pivotally connected to the baseboard and serves as a handle for conveniently placing

the trap on the floor (after it has been baited and set) with minimum danger of injury to fingers through the accidental releasing of the spring jaw. The leyer then serves to raise the spring jaw for removal of the trapped animal. (Co-owner) Esther M. Smith, 800 Main St., Indianapolis, Ind. Groups 25—99; 33—49. Reg. No. 4,374.

Pat. 2,211,876. AMUSEMENT RIDE. Patented Aug. 20, 1940. This patent relates to a class of amusement rides found at carnivals and similar shows. The "ride" produces a sensation similar to that experienced in the banked turns of toboggan runs. It comprises a rotary standard having a number of radiating tiltable arms each provided with a trackway and car. The operator of the device, by varying speed or tilting, forces the cars to alter position and spiral outwardly to assume a high "bank." A feature is that all cars are loaded simultaneously instead of in turn as is usual with such rides. Delayed loading, according to the inventor, results in loss of income, since it allows attention of onlookers to be diverted by other amusements. (Owner) Samuel G. Barnard, 3930 Warsaw St., Seattle 8, Wash. Groups 37—99; 39—49. Reg. No. 4,375.

Pat. 2,401,148. TOWEL RACK Patented May 28, 1946. A towel rack including a bar provided with pegs arranged in staggered relation across top edge to prevent towels from slipping. Bar is mounted in brackets secured to a wall or support. May be made of plastic, metal, or the like. (Owner) Clifford Gaffney, 1427 E. Adams St., Springfield, Ill. Groups 33—73; 39—81. Reg. No. 4,376.

Pat. 2,371,947. REVERSIBLE TIE. Patented Mar. 20, 1945. A machine-stitched reversible tie, with each side of a different color or design, is provided with two tucked linings having muslin strips stitched thereto and to sides of tie sections. Tie is knotted in usual fashion but will spring into shape when untied. (Owner) Frederick J. Benson, 3137 Rio Linda Blvd., North Sacramento, Calif. Group 23—X1. Reg. No. 4,377.

Pat. 2,389,665. ELECTRIC NAIL FILER. Patented Nov. 27, 1945. Electric nail file has the motor enclosed in a small casing which fits in palm of hand. A flange-like top encloses removable grinding wheel. After nails are filed grinding wheel is removed and a buffer wheel inserted. May be inexpensively manufactured. (Owner) Hyman Harris, 1727 Walton Ave., New York 53, N. Y. Group 36—21. Reg. No. 4,378.

Pat. 2,110,747. HARMONICA TESTER. Patented Mar. 8, 1938. A manually movable mouthpiece, the lip portions having flanges which frictionally engage sides of harmonica. Openings in tester are alignable with openings in harmonica to permit air forced through mouthpiece by a soft rubber bulb to pass to and test reeds. Adjustable to upper and lower reeds. (Owner) Charles Trevor, 40 Portero St., Santa Cruz, Calif. Group 39—39. Reg. No. 4,379.

Pat. 2,397,741. TIRE SHIELD. Patented Apr. 2, 1946. A protector plate to prevent injury to walls of tires mounted on dual wheels. Made of a rigid durable material of the contour of a tire and placed over inside wall of each tire. Provided with openings for circulation of air to prevent overheating of brakes. Assumes load of wheels when tires are flat and prevents tires being run on when deflated. Easily applied and removed. (Owner) Joseph A. Jordan, Jr., McGuire General Hospital, Ward 23 E. Richmond 19, Va. Groups 33—72; 38—31. Reg. No. 4,380.

Pat. 2,405,124. GARMENT HOLDER. Patented Aug. 6, 1946. An inexpensively manufactured compact holder for small articles of wearing apparel such as necktie, gloves, socks, handkerchiefs, etc. The flanges of cover section telescope over flanges of body section, and matching latching sockets and nibs frictionally hold sections together. Ties are held smoothly in position by slots at end of body section. Finger recesses are provided in cover for easy removal. (Owner) Prentice Gilliland, Cabin 3, Ideal Auto Court, 400 Pacific Ave., Santa Cruz, Calif. Groups 26—69; 31—61. Reg. No. 4,381.

Pat. 2,404,605. TUNNEL BORING MACHINE. Patented July 23, 1946. A pair of oppositely revolving drill bits, each of which is shaped to loosely mesh with the other, is mounted on a bed plate in driving connection with the main shaft of a vehicle. In operation, a vehicle is anchored against a tunnel wall. When the motor is started, the shaft rotates and the drill bits revolve about the axis of the main shaft. By means of gearing, rotary motion is imparted to the drill bits at that time so that the bits cut into the wall with a compound movement. A plunger exerts steady forward pressure against the wall and feeds the apparatus forward until the end of its forward travel, controlled by a slot in the bed plate, is reached and the motor stopped. The anchoring means are disconnected and the vehicle pushed forward, reanchored and the operation renewed. The drilling operation is continued by successive alternate drilling and advancing of the vehicle. (Owner) Howard O. Thompson, 650 Masonic Ave., San Francisco 17, Calif. Group 35—41. Reg. No. 4,382.

Pat. 2,399,866. LOCKING STRUCTURE FOR LADIES' HANDBAGS OR THE LIKE. Patented May 7, 1946. A locking device for handbags, compacts, cigarette cases, etc. Two resilient wires are mounted parallel to each other, one-half of each wire held by a latch member, the other half held by one of frame members. An immovable bolt is supported in other frame member, the head of which is inserted in cavity of latch. By applying pressure to latch wires are bent and head of bolt removed from latch, releasing frame member. (Co-Owner) Richard L. Mazarella, 195 Broadway, New York 7, N. Y. Groups 31—71; 34—51; 39—72. Reg. No. 4,383.

Pat. 2,401,814. AUTOMATIC WEAR COMPENSATING BALL-AND-SOCKET JOINT. Patented June 11, 1946. The housing forming the socket section of this joint has openings providing clearance for a tapered pin which fits the tapered opening of the bore section. The pin acts to urge the ball sections outwardly by means of a spring mounted at one end of the pin so that the ball sections may be easily expanded when necessary. A grease cup is mounted on the socket into which one end of the pin is disposed so that lubricant is delivered to the ball-and-socket joint at all times. (Owner) Paul B. Burhans, Redfield, Maine. Group 35—66. Reg. No. 4,384.

Pat. 2,403,632. CRUTCH TIP. Patented July 9, 1946. A resilient tip or pad is held by a cup-shaped washer and attached to the crutch leg by a screw. The screw holds a coil spring so that it is interposed between the screw head and the pad. The tip structure thus simulates universal-joint action without requiring the cumbersome joints usually employed for this purpose. The tip is guarded so that string, weeds, etc., cannot work themselves into the joint. (Owner) Lee L. Brown, Port Isable, Tex. Groups 35—59; 36—19. Reg. No. 4,385.

Pat. 2,332,113. ANTISKID CHAIN. Patented Oct. 19, 1943. The divided side-chain featured in this patent permits chain to be applied to an automobile tire without jacking up the car. The link employed reduces the number required, thirty-six links being used in each side chain instead of the fifty-two formerly necessary. Furthermore, ten cross chains are used instead of the conventional thirteen. The chain is applied by throwing one end around the wheel and hooking the two ends of the inner side chain together. The outside chain is then hooked and the chain draped over the tire. The chain is tightened by a simple twisting of a special hook and eye arrangement. Model available. (Owner) Jesse O. Reed, 7815 16th St., N. W., Washington, D. C. Group 33—49. Reg. No. 4,386.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 10, 1946

[VOL. 593. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 501,597. RAPSOL PROCESS, INC., New York, N. Y. Filed May 7, 1946.

Rapsolize

FOR VEGETABLE GUMS.
Claims use since June 15, 1945.

Ser. No. 501,861. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 10, 1946.

MONDUR

FOR SYNTHETIC RESINS IN SOLID AND SOLUTION FORMS FOR GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Apr. 29, 1946.

Ser. No. 501,909. A. HOLLANDER & SON, INC., Newark, N. J. Filed May 11, 1946.

MOUTRIA

FOR FUR SKINS—NAMELY, DYED LAMB SKINS.
Claims use since Feb. 21, 1946.

Ser. No. 502,267. CHARTER SEED COMPANY, Twin Falls, Idaho. Filed May 17, 1946.

Charter

Right to the use of the word "Seeds" is disclaimed apart from the mark.
FOR VEGETABLE AND FIELD SEEDS.
Claims use since Apr. 13, 1946.

Ser. No. 502,268. CHARTER SEED COMPANY, Twin Falls, Idaho. Filed May 17, 1946.

Charter

FOR VEGETABLE AND FIELD SEEDS.
Claims use since Apr. 13, 1946.

Ser. No. 502,423. F. BURKART MANUFACTURING COMPANY, St. Louis, Mo. Filed May 20, 1946.

ARCO

FOR DRESSED HORSE HAIR.
Claims use since 1935.

Ser. No. 502,762. NATIONAL SILVER COMPANY, New York, N. Y. Filed May 25, 1946.

NASCON

FOR BRISTLES FOR BRUSHES.
Claims use since Apr. 26, 1946.

CLASS 2

RECEPTACLES

Ser. No. 474,439. W. F. BABOR AND CO., INC., New York, N. Y. Filed Sept. 21, 1944.



No claim is made to the word "Pack," or to the abbreviations "N. Y. C.", and "U. S. A.", or to the name "Babor" except in the association shown.
FOR SHIPPING RECEPTACLES—NAMELY, WOODEN CASES AND BOXES.
Claims use since June 23, 1943.

Ser. No. 504,028. BERGEN PLASTICS, INC., Hackensack, N. J. Filed June 17, 1946.

LU'MALITE

FOR SALT AND PEPPER SHAKERS MADE OF PLASTIC MATERIALS.
Claims use since November 1945.

Ser. No. 509,002. JEROME HIRSCH, doing business as U. S. Stagalite Co., Chicago, Ill. Filed Sept. 13, 1946.

STAGALITE

FOR BLANKET BAGS, BLOUSE BAGS, AND LINGERIE BAGS.
Claims use since May 9, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 494,602. CAROL D. GARAPIC, doing business as Draga, Cleveland, Ohio. Filed January 11, 1946.



The line-shading in the drawing indicates the color green, and applicant hereby disclaims the exclusive right to the use of the outline of the label and the words "The," "Bag," "Trade-Mark," "Introduced By" apart from the mark as shown in the drawing.
FOR SCHOOL BAGS.
Claims use since June 1, 1945.

Ser. No. 495,146. MORRIS MANN & REILLY, Chicago, Ill. Filed Jan. 21, 1946.



The picture of the lady is fanciful. The representation of the handbag is disclaimed apart from the mark.
FOR LADIES' AND MISSES' HANDBAGS.
Claims use since November 1945.

Ser. No. 497,272. RYNOR, INC., New York, N. Y. Filed Feb. 26, 1946.

"RYNOR"

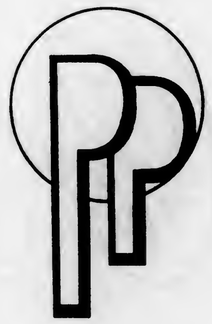
FOR LADIES' AND MISSES' HANDBAGS OF LEATHER, REPTILE SKIN, FABRIC, FUR, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Feb. 5, 1945.

Ser. No. 502,694. HOUSE OF ENGLAND, LTD., New York, N. Y. Filed May 24, 1946.

STAMP-TECTOR

No claim is made to the word "Stamp" apart from the mark.
FOR LEATHER CASES FOR CARRYING STAMPS.
Claims use since Feb. 1, 1946.

Ser. No. 507,421. PROTECTION PRODUCTS CO., Chicago, Ill. Filed Aug. 14, 1946.



FOR SADDLE BAGS, CARRY-ALL BAGS, AND KEY CASES MADE OF LEATHER OR IMITATION LEATHER.
Claims use since November 1936.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 496,509. HOME PRODUCTS LABORATORIES, Jackson Heights, Long Island, N. Y., assignor to Twinklecraft Laboratories, Inc., Jackson Heights, N. Y., a corporation of New York. Filed Feb. 13, 1946.

TWINKLE TUB

No claim is made to exclusive rights in the word "Tub" apart from the mark.
FOR DETERGENT AND WATER SOFTENING MATERIAL HAVING BUBBLE PRODUCING PROPERTIES.
Claims use since Dec. 27, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 499,291. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 29, 1946.

SOVASORB

FOR COMPOUNDED OIL USED TO INCREASE THE ABSORBENCY OF CELLULOSE PRODUCTS AND TEXTILE MATERIALS.
Claims use since Mar. 4, 1946.

Ser. No. 501,160. PEGGY BREED, New York, N. Y. Filed Apr. 30, 1946.



FOR ANTISEPTICS FOR CLEANSING OF PARTS OF THE FEMALE ORGANISM, IN POWDER, TABLET AND LIQUID FORM.
Claims use since Apr. 10, 1946.

Ser. No. 501,210. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 30, 1946.

CREMODIAZINE

FOR ANTIBACTERIAL SUSPENSION.
Claims use since Apr. 26, 1946.

Ser. No. 501,211. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 30, 1946.

CREMOMERAZINE

FOR ANTIBACTERIAL SUSPENSION.
Claims use since Apr. 26, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 501,849. LONDON ROYAL CORP., New York, N. Y. Filed May 10, 1946.

London Royal

Applicant disclaims the use of the word "London" except in relation and association with the word "Royal."
FOR SMOKERS' PIPES.
Claims use since March 1946.

Ser. No. 502,123. CUSTOM-BILT PIPES, INC., Indianapolis, Ind. Filed May 15, 1946.

CONVERTIBOLE

FOR SMOKERS' PIPES.
Claims use since Apr. 11, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 494,880. LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 11, 1946.

DUO-FLEX

FOR MORTAR.
Claims use since Nov. 30, 1945.

Ser. No. 500,652. MERWYN C. GILL, doing business as Peerless Plastic Products, Montebello, Calif. Filed Apr. 22, 1946.

WALLFAB

FOR FIBROUS MATERIAL IN SHEET FORM SUCH AS CLOTH AND/OR PAPER IMPREGNATED AND/OR COATED WITH PLASTIC AND ADAPTED TO BE AFFIXED TO WALLS TO PROVIDE A COVERING THEREFOR.
Claims use since Jan. 2, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-ING SUPPLIES

Ser. No. 489,5[illegible]. THE AIRCRAFTSMAN CO., Inglewood, Calif. Filed Oct. 8, 1945.

Coast Craft OF CALIFORNIA

The terms "California" and "Craft" are disclaimed apart from the mark.
FOR SKILLETS MADE OF METAL.
Claims use since Dec. 12, 1944.

Ser. No. 498,408. THE ENTERPRISE ALUMINUM COMPANY, Massillon, Ohio. Filed Mar. 18, 1946.



FOR BASE METAL COOKING HOLLOW WARE—NAMELY, DRIP COFFEE MAKERS, TEA KETTLES, PERCOLATORS, COVERED SAUCE PANS, COVERED SAUCE POTS, COVERED KETTLES, DOUBLE BOILERS, COMBINATION COOKERS AND LIPPED SAUCE PANS.
Claims use since Feb. 27, 1946.

Ser. No. 498,545. REEDER MANUFACTURING COMPANY, Los Angeles, Calif. Filed Mar. 19, 1946.

CREST

FOR ALUMINUM COOKING WARE—NAMELY, SAUCE PANS, DUTCH OVENS, SKILLETS, AND GRIDDLES.
Claims use since Aug. 15, 1945.

Ser. No. 498,704. ERNEST W. LEHMANN, Brooklyn, N. Y. Filed Mar. 21, 1946.

SPRAY KING

No claim is made to the word "Spray" apart from the mark.
FOR FAUCET SPRAY ATTACHMENTS—NAMELY, ATTACHMENTS FOR CONVERTING A SOLID STREAM OF WATER INTO A SPRAY.
Claims use since Feb. 3, 1946.

CLASS 21

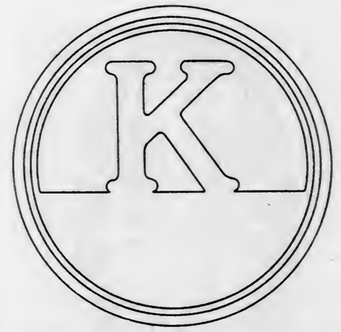
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 468,519. LONDEX LIMITED, London, England. Filed Mar. 22, 1944.

LONDEX

FOR ELECTRIC AND MAGNETIC RELAYS AND PARTS THEREOF.
Claims use since Dec. 24, 1937.

Ser. No. 485,288. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J. Filed June 30, 1945.



FOR FLAME ACTUATED ELECTRIC APPARATUS FOR CLOSING OF FIRE ALARM CIRCUITS, FIRE DETECTING APPARATUS COMPRISING ELECTRICALLY ACTUATED ALARM AND INDICATING APPARATUS TO INDICATE THE PRESENCE AND LOCATION OF FIRE UPON THE ACTUATION OF A HEAT RESPONSIVE MECHANISM INCLUDED IN THE ELECTRICAL SYSTEM, AND ELECTRICALLY-OPERATED FIRE ALARM APPARATUS.
Claims use since on or about Aug. 15, 1942, on electrically-operated firm alarm apparatus; since Nov. 9, 1942, on flame actuated electric apparatus for closing of fire alarm circuits; and since Feb. 11, 1943, on fire detecting apparatus comprising electrically actuated alarm and indicating apparatus to indicate the presence and location of fire upon the actuation of a heat responsive mechanism included in the electrical system.

Ser. No. 486,299. EXECUTONE, INC., New York, N. Y. Filed July 26, 1945.

Executone

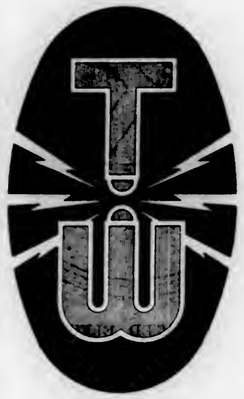
FOR AMPLIFIED VOICE TYPE OF INTER-COMMUNICATION EQUIPMENT COMPRISING INTER-OFFICE TELEPHONE COMMUNICATION APPARATUS, ELECTRICAL COMMUNICATION AMPLIFIERS, PUBLIC ADDRESS SYSTEMS, TELEPHONE APPARATUS, PAGING SYSTEMS, MICROPHONES, AND ELECTRIC LOUD SPEAKERS.
Claims use since February 1945.

Ser. No. 488,889. BOOSEY & HAWKES LIMITED, London, England. Filed Sept. 24, 1945.

WIREK

FOR ELECTRICAL SOUND RECORDING AND SOUND REPRODUCING INSTRUMENTS IN WHICH THE RECORDING IS MADE MAGNETICALLY ON A MAGNETIC WIRE OR TAPE FOR USE WITH RADIO, PHONOGRAPH, AND TELEVISION APPARATUS.
Claims use since December 1944.

Ser. No. 489,623. THE TAYLOR-WINFIELD CORPORATION, Warren, Ohio. Filed Oct. 8, 1945.



The lining on the drawing is for shading only.
FOR ELECTRIC WELDING APPARATUS.
Claims use since Aug. 15, 1945.

Ser. No. 492,904. MEYER DEMBY, New York, N. Y. Filed Dec. 8, 1945.

BAYBERRY BRASS

No claim is made to the word "Brass" apart from the mark.
FOR ELECTRIC LAMPS.
Claims use since Nov. 1, 1945.

Ser. No. 497,808. ARTHUR GEORGE MEIER, Roanoke, Va. Filed Mar. 7, 1946.



FOR FLASHLIGHT CELLS.
Claims use since Dec. 15, 1945.

Ser. No. 499,663. SOL PINSKY, doing business as Sherold Specialty Products, New York, N. Y. Filed Apr. 4, 1946.

"Dynazone"

FOR OZONIZER—NAMELY, AN ELECTRICAL APPARATUS FOR THE PRODUCTION OF OZONE.
Claims use since Jan. 5, 1946.

Ser. No. 500,582. S. & S. CONTROL CORPORATION, Brooklyn, N. Y. Filed Apr. 19, 1946.

Automatic Watchman

The word "Automatic" is disclaimed apart from the mark.
FOR ELECTRIC BURGLAR AND HOLDUP ALARM SYSTEMS.
Claims use since Mar. 15, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 490,228. MOSES CAMMER, New York, N. Y. Filed Oct. 20, 1945.

ATOM-BUSTER

FOR COMBINATION PIN BALL AND SHOOTING GAME.
Claims use since Aug. 1, 1945.

Ser. No. 491,040. COLVIN GRAHAM, Hassocks, England. Filed Nov. 3, 1945.

RAK-KOON

FOR CARD GAME (OTHER THAN ORDINARY PLAYING CARDS).
Claims use since Sept. 13, 1945.

Ser. No. 492,859. MILBURN M. ROSS, doing business as Ross Engineering & Equipment Co., Wichita, Kans. Filed Dec. 7, 1945.



Applicant makes no claim to the exclusive right of the word "Golf" and the representation of the hand and game piece apart from the mark.
FOR TABLE GOLF GAME.
Claims use since August 1942.

Ser. No. 501,131. JOYCE MANUFACTURING CO., Chicago, Ill. Filed Apr. 29, 1946.

Teach-a-Tune

The word "Tune" is disclaimed apart from the mark.
FOR TOY PIANOS.
Claims use since Feb. 15, 1946.

Ser. No. 501,767. PAL-TOM MANUFACTURING CORP., New York, N. Y. Filed May 9, 1946.

PALTOM RANCH

The mark consists of the words "Paltom Ranch."
FOR TOY PISTOL HOLSTERS.
Claims use since November 1945.

Ser. No. 501,768. PAL-TOM MANUFACTURING CORP., New York, N. Y. Filed May 9, 1946.

THE PAL OF ALL THE BOYS

No claim is made to the word "Boys" apart from the mark.
FOR TOY PISTOL HOLSTERS.
Claims use since November 1945.

Ser. No. 506,119. NORWALK LOCK COMPANY, New York, N. Y. Filed July 23, 1946.

BOOMTOWN

FOR KNOCKDOWN TOYS AND TOY CONSTRUCTION SETS.
Claims use since July 12, 1946.

Ser. No. 506,273. TECH-ART, INC., Milford, Ohio. Filed July 25, 1946.

STURDYBIRD

FOR TOYS—NAMELY, TOY TRUCKS, TOY DUMP VEHICLES AND TOY HOIST VEHICLES.
Claims use since July 6, 1946.

Ser. No. 506,731. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Aug. 2, 1946.

BLACK BEAUTY

The word "Black" is disclaimed apart from the mark.
FOR BOWLING BALLS.
Claims use since June 11, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 479,111. ROBERT H. CLARK, doing business as Robert H. Clark Company, Beverly Hills, Calif. Filed Jan. 29, 1945.

CLARC

FOR FIXTURE FOR TOOL GRINDERS WHICH ENABLES THE OPERATOR TO USE THE GRINDER FOR GRINDING THREADS, BORING BARS, TOOL HOLDERS AND CUTTING TOOLS—NAMELY, EXPANSIVE BITS, HOLE CUTTERS, SPOT FACERS, COUNTERBORES AND FLY CUTTERS.
Claims use since Jan. 4, 1945.

Ser. No. 482,963. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed May 4, 1945.

KLIFTON

FOR LAWN MOWERS.
Claims use since 1931.

Ser. No. 486,593. RALPH C. SPRINGER, doing business as The Crazy Daisy Winder Co., Beverly Hills, Calif. Filed Aug. 1, 1945.

CRAZY DAISY WINDER

No claim is made to the word "Winder" apart from the mark.
FOR HAND KNITTING TOOL FOR USE IN HOLDING LOOPED YARN OR THREAD IN THE FORMATION OF ARTICLES MADE TO DESIGN.
Claims use since July 1, 1945.

Ser. No. 487,546. CITY MACHINE COMPANY, Piqua, Ohio. Filed Aug. 25, 1945.

YELLOW HEAD

No claim is made to a dresser of the type described with the head colored yellow.
FOR EMERY WHEEL DRESSERS.
Claims use since 1915.

Ser. No. 496,532. AMERICAN MEASURING INSTRUMENTS CORP., New York, N. Y. Filed Feb. 14, 1946.

AMIC

FOR PRECISION MACHINE TOOLS—NAMELY, SPECIAL LAPPING MACHINES, SPECIAL GAGE GRINDING MACHINES, SPECIAL GRINDING SPINDLE, SPECIAL DRILL JIGS, SPECIAL JIG BORING MACHINES AND PARTS AND FIXTURES FOR THE SAME.
Claims use since July 1, 1941.

Ser. No. 498,151. KIMBALL-HILL, INCORPORATED, New York, N. Y. Filed Mar. 13, 1946.

ZIG-ZAG

FOR GARDEN AND FIELD HAND AND POWER OPERATED CULTIVATORS.
Claims use since Mar. 1, 1946.

Ser. No. 498,665. THE VIKING TOOL & MACHINE CORPORATION, Belleville, N. J. Filed Mar. 20, 1946.

VIKING

FOR DIES, MOLDS AND TAPPING AND SCREW FORMING APPARATUS.
Claims use since June 20, 1927.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 473,925. ARGUS, INCORPORATED, Ann Arbor, Mich. Filed Sept. 7, 1944.

argus

Applicant is the owner of Reg. Nos. 343,011, 364,229, 390,487, and 408,155. The representation of the doublet lens is disclaimed apart from the mark.
FOR LENSES FOR SCIENTIFIC APPARATUS AND INSTRUMENTS, PRISMS, REFLECTORS FOR SCIENTIFIC APPARATUS AND INSTRUMENTS AND OPTICAL FLATS.
Claims use since July 28, 1944.

Ser. No. 473,926. ARGUS, INCORPORATED, Ann Arbor, Mich. Filed Sept. 7, 1944.

argus

Applicant is the owner of Reg. Nos. 343,011, 364,229, 390,487, and 408,155.
FOR LENSES FOR SCIENTIFIC APPARATUS AND INSTRUMENTS, PRISMS, REFLECTORS FOR SCIENTIFIC APPARATUS AND INSTRUMENTS AND OPTICAL FLATS.
Claims use since July 28, 1944.

Ser. No. 489,120. EDWARD FORD HOPSON, Miami, Fla. Filed Sept. 28, 1945.

Sun-Brella

Disclaimer is made to the syllable "Sun" except in combination with other syllables, as appears in the mark.
FOR FRAMES FOR EYE GLASSES AND SUNGLASSES.
Claims use since July 9, 1945.

Ser. No. 491,861. THE LUFKIN RULE CO., Saginaw, Mich. Filed Nov. 19, 1945. Under 10-year proviso.

"RELIABLE"

Applicant is the owner of Reg. No. 45,720 (renewed).
FOR MEASURING TAPES.
Claims use since November 1892.

Ser. No. 491,863. THE LUFKIN RULE CO., Saginaw, Mich. Filed Nov. 19, 1945. Under 10-year proviso.

"STERLING"

Applicant is the owner of Reg. No. 45,721 (renewed).
FOR MEASURING TAPES.
Claims use since October 1893.

Ser. No. 491,864. THE LUFKIN RULE CO., Saginaw, Mich. Filed Nov. 19, 1945.

"Universal"

Applicant is the owner of Reg. No. 44,818 (renewed).
FOR MEASURING TAPES.
Claims use since June 1897.

Ser. No. 498,782. WILLIAM LIBEROFF, doing business as Tropical Importing Company, Miami, Fla. Filed Mar. 22, 1946.

TROPIC-RAY

No claim is made to the word "Ray" apart from the mark.
FOR SUN GLASSES, OPTICAL LENSES, AND OPTICAL FRAMES.
Claims use since Dec. 1, 1945.

Ser. No. 498,841. THE HANEEL COMPANY, Los Angeles, Calif. Filed Mar. 23, 1946.

Haneel TRI-VISION

No claim is made to the word "Tri-Vision" apart from the mark.
FOR STEREOSCOPIC CAMERAS, STEREOSCOPIC VIEWERS, AND STEREOSCOPIC VIEWER SLIDES.
Claims use since Oct. 15, 1945.

Ser. No. 501,149. WRIGHT'S AUTOMATIC MACHINERY COMPANY, Durham, N. C. Filed Apr. 29, 1946.

HY-TRA-LEC

FOR WEIGHING MACHINES.
Claims use since Mar. 29, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 503,187. CAVALCADE INDUSTRIES, INC., Chicago, Ill. Filed June 3, 1946.



FOR ELECTRIC HOUSEHOLD REFRIGERATORS.
Claims use since Oct. 15, 1945.

Ser. No. 504,050. LUBER-FINER INCORPORATED, Los Angeles, Calif. Filed June 17, 1946.

COMPOIL

FOR REFINING PACKS WHICH ARE IN THE FORM OF REPLACEABLE ELEMENTS COMPRISING FILTERING MATERIAL AND ARE ADAPTED TO BE PLACED IN FILTER HOUSINGS THROUGH WHICH LIQUIDS TO BE FILTERED ARE PASSED.
Claims use since Apr. 27, 1946.

Ser. No. 504,051. LUBER-FINER INCORPORATED, Los Angeles, Calif. Filed June 17, 1946.

MICROCELL

FOR REFINING PACKS WHICH ARE IN THE FORM OF REPLACEABLE ELEMENTS COMPRISING FILTERING MATERIALS AND ARE ADAPTED TO BE PLACED IN FILTER HOUSINGS THROUGH WHICH LIQUIDS TO BE FILTERED ARE PASSED.
Claims use since Apr. 27, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 487,853. NATIONAL JEWEL DISTRIBUTORS INC., New York, N. Y. Filed Aug. 31, 1945.

JEWEL

FOR PYROPHORIC LIGHTERS, AND PART THEREOF—NAMELY, THE THUMB SCREW AT THE BOTTOM OF THE LIGHTER.
Claims use since June 20, 1945.

Ser. No. 492,102. SPIEGEL, INC., Chicago, Ill. Filed Nov. 23, 1945.

FIRESIDE

FOR COAL, WOOD, AND OIL STOVES FOR HEATING PURPOSES.
Claims use since July 1938.

Ser. No. 485,506. READ MACHINERY COMPANY, INC., York, Pa. Filed Jan. 26, 1946.

READCO

FOR COMMERCIAL BAKING OVENS HEATED BY OIL, GAS, OR COAL.
Claims use since December 1932.

Ser. No. 503,163. KAPLAN BROS., New York, N. Y. Filed June 1, 1946.

Commodore

FOR GAS RANGES, GAS STOVES, AND GAS WATER HEATERS.
Claims use since Jan. 18, 1946.

Ser. No. 503,590. THE OHIO STEEL FOUNDRY COMPANY, Lima, Ohio. Filed June 10, 1946.

OHIOFLEX

The word "Ohio" is disclaimed apart from the mark.
FOR TRAYS FOR SUPPORTING WORK DURING TREATMENT IN CARBURIZING OR OTHER HEAT TREATING FURNACES.
Claims use since Feb. 18, 1946.

Ser. No. 504,146. AIRKEM, INC., New York, N. Y. Filed June 19, 1946.

airkem

FOR ODOR CONTROLLING EQUIPMENT CONSISTING OF DEODORANT DISPENSING VAPORIZERS FOR USE AS PARTS OF VENTILATING OR AIR CONDITIONING APPARATUS, AND FAN DRIVEN DEODORANT DISPENSING UNITS FOR USE IN DEODORIZING AND VENTILATING ROOMS, AUTOMOBILES, AIRPLANES, RAILROAD CARS AND SHIPS.
Claims use since May 29, 1944.

Ser. No. 506,145. UNADCO MANUFACTURING COMPANY, New Haven, Conn. Filed July 23, 1946.

UNADCO

FOR CHARCOAL BROILERS.
Claims use since May 27, 1946.

Ser. No. 508,149. ORVILLE E. ECKHOFF, San Antonio, Tex. Filed Aug. 28, 1946.

Cheesteak

FOR GAS AUTOMATIC COMBINATION BROILER, GRILL, AND WARMING OVEN, AND PARTS THEREOF.
Claims use since May 1, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 468,854. J. W. SPEAKER CORPORATION, Milwaukee, Wis. Filed Mar. 30, 1944.

MATCH-PATCH

The word "Patch" is disclaimed, except in the association shown.
FOR REPAIR EQUIPMENT FOR RUBBER ARTICLES—NAMELY, TIRE TUBE REPAIR KITS.
Claims use since December 1935.

CLASS 37

PAPER AND STATIONERY

Ser. No. 501,343. SCOTT PAPER COMPANY, Chester, Pa. Filed May 2, 1946.

Scotties

Applicant is the owner of Reg. Nos. 303,536, and 306,033.
FOR CLEANSING TISSUES.
Claims use since Jan. 26, 1933; and since May 10, 1943, in the form presented.

Ser. No. 501,625. ASSOCIATED CARD AND STATIONERY COMPANY, New York, N. Y. Filed May 8, 1946.

THINGS 'N STUFF

FOR SCRAP BOOKS.
Claims use since Dec. 27, 1945.

Ser. No. 502,040. UNITED WALLPAPER, INC., Chicago, Ill. Filed May 13, 1946.

VARLAR

FOR WALLPAPER, BORDERS, AND DECORATIVE PAPER COVERINGS TO BE USED UPON WALLS AND OTHER SURFACES AND SOLD IN ROLL OR SHEET FORM.
Claims use since Apr. 29, 1946.

Ser. No. 502,485. SIMON APTAKER, Atlanta, Ga. Filed May 21, 1946.

SUCCESS

FOR LEAD PENCILS.
Claims use since May 4, 1946.

Ser. No. 502,486. SIMON APTAKER, Atlanta, Ga. Filed May 21, 1946.

WOTAN

FOR LEAD PENCILS.
Claims use since May 4, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 488,225. R. G. LETOURNEAU, INC., Stockton, Calif. Filed Sept. 10, 1945.

now

HOUSE ORGAN PUBLISHED WEEKLY.
Claims use since May 29, 1936

CLASS 39

CLOTHING

Ser. No. 484,210. MARKAY WAIST HOUSE, New York, N. Y. Filed June 6, 1945.

Debcraft

Mascu - LINES

The word "Mascu-Lines" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' BLOUSES.
Claims use since May 28, 1945.

Ser. No. 503,427. JOSEPH H. COHEN & SONS, INC., New York, N. Y. Filed June 7, 1946.

VANITY FRIENDMAKER

FOR MEN'S CLOTHING—NAMELY, SUITS, TROUSERS, COATS, AND TOPCOATS.
Claims use since May 18, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 504,384. ARTHUR ALBERT PACK, JR., doing business as The Pedia Products Company, Silver Spring, Md. Filed June 21, 1946.

PEDIA-TREATS

Applicant disclaims the word "Treats" apart from the mark.
FOR TONGUE DEPRESSORS.
Claims use since June 8, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 486,519. DOMINGUEZ & DOMINGUEZ, LIMITADA, Lisbon, Portugal. Filed July 31, 1945.

"EXSUPE"

FOR PAPRIKA IN THE NATURAL STATE.
Claims use since May 1, 1945.

Ser. No. 491,783. SOUTH SHORE PACKING CORPORATION, Vermilion, Ohio. Filed Oct. 30, 1945.

BAR-B-LADE

FOR VEGETABLE AND FRUIT PRESERVES.
Claims use since Jan. 1, 1944.

Ser. No. 497,936. JACK ROSE CANDIES, INC., Philadelphia, Pa. Filed Mar. 9, 1946.

MINTARETTES

FOR CANDIES—NAMELY, CANDIES IN THE FORM OF CIGARETTES.
Claims use since Jan. 29, 1946.

Ser. No. 498,418. HALF MOON FRUIT & PRODUCE CO., San Francisco, Calif. Filed Mar. 18, 1946.

Melo-glow

Applicant is the owner of Reg. No. 206,559. The term "Melo" is disclaimed apart from the mark.
FOR PERSIAN, CASABA, AND HONEYDEW FRESH MELONS.
Claims use since July 20, 1922.

Ser. No. 501,964. FRANK M. FAIRBANKS, doing business as F. M. Fairbanks & Co., Seattle, Wash. Filed May 13, 1946.

CowLacsu

Applicant disclaims the word "Cow" apart from the mark.
FOR DRIED MILK.
Claims use since Apr. 30, 1946.

Ser. No. 503,589. NIELSEN BROS., El Centro, Calif. Filed June 10, 1946.
FOR FRESH VEGETABLES.

HEAD START

Claims use since Jan. 1, 1945.

Ser. No. 503,606. SOMIS LEMON ASSOCIATION, Oxnard, Calif. Filed June 10, 1946.

SEA SNAP

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 8, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 497,709. GOLD SEAL IMPORTERS, INC., New York, N. Y. Filed Mar. 6, 1946.

MIRAGLO

FOR SIMULATED LEATHER.
Claims use since Feb. 19, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 10, 1946

425,925. HYDRAULIC RIVETERS HAVING AIR-OPERATED MEANS FOR GENERATING THE HYDRAULIC PRESSURE. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.
Filed January 7, 1942. Serial No. 450,047. PUBLISHED MARCH 30, 1943. Class 23.

425,926. ENGINE STARTING MECHANISMS OF THE INERTIA, DIRECT CRANKING, MANUAL, FLUID PRESSURE, AND CARTRIDGE TYPES, ETC. BENDIX AVIATION CORPORATION, Teterboro, N. J.
Filed November 3, 1943. Serial No. 464,642. PUBLISHED SEPTEMBER 17, 1946. Class 23.

425,927. HAND OPERABLE ENDLESS CHAIN POWERED CHAIN HOISTS OF THE GRAVITY LOWERING TYPE. COFFING HOIST COMPANY, Danville, Ill.
Filed June 16, 1944. Serial No. 471,301. PUBLISHED SEPTEMBER 10, 1946. Class 23.

425,928. AUTOMOTIVE VEHICLES FOR TRAVELING OVER SNOW. TUCKER & SONS, Grass Valley, Calif.
Filed August 18, 1944. Serial No. 473,436. PUBLISHED SEPTEMBER 10, 1946. Class 19.

425,929. ELECTRIC PHONOGRAPHS AND REPRODUCERS. FRANKLIN PHOTOGRAPHIC INDUSTRIES, Chicago, Ill.
Filed August 25, 1944. Serial No. 473,600. PUBLISHED SEPTEMBER 10, 1946. Class 21.

425,930. METAL CUTTING MACHINES—NAMELY, MACHINES FOR CUTTING OFF PIECES OF METAL STOCK AND FOR NOTCHING PIECES OF METAL STOCK. DE WALT PRODUCTS CORPORATION, Lancaster, Pa.
Filed September 25, 1944. Serial No. 474,584. PUBLISHED SEPTEMBER 3, 1946. Class 23.

425,931. DRY BATTERIES. BOND ELECTRIC CORPORATION DIVISION OF WESTERN CARTRIDGE COMPANY, New Haven, Conn.
Filed December 15, 1944. Serial No. 477,595. PUBLISHED MAY 8, 1945. Class 21.

425,932. TEXTILE FABRICS IN THE PIECE OF RAYON, SILK, AND MIXTURES THEREOF. FOLKER FABRICS, New York, N. Y.
Filed January 12, 1945. Serial No. 478,547. PUBLISHED MAY 7, 1946. Class 42.

425,933. BOOKS, CATALOGUES, POSTERS, LEAFLETS, PERIODICALS, MAPS, BROADSIDES. VICTOR STRAUSS, New York, N. Y.
Filed March 28, 1945. Serial No. 481,444. PUBLISHED OCTOBER 23, 1945. Class 38.

425,934. NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS. JOSEPH H. MEYER BROS., Brooklyn, N. Y.
Filed April 7, 1945. Serial No. 481,853. PUBLISHED SEPTEMBER 10, 1946. Class 28.

425,935. RADIO RECEIVING SETS AND RADIO TRANSMITTING SETS. MINERVA CORPORATION OF AMERICA, New York, N. Y.
Filed April 7, 1945. Serial No. 481,854. PUBLISHED SEPTEMBER 3, 1946. Class 21.

425,936. WATCHES. WALTHAM WATCH COMPANY, Waltham, Mass.
Filed April 12, 1945. Serial No. 482,081. PUBLISHED SEPTEMBER 10, 1946. Class 27.

425,937. METAL CUTTING TOOLS—NAMELY, TWIST DRILLS, REAMERS, END MILLS, MILLING CUTTERS, BORERS, AND SINGLE AND MULTIPLE POINT METAL CUTTING CARBIDE TIPPED TOOLS FOR USE ON LATHES. NELCO TOOL CO., INC., New York, N. Y.
Filed April 21, 1945. Serial No. 482,438. PUBLISHED OCTOBER 9, 1945. Class 23.

425,938. BOTTLE BEER. OHIO BREWERY, INC., Columbus, Ohio.
Filed April 26, 1945. Serial No. 482,637. PUBLISHED SEPTEMBER 17, 1946. Class 48.

425,939. MOTOR OPERATED PUMPS, HAND OPERATED PUMPS, HYDRAULIC CYLINDER AND PISTON ASSEMBLIES, AND HYDRAULIC MOTION-TRANSMITTING APPARATUS INCLUDING CYLINDER AND PISTON, ETC. ADEL PRECISION PRODUCTS CORP., Burbank, Calif.
Filed May 1, 1945. Serial No. 482,827. PUBLISHED SEPTEMBER 3, 1946. Class 23.

425,940. HAND OPERATED TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS, LETTUCE CUTTERS, THISTLE, DOCK, AND WEED CUTTERS, ETC. THE UNION FORK AND HOE COMPANY, Columbus, Ohio.
Filed May 5, 1945. Serial No. 483,045. PUBLISHED SEPTEMBER 3, 1946. Class 23.

425,941. MONTHLY NEWS PUBLICATION. THE CROSLEY CORPORATION, Cincinnati, Ohio.
Filed May 9, 1945. Serial No. 483,133. PUBLISHED SEPTEMBER 10, 1946. Class 38.

425,942. FINGER RINGS. GRANAT BROS., INC., San Francisco, Calif.
Filed May 21, 1945. Serial No. 483,615. PUBLISHED SEPTEMBER 17, 1946. Class 28.

425,943. MILKING MACHINES, AND CREAM SEPARATORS. SPIEGEL, INC., Chicago, Ill.
Filed May 21, 1945. Serial No. 483,635. PUBLISHED AUGUST 27, 1946. Class 23.

425,944. GREETING CARDS AND GREETING FOLDERS, BOOKLETS OF CHILDREN'S STORIES, CALENDARS AND DECORATIVE PRINTED TAGS. NORCROSS, New York, N. Y.
Filed May 29, 1945. Serial No. 483,913. PUBLISHED SEPTEMBER 3, 1946. Class 38.

425,945. DIAMONDS, DIAMOND RINGS, STONE RINGS, WEDDING RINGS, DIAMOND WEDDING RINGS, RING MOUNTINGS AND WEDDING RING MOUNTINGS. ABE A. FRIEDMAN, Augusta, Ga.
Filed July 3, 1945. Serial No. 485,405. PUBLISHED SEPTEMBER 17, 1946. Class 28.

425,946. NEEDLES FOR SEWING BY HAND, HAT PINS, TOILET PINS, KNITTING PINS, SAFETY PINS, HAIR PINS, CROCHET HOOKS, AND NEEDLE CASES. MORRIS & YEOMANS LIMITED, Redditch, England.
Filed July 13, 1945. Serial No. 485,790. PUBLISHED AUGUST 27, 1946. Class 40.

425,947. WOVEN COTTON FABRICS IN THE GREIGE, BLEACHED OR DYED, AND COATED WITH A VINYL PLASTIC COATING, AND EMBOSSED IN DIFFERENT PATTERNS. ASHER & BORETZ, INC., New York, N. Y.
Filed July 16, 1945. Serial No. 485,853. PUBLISHED SEPTEMBER 10, 1946. Class 42.

425,948. MECHANICAL AND ELECTRICAL REFRIGERATING DEVICES—NAMELY, ICE CUBE MAKING AND DISPENSING APPARATUS, DOMESTIC AND COMMERCIAL REFRIGERATORS, ETC. GENERAL AIRCRAFT EQUIPMENT, INC., South Norwalk, Conn., assignor to Panelectric Corporation, South Norwalk, Conn., a corporation of Delaware.
Filed July 27, 1945. Serial No. 486,365. PUBLISHED APRIL 2, 1946. Class 31.

425,949. CARBONATING MACHINES, MACHINES FOR FILLING BOTTLES, MACHINES FOR MIXING BEVERAGES, MACHINES FOR APPLYING CROWNS TO BOTTLES, ETC. THE LIQUID CARBONIC CORPORATION, Chicago, Ill.
Filed August 8, 1945. Serial No. 486,906. PUBLISHED AUGUST 27, 1946. Class 23.

425,950. HAIR GROWER, SCALP CREAM, AND HAIR DRESSING. LILLIAN PETTRESS, doing business as Solar Hair and Scalp Co., New York, N. Y.
Filed August 18, 1945. Serial No. 487,295. PUBLISHED JULY 16, 1946. Class 6.

425,951. PREPARATION OF MUSTARD FORMING A RELISH, CONDIMENT OR SAUCE. RECKITT & COLMAN LIMITED, Hull, England.
Filed September 20, 1945. Serial No. 488,774. PUBLISHED SEPTEMBER 10, 1946. Class 46.

425,952. ELECTRONIC DEVICES AND EQUIPMENT—NAMELY, RADIO RECEIVING SETS INCLUDING TABLE AND OTHER MODELS AND PARTS THEREOF, ETC. MECTRON CORPORATION, Lawrence, Mass.
Filed September 25, 1945. Serial No. 488,968. PUBLISHED AUGUST 20, 1946. Class 21.

425,953. ELECTRONIC DEVICES AND EQUIPMENT—NAMELY, RADIO RECEIVING SETS INCLUDING TABLE AND OTHER MODELS AND PARTS THEREOF, ETC. MECTRON CORPORATION, Lawrence, Mass.
Filed September 25, 1945. Serial No. 488,969. PUBLISHED AUGUST 20, 1946. Class 21.

425,954. MAYONNAISE, SANDWICH SPREAD COMPOSED OF PICKLES AND DRESSING, HOME STYLE DILL PICKLES, ETC. WHEATLEY MAYONNAISE CO., INC., Louisville, Ky.
Filed October 1, 1945. Serial No. 489,242. PUBLISHED SEPTEMBER 17, 1946. Class 46.

425,955. REAR VISION MIRRORS AND PARTS THEREFOR, EXHAUST PIPE GAS DEFLECTORS, AND GAS TANK CAPS. ROBINS-BERKE CO., Norwalk, Conn., assignor to The Roberk Company, Norwalk, Conn., a corporation of Connecticut.
Filed October 2, 1945. Serial No. 489,285. PUBLISHED SEPTEMBER 10, 1946. Class 19.

425,956. FEATURE PAGE IN A WEEKLY PERIODICAL. SCHOLASTIC CORPORATION, New York, N. Y.
Filed October 5, 1945. Serial No. 489,492. PUBLISHED SEPTEMBER 10, 1946. Class 38.

425,957. FRESH CITRUS FRUITS. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed October 8, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 489,596. PUBLISHED SEPTEMBER 3, 1946. Class 46.

425,958. WINES. ETIVISTA WINERY & VINEYARDS, Cucamonga and Etiwanda, Calif.
Filed October 17, 1945. Serial No. 490,062. PUBLISHED SEPTEMBER 17, 1946. Class 47.

425,959. FLUORESCENT LIGHTING FIXTURES. WATCO ENGINEERING, INC., Cleveland, Ohio.
Filed October 31, 1945. Serial No. 490,866. PUBLISHED AUGUST 20, 1946. Class 21.

425,960. TRAILERS AND PARTS THEREOF. THE GEMCO ENGINEERING & MANUFACTURING CO., INC., Cincinnati, Ohio.
Filed November 3, 1945. Serial No. 491,004. PUBLISHED SEPTEMBER 10, 1946. Class 19.

425,961. PIECE GOODS OF COTTON, RAYON, WOOL, OR MIXTURES THEREOF. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name to Dan River Mills, Incorporated.
Filed November 16, 1945. Serial No. 491,734. PUBLISHED MARCH 19, 1946. Class 42.

425,962. NEWSLETTERS PUBLISHED FROM TIME TO TIME TO REFLECT IN POPULAR FORM SOCIAL, SCIENTIFIC, AND ARTISTIC HAPPENINGS THROUGHOUT THE WORLD. ENCYCLOPAEDIA BRITANNICA, INC., Chicago, Ill.
Filed November 29, 1945. Serial No. 492,370. PUBLISHED SEPTEMBER 10, 1946. Class 38.

425,963. NEWSLETTERS PUBLISHED FROM TIME TO TIME CONTAINING GENERALLY INACCESSIBLE MATERIAL IN DIGEST FORM OF THE WRITTEN OPINIONS OF AUTHORITIES IN THE FIELDS OF ECONOMICS, WORLD MILITARY STRATEGY AND POLITICS. ENCYCLOPAEDIA BRITANNICA, INC., Chicago, Ill.
Filed November 29, 1945. Serial No. 492,371. PUBLISHED SEPTEMBER 10, 1946. Class 38.

425,964. MAGAZINE PUBLISHED MONTHLY ON SUBJECTS OF INTEREST TO VETERANS. HENCE ASSOCIATES, INC., Chicago, Ill.
Filed November 30, 1945. Serial No. 492,439. PUBLISHED SEPTEMBER 10, 1946. Class 38.

425,965. PLASTIC PLATED JEWELRY—NAMELY, NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, ETC. ACCESSOCRAFT PRODUCTS CO., New York, N. Y.
Filed December 5, 1945. Serial No. 492,672. PUBLISHED SEPTEMBER 10, 1946. Class 28.

425,966. KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, CAN OPENERS, SPOONS, ETC. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed December 5, 1945. Serial No. 492,696. PUBLISHED AUGUST 27, 1946. Class 23.

425,967. KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, ETC. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed December 5, 1945. Serial No. 492,698. PUBLISHED SEPTEMBER 10, 1946. Class 23.

425,968. KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, ETC. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed December 5, 1945. Serial No. 492,699. PUBLISHED SEPTEMBER 10, 1946. Class 23.

425,969. COLOR-PRINTS AND BOOKS MONTHLY PUBLISHED. ROBERT FREUND, doing business as The Twin Editions, New York, N. Y.
Filed December 11, 1945. Serial No. 493,059. PUBLISHED SEPTEMBER 10, 1946. Class 38.

425,970. ELECTRIC INTER-COMMUNICATION LOUD SPEAKER RADIO TUBE-SET APPARATUS FOR OFFICE OR OTHER SUCH USE. ELECTRONIC LABORATORIES, INC., Indianapolis, Ind.
Filed December 12, 1945. Serial No. 493,110. PUBLISHED SEPTEMBER 10, 1946. Class 21.

425,971. ELECTRICALLY HEATED COOKING UNITS UTILIZING A HEATED OIL FOR THE HEAT TRANSFERRING MEDIUM. DEACON PRODUCTS, INC., Moline, Ill.
Filed December 14, 1945. Serial No. 493,258. PUBLISHED SEPTEMBER 17, 1946. Class 21.

425,972. C-TYPE CLAMPS. RAPID-TITAN MFG. CO., Grand Rapids, Mich.
Filed December 22, 1945. Serial No. 493,824. PUBLISHED AUGUST 20, 1946. Class 23.

425,973. PIECE GOODS COMPOSED WHOLLY OR IN PART OF WOOL, HAIR, SILK, RAYON, COTTON, HEMP, FLAX, JUTE, ALPHA FIBRE, ALOE FIBRE, VEGETABLE FIBRE, OR MIXTURES THEREOF. SYNDICAT DES FABRICANTS DE SOIERIES ET TISSUS DE LYON, Lyon, France.
Filed December 22, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 493,846. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,974. RAYON PIECE GOODS. DUPLEX FABRICS CORPORATION, New York, N. Y.
Filed December 27, 1945. Serial No. 493,921. PUBLISHED SEPTEMBER 10, 1946. Class 42.

425,975. CANES. WILLIAM H. MASON, Leesburg, Ohio.
Filed December 29, 1945. Serial No. 494,097. PUBLISHED SEPTEMBER 10, 1946. Class 41.

425,976. NON-ELECTRICAL HAIR CURLERS, NOT MADE OF PRECIOUS METAL. TONI, INCORPORATED, St. Paul, Minn., assignor to Noma, Incorporated, St. Paul, Minn., a corporation of Minnesota.
Filed December 29, 1945. Serial No. 494,143. PUBLISHED SEPTEMBER 10, 1946. Class 40.

425,977. SUPPORT FOR VENETIAN BLIND SLATS. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed January 5, 1946. Serial No. 494,329. PUBLISHED AUGUST 6, 1946. Class 40.

425,978. SUPPORT FOR VENETIAN BLIND SLATS. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed January 5, 1946. Serial No. 494,331. PUBLISHED AUGUST 6, 1946. Class 40.

425,979. SUPPORT FOR VENETIAN BLIND SLATS. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed January 5, 1946. Serial No. 494,332. PUBLISHED AUGUST 6, 1946. Class 40.

425,980. SUPPORT FOR VENETIAN BLIND SLATS. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed January 5, 1946. Serial No. 494,333. PUBLISHED AUGUST 6, 1946. Class 40.

425,981. SUPPORT FOR VENETIAN BLIND SLATS. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed January 5, 1946. Serial No. 494,334. PUBLISHED SEPTEMBER 10, 1946. Class 40.

425,982. MARINE AND DEEP SEA FISHING EQUIPMENT—NAMELY, RUDDERS, BOLLARDS, BITTS, AND CHOCKS. NEW ENGLAND TRAWLER EQUIPMENT CO., Chelsea, Mass.
Filed January 8, 1946. Serial No. 494,457. PUBLISHED SEPTEMBER 17, 1946. Class 19.

425,983. HAIR PINS NOT MADE OF PRECIOUS METAL OR METALS. IVY PRODUCTS CO., New York, N. Y.
Filed January 11, 1946. Serial No. 494,609. PUBLISHED AUGUST 27, 1946. Class 40.

425,984. SCISSORS. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed January 12, 1946. Serial No. 494,658. PUBLISHED SEPTEMBER 17, 1946. Class 28.

425,985. FILTERING APPARATUS FOR THE CLARIFICATION AND PURIFICATION OF AQUEOUS LIQUIDS AND SUSPENSIONS. INFILCO INCORPORATED, Chicago, Ill.
Filed January 12, 1946. Serial No. 494,685. PUBLISHED SEPTEMBER 17, 1946. Class 31.

425,986. FINGER RINGS. MORRIS ROSENBLOOM & CO., INC., Rochester, N. Y.
Filed January 15, 1946. Serial No. 494,799. PUBLISHED SEPTEMBER 10, 1946. Class 28.

425,987. MENDING OR SEWING KITS EQUIPPED WITH NEEDLES, SCISSORS, THIMBLE, AND YARN FOR SEWING; NEEDLE CASES HOLDING STITCH HOLDER, KNIT COUNT, AND NEEDLES FOR KNITTING AND CROCHETING WORK. ERNA EISEMANN, doing business as Pygmalion, Chicago, Ill.
Filed January 18, 1946. Serial No. 494,960. PUBLISHED AUGUST 27, 1946. Class 40.

425,988. TEXTILE FABRICS IN THE PIECE, IN THE NATURE OF DAMASK, BROCADE AND SATIN, MADE OF SILK AND COTTON AND MIXTURES THEREOF. FRANCO SCALAMANDRÉ, doing business as Scalamandré Silks, New York, N. Y.
Filed January 18, 1946. Serial No. 494,980. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,989. STEEL HAND TOOLS—NAMELY, AWLS, COUNTERSINKS, CLAMPS, CHISELS, DRILLS, HACKSAWS, HAMMERS, REAMERS, RATCHETS, SCREW DRIVERS, SOCKETS, AND WRENCHES. VACO PRODUCTS COMPANY, Chicago, Ill., assignor to Vaco Products Company, a corporation of Illinois.
Filed January 18, 1946. Serial No. 494,984. PUBLISHED SEPTEMBER 10, 1946. Class 23.

425,990. STEEL HAND TOOLS—NAMELY, AWLS, COUNTERSINKS, CLAMPS, CHISELS, DRILLS, HACKSAWS, ETC. VACO PRODUCTS COMPANY, Chicago, Ill., assignor to Vaco Products Company, a corporation of Illinois.
Filed January 18, 1946. Serial No. 494,985. PUBLISHED SEPTEMBER 10, 1946. Class 23.

425,991. STEEL HAND TOOLS—NAMELY, SCREW DRIVERS. VACO PRODUCTS COMPANY, Chicago, Ill., assignor to Vaco Products Company, a corporation of Illinois.
Filed January 18, 1946. Serial No. 494,991. PUBLISHED SEPTEMBER 10, 1946. Class 23.

425,992. CORN SHELLERS FOR FEED. HARVEY MANUFACTURING COMPANY, Racine, Wis.
Filed January 19, 1946. Serial No. 495,028. PUBLISHED AUGUST 27, 1946. Class 23.

425,993. WINES. THE BUGLER BRAND AND AGENCIES LTD., Vancouver, British Columbia, Canada.
Filed January 28, 1946. Serial No. 495,537. PUBLISHED SEPTEMBER 10, 1946. Class 47.

425,994. BEER. THE BUGLER BRAND AND AGENCIES LTD., Vancouver, British Columbia, Canada.
Filed January 28, 1946. Serial No. 495,538. PUBLISHED SEPTEMBER 10, 1946. Class 48.

425,995. THERMO-PLASTIC POTTING COMPOUND FOR SEALING AND INSULATING ELECTRICAL UNITS. ERNST BISCHOFF COMPANY, INC., Ivoryton, Conn.
Filed January 29, 1946. Serial No. 495,568. PUBLISHED SEPTEMBER 3, 1946. Class 21.

425,996. PHOTOGRAPHIC PRINTS. TECHNIFINISH LABORATORY, INC., Rochester, N. Y.
Filed February 1, 1946. Serial No. 495,844. PUBLISHED SEPTEMBER 17, 1946. Class 38.

425,997. COMMON PINS MADE OF BRASS OR STEEL, EITHER PLATED OR NOT PLATED. THE UNION PIN COMPANY, Winsted, Conn.
Filed February 4, 1946. Serial No. 496,000. PUBLISHED SEPTEMBER 3, 1946. Class 40.

425,998. LINEN PIECE GOODS. STEVENSON'S MOYGASHEL LINENS, LTD., New York, N. Y.
Filed February 5, 1946. Serial No. 496,051. PUBLISHED SEPTEMBER 17, 1946. Class 42.

425,999. WOOLEN PIECE GOODS. WALTHER MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 7, 1946. Serial No. 496,183. PUBLISHED SEPTEMBER 17, 1946. Class 42.

426,000. WOOLEN PIECE GOODS. WALTHER MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 7, 1946. Serial No. 496,184. PUBLISHED SEPTEMBER 17, 1946. Class 42.

426,001. ELECTRIC RANGE SURFACE HEATING UNITS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 9, 1946. Serial No. 496,339. PUBLISHED SEPTEMBER 10, 1946. Class 21.

426,002. C-CLAMPS. GRAND SPECIALTIES COMPANY, Chicago, Ill.
Filed February 11, 1946. Serial No. 496,379. PUBLISHED SEPTEMBER 3, 1946. Class 23.

426,003. SEMI-PORTABLE PIPE, BOLT, AND ROD THREADING AND CUTTING OFF MACHINES. THE OSTER MANUFACTURING COMPANY, Cleveland, Ohio.
Filed February 11, 1946. Serial No. 496,401. PUBLISHED SEPTEMBER 3, 1946. Class 23.

426,004. LAWN EDGERS. LEO CAPLAN, Detroit, Mich.
Filed February 14, 1946. Serial No. 496,539. PUBLISHED SEPTEMBER 10, 1946. Class 23.

426,005. SACHET ARTICLES—NAMELY, SACHET PILLOWS, HAVING POCKETS FOR HOLDING ARTICLES, ETC. RICHMOND-PHILLIPS, New York, N. Y.
Filed February 14, 1946. Serial No. 496,573. PUBLISHED SEPTEMBER 3, 1946. Class 40.

426,006. WRENCHES AND OTHER SPECIAL TOOLS FOR REPAIRING WATCHES. L G MANUFACTURING CO., Oakland, Calif.
Filed February 18, 1946. Serial No. 496,847. PUBLISHED SEPTEMBER 10, 1946. Class 23.

426,007. EXTRUSION PRESSES FOR PLASTICS. NATIONAL RUBBER MACHINERY COMPANY, Akron, Ohio.
Filed February 18, 1946. Serial No. 496,855. PUBLISHED SEPTEMBER 3, 1946. Class 23.

426,008. ELECTRIC LAMPS. LOUIS W. ROBINSON, doing business as Lu Rae Plastic Fabricators, Kansas City, Mo.
Filed February 18, 1946. Serial No. 496,862. PUBLISHED SEPTEMBER 3, 1946. Class 21.

426,009. DAILY NEWSPAPER. CORNING LEADER, INC., Corning, N. Y.
Filed February 19, 1946. Serial No. 496,895. PUBLISHED SEPTEMBER 10, 1946. Class 38.

426,010. AUTOMOBILE STORAGE BATTERIES. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed February 20, 1946. Serial No. 496,944. PUBLISHED SEPTEMBER 10, 1946. Class 21.

426,011. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF, TRANSMITTING AND/OR RECEIVING ANTENNA, AND TRANSMISSION LINE EQUIPMENT, ETC. FRANCIS L. DE HARO, doing business as Canton Trading Co., New York, N. Y.
Filed February 23, 1946. Serial No. 497,073. PUBLISHED SEPTEMBER 17, 1946. Class 21.

426,012. COMMERCIAL LAUNDRY AND DRY CLEANING EQUIPMENT—NAMELY, GARMENT PRESSING MACHINES, LAUNDRY PRESSING MACHINES, ETC. PANTEX MANUFACTURING CORPORATION, Pawtucket, R. I.
Filed February 23, 1946. Serial No. 497,124. PUBLISHED SEPTEMBER 17, 1946. Class 24.

426,013. RAZOR BLADE HOLDERS FOR USE IN SHARPENING BY HONING OR STROPPING. MICHAEL MALECKI, doing business as Michael Malecki Co., Brooklyn, N. Y.
Filed February 28, 1946. Serial No. 497,392. PUBLISHED SEPTEMBER 17, 1946. Class 23.

426,014. COMMERCIAL LAUNDRY AND DRY CLEANING EQUIPMENT—NAMELY, GARMENT PRESSING MACHINES, LAUNDRY PRESSING MACHINES, ETC. PANTEX MANUFACTURING CORPORATION, Pawtucket, R. I.
Filed February 28, 1946. Serial No. 497,405. PUBLISHED SEPTEMBER 17, 1946. Class 24.

426,015. SOIL TILLING AND CULTIVATING MACHINES. ROTOTILLER INC., Troy, N. Y.
Filed March 1, 1946. Serial No. 497,498. PUBLISHED AUGUST 20, 1946. Class 23.

426,016. DRY RECTIFIERS INCLUDING COPPER OXIDE TYPE DRY RECTIFIERS AND SELENIUM TYPE DRY RECTIFIERS. SCHAUER MACHINE COMPANY, Cincinnati, Ohio.
Filed March 5, 1946. Serial No. 497,680. PUBLISHED AUGUST 20, 1946. Class 21.

426,017. CIRCULATOR FAN ASSEMBLIES. KISCO COMPANY, INC., St. Louis, Mo.
Filed March 6, 1946. Serial No. 497,720. PUBLISHED AUGUST 27, 1946. Class 21.

426,018. GEARS. GLEASON WORKS, Rochester, N. Y.
Filed March 7, 1946. Serial No. 497,791. PUBLISHED AUGUST 27, 1946. Class 23.

426,019. FILES AND RASPS. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa.
Filed March 8, 1946. Serial No. 497,850. PUBLISHED AUGUST 27, 1946. Class 23.

426,020. HAND PUMP FOR BICYCLES AND AUTOMOBILE TIRES. FEDERAL AUTO PRODUCTS COMPANY, Chicago, Ill.
Filed March 8, 1946. Serial No. 497,853. PUBLISHED AUGUST 20, 1946. Class 23.

426,021. LININGS FOR TUBE MILLS. F. L. SMIDTH & CO., New York, N. Y.
Filed March 9, 1946. Serial No. 497,976. PUBLISHED SEPTEMBER 3, 1946. Class 23.

426,022. ORNAMENTAL JEWELRY—NAMELY, PINS, BROOCHES, LOCKETS, EARRINGS, BRACELETS, NECKLACES, COMPACTS, FINGER RINGS, ETC. NEW ENGLAND GLASS WORKS, INC., Providence, R. I.
Filed March 12, 1946. Serial No. 498,072. PUBLISHED SEPTEMBER 10, 1946. Class 28.

426,023. COSTUME JEWELRY, AND BRACELETS, FINGER RINGS, NECKLACES, MADE OF PRECIOUS OR SEMI-PRECIOUS METALS. D. RODITI & SONS, INC., New York, N. Y.
Filed March 12, 1946. Serial No. 498,082. PUBLISHED SEPTEMBER 10, 1946. Class 28.

426,024. FILES. AMERICAN SWISS FILE & TOOL COMPANY, Elizabeth, N. J.
Filed March 13, 1946. Serial No. 498,104. PUBLISHED AUGUST 27, 1946. Class 23.

426,025. RADIO RECEIVING SETS. H. L. GREEN COMPANY, INC., New York, N. Y.
Filed March 13, 1946. Serial No. 498,137. PUBLISHED SEPTEMBER 17, 1946. Class 21.

426,026. PHOTOGRAPHS. CHARLES NICHOLAS JOHNSTON, San Francisco, Berkeley, Palo Alto, and Oakland, Calif.
Filed March 13, 1946. Serial No. 498,145. PUBLISHED AUGUST 27, 1946. Class 38.

426,027. SELENIUM RECTIFIERS. RADIO RECEPTOR COMPANY, INC., New York, N. Y.
Filed March 14, 1946. Serial No. 498,254. PUBLISHED SEPTEMBER 3, 1946. Class 21.

426,028. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Filed March 15, 1946. Serial No. 498,302. PUBLISHED SEPTEMBER 10, 1946. Class 27.

426,029. RADIO ANTENNAS, CONSISTING OF A SECTIONAL MAST, A ROTARY BASE, TRANSFORMERS, AND TRANSMISSION CABLE. VERTROD CORPORATION, New York, N. Y.
Filed March 15, 1946. Serial No. 498,331. PUBLISHED SEPTEMBER 10, 1946. Class 21.

426,030. TRANSFORMERS, RADIO BROADCAST RECEIVERS AND PARTS THEREFOR, AND MARINE RADIO TELEPHONE TRANSMITTERS AND RECEIVERS AND PARTS THEREFOR. HUDSON AMERICAN CORPORATION, New York, N. Y.
Filed March 16, 1946. Serial No. 498,349. PUBLISHED SEPTEMBER 10, 1946. Class 21.

426,031. SECTION OF A REGULARLY ISSUED MAGAZINE. COWLES MAGAZINES, INC., Des Moines, Iowa.
Filed March 18, 1946. Serial No. 498,402. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,032. BRACELETS, BROOCHES, EARRINGS, LOCKETS, NECKLACES, ORNAMENTAL PINS AND ROSARIES MADE OF PRECIOUS OR SEMI-PRECIOUS METAL. ROBERT FLEISCHER COMPANY, New York, N. Y.
Filed March 18, 1946. Serial No. 498,411. PUBLISHED SEPTEMBER 17, 1946. Class 28.

426,033. ENAMEL SURFACE FELT BASE RUGS AND FLOOR COVERING. CONGOLEUM-NAIRN INC., Kearny, N. J.
Filed March 19, 1946. Serial No. 498,503. PUBLISHED SEPTEMBER 17, 1946. Class 20.

426,034. PERIODICAL PUBLICATIONS. THE DONALINE PUBLISHING COMPANY, INCORPORATED, Columbia, S. C.
Filed March 19, 1946. Serial No. 498,509. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,035. COSTUME JEWELRY. LOUIS G. MEYERS, doing business as Alpha-Craft Company, New York, N. Y.
Filed March 20, 1946. Serial No. 498,645. PUBLISHED SEPTEMBER 10, 1946. Class 28.

426,036. GREETING CARDS. WHITE & WYCKOFF MFG. CO., Holyoke, Mass.
Filed March 20, 1946. Serial No. 498,666. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,037. GREETING CARDS. WHITE & WYCKOFF MFG. CO., Holyoke, Mass.
Filed March 20, 1946. Serial No. 498,668. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,038. GREETING CARDS. WHITE & WYCKOFF MFG. CO., Holyoke, Mass.
Filed March 20, 1946. Serial No. 498,670. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,039. GREETING CARDS. WHITE & WYCKOFF MFG. CO., Holyoke, Mass.
Filed March 20, 1946. Serial No. 498,671. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,040. WEEKLY PERIODICAL. TIPS MAGAZINE, INC., New York, N. Y.
Filed March 21, 1946. Serial No. 498,737. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,041. COACH TRAILERS. CHARLES A. WITTE, Chicago, Ill.
Filed March 25, 1946. Serial No. 498,969. PUBLISHED SEPTEMBER 17, 1946. Class 19.

426,042. COACH TRAILERS. CHARLES A. WITTE, Chicago, Ill.
Filed March 25, 1946. Serial No. 498,970. PUBLISHED SEPTEMBER 17, 1946. Class 19.

426,043. MAGAZINE PUBLISHED PERIODICALLY. HAROLD J. DELANEY, Providence, R. I.
Filed March 28, 1946. Serial No. 499,123. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,044. PERIODICAL. ALEXANDRIA, BARCROFT & WASHINGTON TTANSIT COMPANY, doing business as A. B. & W. Transit Company, Alexandria, Va.
Filed March 29, 1946. Serial No. 499,187. PUBLISHED SEPTEMBER 17, 1946. Class 38.

426,045. GIRLS' AND WOMEN'S SUITS AND PLAYSUITS. KORET OF CALIFORNIA INC., San Francisco, Calif.
Filed April 16, 1946. Serial No. 500,311. PUBLISHED SEPTEMBER 3, 1946. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

426,046. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HERMAN A. CREWS, Winnetka, Ill. Filed Feb. 3, 1943. Serial No. 458,313.

SAFIRE

FOR BURNER CONTROL APPARATUS SOLD AS A UNIT, IN THE NATURE OF ELECTRIC APPARATUS FOR CONTROLLING THE COMBUSTION OF FUEL TO SUIT THE DEMAND THEREFOR AND FOR PREVENTING UNSAFE CONDITIONS, SUCH AS DELIVERY OF FLUID FUEL TO THE BURNER IN THE ABSENCE OF PROPER IGNITION CONDITIONS AND THE LIKE, AND ACCESSORIES, COMPRISING PANEL ASSEMBLAGES, AND LIGHT SENSITIVE DETECTOR HEADS.
Claims use since July 20, 1942.

426,047. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ATLAS POWDER COMPANY, W[illegible]gton, Del. Filed Aug. 29, 1944. Serial No. 47[illegible],088.

ROLL-PAK

FOR CONNECTING WIRE FOR USE WITH ELECTRIC BLASTING CAPS AND SQUIBS.
Claims use since Jan. 26, 1944.

426,048. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DRY-PACK CORPORATION, New York, N. Y. Filed Sept. 16, 1944. Serial No. 474,274.

DRY-PACK

FOR SOUP MIX CONTAINING DEHYDRATED VEGETABLES, EGG NOODLES, AND SEASONING.
Claims use since Sept. 16, 1942.

426,049. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GATES RUBBER COMPANY, Denver, Colo. Filed Jan. 22, 1945. Serial No. 478,866.

Gates

FOR GROOVED PULLEYS.
Claims use since Oct. 28, 1944.

426,050. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DOYLE MANUFACTURING CORPORATION, Syracuse, N. Y. Filed Feb. 27, 1945. Serial No. 480,279.

DOYLE

CYCLO-MOWER

FOR LAWN MOWERS.
Claims use since Feb. 2, 1945.

426,051. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE LEECE-NEVILLE COMPANY, Cleveland, Ohio. Filed Apr. 5, 1945. Serial No. 481,745.

ELECTRICAL EQUIPMENT THE LEECE-NEVILLE COMPANY CLEVELAND · OHIO · U.S.A.

FOR ELECTRICAL APPARATUS—NAMELY, CRANKING MOTORS; GENERATORS; VOLTAGE REGULATORS; ARMATURES; BRUSHES; COMMUTATORS; FIELD COILS; MOTOR AND GENERATOR HOUSINGS; RELAYS; CIRCUIT BREAKERS; SWITCHES; MAGNETIC SWITCHES; CUTOUT RELAYS; FLEXIBLE DRIVE COUPLINGS FOR GENERATORS; FIELD RINGS; AND BRUSH RIGGINGS.
Claims use since Mar. 20, 1945.

426,052. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CORRECTOSITE APPLIANCE COMPANY, Los Angeles, Calif. Filed May 18, 1945. Serial No. 483,514.

CORRECTOSITE

FOR EYE EXERCISING APPARATUS DESIGNED TO PRODUCE CONFIGURATIONS FOR VIEWING BY THE USER SO AS TO INDUCE MUSCULAR ACTIVITY TO CORRECT MYOPIA AND HYPEROPIA.
Claims use since Sept. 15, 1943.

426,053. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANSLEY RADIO CORPORATION, Long Island City, N. Y. Filed July 12, 1945. Serial No. 485,710.

ANSLEY

FOR RADIO RECEIVING SETS, ELECTRICALLY OPERATED PHONOGRAPHS, AND RADIO-PHONOGRAPH COMBINATIONS.
Claims use on radio receiving sets since Feb. 23, 1928; on electrically operated phonographs since Nov. 5, 1932; and on radio-phonograph combinations since Feb. 13, 1930.

426,054. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VERN L. SCHIELD, Waverly, Iowa. Filed July 19, 1945. Serial No. 486,007.

SCHIELD

BANTAM

FOR EARTH MOVING MACHINERY—NAMELY, POWER SHOVELS AND DITCHING MACHINES.
Claims use since June 9, 1945.

426,055. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PEERLESS TOOL & ENGINEERING CO., Chicago, Ill. Filed Aug. 4, 1945. Serial No. 486,721.

LAWRENZ

FOR LATHE ATTACHMENT FOR HOLDING CUTTING TOOLS AND DISENGAGING THE SAME FROM THE WORKPIECE AT PREDETERMINED TIME OR DISTANCE.
Claims use since July 21, 1945.

426,056. (CLASS 38. PRINTS AND PUBLICATIONS.) ATOMIC AGE PUBLISHING CO., Denver, Colo. Filed Aug. 27, 1945. Serial No. 487,590.

The ATOM

The drawing is lined for the color red.
FOR MAGAZINES DEVOTED TO SCIENTIFIC SUBJECTS.
Claims use since Aug. 7, 1945.

426,057. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CORY GLASS COFFEE BREWER CO., Chicago, Ill., assignor to Cory Corporation, a corporation of Delaware. Filed Aug. 27, 1945. Serial No. 487,596.

BREAKFAST-TRIO

FOR COMBINATION ELECTRICAL COFFEE MAKER, JUICER, AND TOASTER.
Claims use since Aug. 20, 1945.

426,058. (CLASS 2. RECEPTACLES.) WALTON PRODUCTS CO., Woodstock, Ill. Filed Sept. 24, 1945. Serial No. 488,941.

GripLoc

FOR TOOL BOXES.
Claims use since Apr. 1, 1938.

426,059. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CULLIGAN ZEOLITE COMPANY, Northbrook, Ill. Filed Oct. 1, 1945. Serial No. 489,208.

SOFT WATER THE CULLIGAN WAY

FOR PORTABLE AND STATIONARY APPARATUS AND MACHINES FOR PROCESSING AND DISPENSING SOFT WATER.
Claims use since Sept. 7, 1945.

426,060. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MAYNARD H. MOORE, JR. INC., Stoneham, Mass. Filed Oct. 2, 1945. Serial No. 489,277.

REVERSLACE

FOR PLASTIC COATED LACING MATERIAL INTENDED PARTICULARLY FOR BINDING THE EDGES OF LEATHER GOODS, MAKING BRAIDED PRODUCTS, AND THE LIKE.
Claims use since Sept. 20, 1933.

426,061. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) LILLIAN MEUNIER, Great Neck, N. Y. Filed Oct. 9, 1945. Serial No. Oct. 9, 1945. Serial No. 489,673.

SAF-T-WAY

FOR LID REMOVERS FOR PRESERVE JARS.
Claims use since Sept. 4, 1945.

426,062. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) COLONIAL MILLS, INC., New York, N. Y. Filed Oct. 16, 1945. Serial No. 490,007.

ROBBINS X FABRICS

FOR RAYON PIECE-GOODS.
Claims use since Oct. 2, 1945.

426,063. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) TABER, BUSHNELL & Co., Minneapolis, Minn., assignor to Taber, Bushnell & Company, Inc., Minneapolis, Minn., a corporation of Minnesota. Filed Oct. 25, 1945. Serial No. 490,512.

FLARE

FOR LIGHTERS OF THE PYROPHORIC TYPE.
Claims use since July 21, 1945.

426,064. (CLASS 38. PRINTS AND PUBLICATIONS.) GRANT HOSPITAL OF CHICAGO, Chicago, Ill. Filed Oct. 26, 1945. Serial No. 490,534.

THE *Pulse* OF GRANT HOSPITAL

FOR A MONTHLY PERIODICAL PUBLICATION DEDICATED TO THE INTERESTS AND ACTIVITIES OF GRANT HOSPITAL.
Claims use since Feb. 15, 1944.

426,065. (CLASS 2. RECEPTACLES.) PETER SCHLUMBOHM, New York, N. Y. Filed Oct. 31, 1945. Serial No. 490,857.

CINDERELLA

FOR GARBAGE PAILS AND PRESHAPED PAPER LINERS FOR GARBAGE PAILS.
Claims use since Sept. 10, 1945.

426,066. (CLASS 12. CONSTRUCTION MATERIALS.) HUCK-GERHARDT CO., INC., Philadelphia, Pa. Filed Nov. 20, 1945. Serial No. 491,917.

WEL-BILT

FOR HARDWOOD FLOORING, GLAZED AND SCREENED PORCH INCLOSURES, AND METAL WEATHER STRIPS, STORM SASH, FLY SCREENS, AND DOORS OF THE OVERHEAD TYPE.
Claims use since June 26, 1923.

426,067. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ART WIRE STAMPING CO., Newark, N. J. Filed Nov. 27, 1945. Serial No. 492,251.

Lockfast

FOR SNAPS, SNAP SWIVELS AND DOUBLE SNAP SWIVELS FOR USE WITH FISHING TACKLE.
Claims use since Jan. 1, 1936.

426,068. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ART WIRE STAMPING CO., Newark, N. J. Filed Nov. 27, 1945. Serial No. 492,252.

Interlock

FOR SWIVELS FOR USE WITH FISHING TACKLE.
Claims use since Jan. 1, 1936.

426,069. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AUTO COMPRESSOR COMPANY, Wilmington, Ohio. Filed Dec. 14, 1945. Serial No. 493,244.

Wilmington Compressor

FOR AIR COMPRESSOR UNITS ONLY, AND AIR COMPRESSOR ASSEMBLIES, CONSISTING OF AIR COMPRESSOR UNITS, MOTOR OR GAS ENGINE DRIVEN AND MOUNTED ON PRESSURE TANKS.
Claims use since 1933.

426,070. (CLASS 15. OILS AND GREASES.) AMERICAN GREASE STICK COMPANY, Muskegon Heights, Mich. Filed Jan. 5, 1946. Serial No. 494,298.

GREASTICK

FOR LUBRICATING GREASE.
Claims use since February 1940.

426,071. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SHEPARD ELEVATOR COMPANY, Cincinnati, Ohio. Filed Feb. 6, 1946. Serial No. 496,106.

SHEPARD

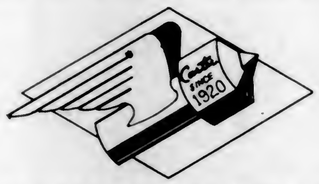
FOR ELECTRICAL PASSENGER ELEVATORS.
Claims use since 1921.

426,072. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JENSEN RADIO MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 11, 1946. Serial No. 496,385.

Jensen

FOR ELECTRICAL APPARATUS—NAMELY, LOUD SPEAKERS OF BOTH DIRECT RADIATOR AND HORN TYPES; LOUD SPEAKER SYSTEMS HAVING A PLURALITY OF LOUD SPEAKER UNITS WITH OR WITHOUT APPARATUS CONTAINING FREQUENCY DIVIDING NETWORKS; TRANSFORMERS; ELECTRONIC POWER SUPPLY UNITS; ELECTRIC VOLUME CONTROL APPARATUS; ACCESSORIES FOR LOUD SPEAKERS INCLUDING SUPPORTING AND TILTING MECHANISMS; AND PARTS FOR SUCH ELECTRICAL APPARATUS.
Claims use since 1928.

426,073. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DONALD WOOD CARTER, doing business as Carter Diamond Tool Company, Cleveland, Ohio. Filed Mar. 6, 1946. Serial No. 497,701.



FOR MACHINE TOOLS IN THE NATURE OF HOLDERS FOR COMMERCIAL DIAMONDS USED IN DRESSING GRINDING WHEELS.
Claims use since Sept. 24, 1945.

TRADE-MARK REGISTRATIONS RENEWED

29,199. **"ORANGE BLOSSOM" AND DRAWING.** FORMOSA TEA. Registered Nov. 24, 1896. WOLFE, MCMILLAN & Co., Philadelphia, Pa. Re-renewed Nov. 24, 1946, to Hershey Creamery Company, Harrisburg, Pa., a corporation of Delaware. Class 46.

54,470. **"TOWN TALK" ETC.** WHEAT-FLOUR. Registered June 26, 1906. LAWRENCEBURG ROLLER MILLS COMPANY, Lawrenceburg, Ind., and Boston, Mass. Renewed June 26, 1946, to Acme-Evans Company, Indianapolis, Ind., a corporation of Indiana. Class 46.

54,991. **REPRESENTATION OF AN ELDERLY WOMAN.** PREPARATIONS FOR THE CURE AND ALLEVIATION OF COUGHS, LUNG AND BRONCHIAL AFFECTIONS, AND CHILLS AND FEVER. Registered Aug. 7, 1906. THE E. E. SUTHERLAND MEDICINE CO., Paducah, Ky. Re-renewed Aug. 7, 1946, to Standard Laboratories, Inc., New York, N. Y., a corporation of Delaware. Class 6.

55,152. **PURITAN.** LEATHER AND CANVAS BOOTS AND SHOES. Registered Aug. 7, 1906. GEO. E. KEITH COMPANY, Brockton, Mass., a corporation of Massachusetts. Re-renewed Aug. 7, 1946. Class 39.

55,304. **J WHATMAN.** WRITING AND DRAWING PAPERS. Registered Aug. 14, 1906. RICHARD JAMES BALSTON. Re-renewed Aug. 14, 1946, to W. & R. Balston, Limited, Springfield Mills, Kent, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 37.

55,305. **"JW" IN A MONOGRAM.** WRITING AND DRAWING PAPERS. Registered Aug. 14, 1906. RICHARD JAMES BALSTON. Re-renewed Aug. 14, 1946, to W. & R. Balston, Limited, Springfield Mills, Kent, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 37.

55,811. **"THE OLD SETTLER" AND DRAWING.** CHEMICAL PREPARATION TO CLEAR RAIN-WATER. Registered Aug. 21, 1906. CRATES & BOWEN. Re-renewed Aug. 21, 1946, to The Old Settler Company, Findlay, Ohio, a corporation of Ohio. Class 6.

56,052. **REPRESENTATION OF A ST. ANDREW'S CROSS ON A SHIELD, ETC.** COTTON YARNS. Registered Aug. 21, 1906. SHAW, JARDINE & Co., LIMITED, Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Aug. 21, 1946. Class 43.

56,072. **REPRESENTATION OF A STAG'S HEAD, ETC.** COTTON YARNS. Registered Aug. 21, 1906. MCCONNEL & Co., LIMITED, Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Aug. 21, 1946. Class 43.

56,103. **RED WING.** PICKLED OR CORNED BEEF. Registered Aug. 21, 1906. SWIFT AND COMPANY. Re-renewed Aug. 21, 1946, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 46.

56,195. **TRADE.** PAPER BAGS. Registered Aug. 28, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Aug. 28, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

56,932. **MORSE.** DRILLS, REAMERS, TAPS, DIES, COUNTER-BORES, AND MILLING-CUTTERS. Registered Oct. 23, 1906. MORSE TWIST DRILL & MACHINE COMPANY, New Bedford, Mass., a corporation of Massachusetts. Re-renewed Oct. 23, 1946. Class 23.

56,963. **MONOTYPE.** TYPE CASTING AND COMPOSING MACHINES, INCLUDING KEY-BOARDS AND CASTING-MACHINES AND REPAIR PARTS AND SUPPLIES THEREFOR. Registered Oct. 30, 1906. LANSTON MONOTYPE MACHINE COMPANY, Philadelphia, Pa., a corporation of Virginia. Re-renewed Oct. 30, 1946. Class 23.

56,976. **"LA VENCEDORA" AND DRAWING.** LARD AND LARD COMPOUND. Registered Oct. 30, 1906. SWIFT AND COMPANY. Re-renewed Oct. 30, 1946, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 46.

56,977. **SWIFT'S WINCHESTER.** SMOKED OR CURED HAMS, BACON, AND SHOULDERS. Registered Oct. 30, 1906. SWIFT AND COMPANY. Re-renewed Oct. 30, 1946, to Swift & Company, Chicago, Ill., a corporation of Illinois. Class 46.

57,184. **BADGER.** PAPER BAGS. Registered Nov. 6, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Nov. 6, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

57,185. **BUCKSKIN.** PAPER BAGS. Registered Nov. 6, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Nov. 6, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

57,186. **EXCELSIOR.** PAPER BAGS. Registered Nov. 6, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Nov. 6, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

57,188. **COMMODORE.** PAPER BAGS. Registered Nov. 6, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Nov. 6, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

57,189. **FOX.** PAPER BAGS. Registered Nov. 6, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Nov. 6, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

57,191. **REX.** PAPER BAGS. Registered Nov. 6, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Nov. 6, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

57,192. **TIP-TOP.** PAPER BAGS. Registered Nov. 6, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Nov. 6, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

57,203. **SUPERIOR.** PAPER BAGS. Registered Nov. 6, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Nov. 6, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

57,535. **DIAMOND.** PLASTER OF PARIS. Registered Nov. 13, 1906. J. B. KING & Co., New York, N. Y. Re-renewed Nov. 13, 1946, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Class 12.

58,025. **FEDERAL.** WATCH-MOVEMENTS AND WATCHCASES. Registered Dec. 4, 1906. LOUIS MANHEIMER & BROS., Chicago, Ill. Re-renewed Dec. 4, 1946, to Louis Manheimer & Bros., Inc., New York, N. Y., a corporation of New York. Class 27.

58,090. **REPRESENTATION OF A VOLCANO.** FLOWERS OF SULPHUR. Registered Dec. 4, 1906. THE SAN FRANCISCO SULPHUR COMPANY. Re-renewed Dec. 4, 1946, to Stauffer Chemical Company, San Francisco, Calif., a corporation of California. Class 6.

58,105. **NEPLUSULTRA.** LAUNDRY STARCH. Registered Dec. 4, 1906. H. KOHNSTAMM & Co. Re-renewed Dec. 4, 1946, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York. Class 6.

58,148. **"POINT LOMA" ETC.** CANNED FRUITS AND CANNED VEGETABLES. Registered Dec. 4, 1906. KLAUBER WANGENHEIM Co., San Diego, Calif., a corporation of California. Re-renewed Dec. 4, 1946. Class 46.

58,326. **STRONGHOLD.** PAPER BAGS. Registered Dec. 11, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Dec. 11, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

58,327. **DEMAND.** PAPER BAGS. Registered Dec. 11, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Dec. 11, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

58,406. **CLIMAX.** LAUNDRY STARCH. Registered Dec. 11, 1906. H. KOHNSTAMM & CO. Re-renewed Dec. 11, 1946, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York. Class 6.

58,407. **HERCULES.** LAUNDRY STARCH. Registered Dec. 11, 1906. H. KOHNSTAMM & CO. Re-renewed Dec. 11, 1946, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York. Class 6.

58,436. **"BURNITOL" AND DESIGN.** SPUTUM-CUPS. Registered Dec. 18, 1906. THE ASEPTIC DRINKING CUP COMPANY, Cambridge, Mass. Re-renewed Dec. 18, 1946, to Burnitol Manufacturing Co., Boston, Mass., a corporation of Maine. Class 44.

58,578. **BORDEN'S.** BUTTER AND CHEESE. Registered Dec. 18, 1906. BORDEN'S CONDENSED MILK CO., Jersey City, N. J., and New York, N. Y. Re-renewed Dec. 18, 1946, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 46.

58,579. **"PEERLESS" AND DESIGN.** MILK, CONDENSED MILK, BUTTERMILK, EVAPORATED MILK, CREAM, EVAPORATED CREAM, BUTTER, AND CHEESE. Registered Dec. 18, 1906. BORDEN'S CONDENSED MILK COMPANY, Jersey City, N. J., and New York, N. Y. Re-renewed Dec. 18, 1946, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 46.

58,617. **LIZARD.** PAPER BAGS. Registered Dec. 18, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Dec. 18, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

58,618. **CROCODILE.** PAPER BAGS. Registered Dec. 18, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Dec. 18, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

58,667. **"ELEPHANT" AND DRAWING.** PAPER BAGS. Registered Dec. 18, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Dec. 18, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

58,669. **AUTOMATIC.** PAPER BAGS. Registered Dec. 18, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Dec. 18, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

58,770. **"COLLINS' VOLTAIC" ETC.** MEDICINAL PLASTER. Registered Dec. 25, 1906. POTTER DRUG & CHEMICAL CORPORATION, Portland, Maine, and Boston, Mass. Re-renewed Dec. 25, 1946, to Potter Drug & Chemical Corporation, Malden, Mass., a corporation of Maine. Class 6.

59,012. **HESSTOMACURA.** MEDICINE FOR STOMACH TROUBLES. Registered Dec. 25, 1906. ENRIQUE R. BALAGUER, Brooklyn, N. Y. Re-renewed Dec. 25, 1946. Class 6.

214,562. **RECEPTO-KAN.** GARBAGE AND WASTE CANS. Registered June 29, 1926. MASTER METAL PRODUCTS INC., Buffalo, N. Y., a corporation of New York. Renewed June 29, 1946. Class 2.

214,888. **"WESCO" ETC. AND DESIGN.** TIRE OR SKID CHAINS FOR AUTOMOTIVE VEHICLES. Registered July 6, 1926. WESTERN CHAIN COMPANY. Renewed July 6, 1946, to Central Safety Deposit Company, Chicago, Ill., a corporation of Illinois. Class 13.

214,895. **WESCO.** TIRE OR SKID CHAINS FOR AUTOMOTIVE VEHICLES. Registered July 6, 1926. WESTERN CHAIN COMPANY. Renewed July 6, 1946, to Central Safety Deposit Company, Chicago, Ill., a corporation of Illinois. Class 13.

215,343. **RECTRON.** VACUUM TUBES AND VALVES, VACUUM TUBE AND CRYSTAL DETECTORS, VACUUM-TUBE AMPLIFIERS, VACUUM-TUBE RECTIFYING APPARATUS, AND A, B, AND C BATTERY ELIMINATORS. Registered July 13, 1926. RADIO CORPORATION OF AMERICA, New York, N. Y., a corporation of Delaware. Renewed July 13, 1946. Class 21.

215,467. **DMELCOS.** VACCINE FOR THE TREATMENT OF CHANCRE. Registered July 20, 1926. LES ETABLISSEMENTS POULENC FRÈRES. Renewed July 20, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

215,469. **STOXAL.** LARVICIDE POWDER WITH A BASE OF TRIOXYMETHYLENE. Registered July 20, 1926. LES ETABLISSEMENTS POULENC FRÈRES. Renewed July 20, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

215,744. **"J. N.—STANDARD" ETC.** MEN'S SUITS, TROUSERS, COATS, AND VESTS. Registered July 27, 1926. J. N. ADAMS & CO., Buffalo, N. Y., a corporation of New York. Renewed July 27, 1946. Class 39.

215,891. **WESTERN'S DAMPROOFING.** ASPHALT PREPARATION FOR RENDERING WALLS AND OTHER SURFACES PROOF AGAINST THE PASSAGE OF MOISTURE THERETHROUGH. Registered Aug. 3, 1926. WESTERN WATERPROOFING COMPANY, INC., Boston, Mass., a corporation of New York. Renewed Aug. 3, 1946. Class 12.

215,967. **"BULL'S EYE" ETC.** HOT-WATER HEATERS AND HOT-WATER HEATING AND STORAGE SYSTEMS. Registered Aug. 3, 1926. THE DUNHAM COMPANY. Renewed Aug. 3, 1946, to the Dunham Company, Berea, Ohio, a corporation of Ohio. Class 34.

216,027. **STIBYAL.** TARTRATE OF ANTIMONY AND OF SODIUM. Registered Aug. 3, 1926. LES ETABLISSEMENTS POULENC FRÈRES. Renewed Aug. 3, 1946, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France. Class 6.

216,437. **"TP" AND DRAWING.** CERTAIN NAMED REFINED PETROLEUM PRODUCTS. Registered Aug. 10, 1926. TEXAS PACIFIC COAL AND OIL COMPANY, Fort Worth, Tex., a corporation of Texas. Renewed Aug. 10, 1946. Class 15.

216,472. **DELICIA.** PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. Registered Aug. 10, 1926. Parfumerie Roger et Gallet, Paris, France, a corporation of the French Republic. Renewed Aug. 10, 1946. Class 6.

217,052. **CHU-FRUS.** CANDY. Registered Aug. 24, 1926. ROWNTREE & COMPANY LIMITED, York, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed Aug. 24, 1946. Class 46.

217,060. **"LILIUM" AND DRAWING.** PURE WHEAT FLOUR FOR MAKING HOSTS FOR SACRAMENTAL PURPOSES. Registered Aug. 24, 1926. SOCIETY OF THE DEVINE WORD, Techny, Ill., a corporation of Illinois. Renewed Aug. 24, 1946. Class 46.

217,279. **REPRESENTATION OF A GREYHOUND ETC.** ARTISTS' COLORS. Registered Aug. 31, 1926. REEVES & SONS LIMITED, Dalston, London, England, a corporation of Great Britain. Renewed Aug. 31, 1946. Class 16.

217,290. **GREYHOUND.** MEDIUMS, SIZE, AND VARNISH FOR ARTISTS' USE. Registered Aug. 31, 1926. REEVES & SONS LIMITED, Dalston, London, England, a corporation of Great Britain. Renewed Aug. 31, 1946. Class 16.

217,532. **CHICTITE.** WIRE FENCING. Registered Aug. 31, 1926. PITTSBURGH STEEL COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Aug. 31, 1946. Class 13.

217,977. **ICE-BERG. PREPARATION IN POWDER FORM FOR USE IN MAKING FROZEN DESSERTS.** Registered Sept. 14, 1926. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 14, 1946. Class 46.

218,057. **"WORSTED-TEX" AND DRAWING.** MEN'S AND CHILDREN'S SUITS CONSISTING OF COATS, VESTS, AND TROUSERS. Registered Sept. 21, 1926. COHEN, GOLDMAN & CO. INC., New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 39.

218,300. **"BYER" AND DESIGN.** CERTAIN NAMED COOLING AND CONDENSING APPARATUS. Registered Sept. 21, 1926. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y., a corporation of New Jersey. Renewed Sept. 21, 1946. Class 23.

218,549. **CA-VEL.** PILE FABRICS IN PIECE GOODS AND CUT LENGTHS. Registered Sept. 28, 1926. COLLINS & AIKMAN COMPANY. Renewed Sept. 28, 1946, to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware. Class 42.

218,550. **CAVEL.** PILE FABRICS IN PIECE GOODS AND CUT LENGTHS. Registered Sept. 28, 1926. COLLINS & AIKMAN COMPANY. Renewed Sept. 28, 1946, to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware. Class 42.

218,560. **SEALECT.** BEAD-STRINGING THREAD. Registered Sept. 28, 1926. JACK J. FELSENFELD, New York, N. Y. Renewed Sept. 28, 1946. Class 28.

218,561. **FIFTH AVENUE.** CANNED VEGETABLES, SUCH AS PEAS, CORN, TOMATOES, ETC., CANNED OYSTERS AND EGGS SOLD IN BOXES. Registered Sept. 28, 1926. DONAHOE'S INCORPORATED, Pittsburgh, Pa., a corporation of Delaware. Renewed Sept. 28, 1946. Class 46.

218,662. **"WIFCO" ETC.** MORTAR. Registered Sept. 28, 1926. THE WELLSTON IRON FURNACE COMPANY, Jackson, Ohio. Renewed Sept. 28, 1946, to Superior Cement Corporation, Portsmouth, Ohio, a corporation of Ohio. Class 12.

218,847. **"GOLD BAND" AND DESIGN.** WIRE NAILS AND CEMENT-COATED NAILS. Registered Oct. 5, 1926. PITTSBURGH STEEL COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 5, 1946. Class 13.

219,223. **LIFETIME.** LEATHER BAGS, SUITCASES, VALISES, GRIPS, HANDBAGS, GLADSTONE BAGS. Registered Oct. 12, 1926. FULTON LEATHER GOODS, INC., New York, N. Y., a corporation of New York. Renewed Oct. 12, 1946. Class 3.

220,193. **"TNT" AND DRAWING.** WHEAT FLOUR. Registered Nov. 2, 1926. THE BURRUS MILL AND ELEVATOR CO., Fort Worth, Tex. Renewed Nov. 2, 1946, to Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware. Class 46.

220,205. **MULTISCREEN.** FEED-WATER-PURIFYING APPARATUS—NAMELY, STRAINERS AND GREASE AND OIL EXTRACTORS. Registered Nov. 2, 1926. THE GRISCOM-RUSSELL COMPANY, New York, N. Y., a corporation of Delaware. Renewed Nov. 2, 1946. Class 13.

220,297. **MOTHER HUBBARD'S.** CUPBOARD PAPER AND PAPER FOR LINING SHELVES, DRAWERS, AND SIMILAR HOUSEHOLD PURPOSES. Registered Nov. 9, 1926. PAPER SPECIALTY COMPANY, Wausau, Wis., a corporation of Wisconsin. Renewed Nov. 9, 1946. Class 37.

220,298. **REPRESENTATION OF "MOTHER HUBBARD".** CUPBOARD PAPER AND PAPER FOR LINING SHELVES, DRAWERS AND SIMILAR HOUSEHOLD PURPOSES. Registered Nov. 9, 1926. PAPER SPECIALTY COMPANY, Wausau, Wis., a corporation of Wisconsin. Renewed Nov. 9, 1946. Class 37.

220,305. **GLORIA. ORNAMENTAL TABLE AND FLOOR ELECTRICAL LAMPS.** Registered Nov. 9, 1926. HOLOPHANE GLASS COMPANY, INC. Renewed Nov. 9, 1946, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware. Class 21.

220,331. **HELLER'S VAN-BOUQUET.** FLAVORING COMPOUND. Registered Nov. 9, 1926. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 9, 1946. Class 46.

220,362. **"JUMBO" AND DRAWING.** AGRICULTURAL GYPSUM, LAND PLASTER. Registered Nov. 9, 1926. UNITED STATES GYPSUM COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Nov. 9, 1946. Class 10.

220,483. **"FARNAM 'CHESHIRE' LIME CO." ETC. LIME.** Registered Nov. 9, 1926. FARNAM CHESHIRE LIME COMPANY, Cheshire, Mass. Renewed Nov. 9, 1946, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Class 12.

220,680. **"BIGUY" AND DESIGN.** OVERALLS, JACKETS, PLAY SUITS, PANTS, WORK SHIRTS, AND DRESS SHIRTS. Registered Nov. 16, 1926. BLUE JAY MFG. CO., Huntington, W. Va., a corporation of West Virginia. Renewed Nov. 16, 1946. Class 39.

220,681. **"EXPERT" AND DESIGN.** OVERALLS, JACKETS, PLAY SUITS, PANTS, WORK SHIRTS, AND DRESS SHIRTS. Registered Nov. 16, 1926. BLUE JAY MFG. CO., Huntington, W. Va., a corporation of West Virginia. Renewed Nov. 16, 1946. Class 39.

220,703. **LINOIL.** CORE OILS AND OILS FOR OTHER FOUNDRY PURPOSES PREPARED FROM LINSEED OIL, SOYA BEAN OILS, AND OTHER VEGETABLE OILS, ALL OF AN ADHESIVE NATURE. Registered Nov. 16, 1926. THE WERNER G. SMITH COMPANY, Cleveland, Ohio. Renewed Nov. 16, 1946, to Archer-Daniels-Midland Company, Minneapolis, Minn., a corporation of Delaware. Class 5.

221,238. **RESISTOL.** WHITE ENAMEL. Registered Nov. 23, 1926. THE OHIO VARNISH COMPANY, Cleveland, Ohio. Renewed Nov. 23, 1946, to Minnesota Linseed Oil Paint Company, Minneapolis, Minn., a corporation of Minnesota. Class 16.

221,255. **ROB ROY.** KNIT WOOL-LINED DRIVING GLOVES. Registered Nov. 23, 1926. O. C. HANSEN MANUFACTURING CO. Renewed Nov. 23, 1946, to Hansen Glove Corporation, Milwaukee, Wis., a corporation of Wisconsin. Class 39.

221,319. **SUPER-TITE.** ASPHALT ROOFING SHINGLES. Registered Nov. 30, 1926. MCHENRY-MILLHOUSE MFG. CO., South Bend, Ind. Renewed Nov. 30, 1946, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Class 12.

221,517. **"ROVER BOYS' CLOTHES" AND DESIGN.** BOYS' SUITS, BOYS' TOPCOATS, AND BOYS' OVERCOATS. Registered Dec. 7, 1926. BOND JUNIOR CLOTHES, INC. Renewed Dec. 7, 1946, to Bond Stores, Incorporated, New York, N. Y., a corporation of Maryland. Class 39.

221,671. **"LAKESHIRE CHEESE" ETC.** CHEESE. Registered Dec. 7, 1926. LAKESHIRE CHEESE COMPANY, Plymouth, Wis. Renewed Dec. 7, 1946, to The Borden Company, New York, N. Y., a corporation of New Jersey. Class 46.

221,734. **DELO-WOOL.** BRAIDED WOOL RUGS. Registered Dec. 7, 1926. DELTOX RUG COMPANY, Oshkosh, Wis., a corporation of Wisconsin. Renewed Dec. 7, 1946. Class 42.

221,763. **MANIKEW.** MANICURING INSTRUMENTS. Registered Dec. 7, 1926. HENRY L. HUGHES CO. INC. Renewed Dec. 7, 1946, to Hughes Brushes, Inc., New York, N. Y., a corporation of New York. Class 44.

222,004. **WORTHMORE BRAND.** CANNED MOCK TURTLE SOUP. Registered Dec. 21, 1926. PHIL. J. HOCK, doing business as Phil. J. Hock & Co., Cincinnati, Ohio. Renewed Dec. 21, 1946. Class 46.

222,032. **"FIN-DUDDY" AND DESIGN.** MEN'S SPORT SUITS INCLUDING PANTS, COATS, AND VESTS. Registered Dec. 21, 1926. FINCHLEY, INC., New York, N. Y., a corporation of New York. Renewed Dec. 21, 1946. Class 39.

222,079. **REPRESENTATION OF PARALLEL BLUE STRIPES.** CEMENT AND CALCINED GYPSUM. Registered Dec. 21, 1926. PACIFIC PORTLAND CEMENT COMPANY, CONSOLIDATED. Renewed Dec. 21, 1946, to Pacific Portland Cement Company, San Francisco, Calif., a corporation of California. Class 12.

222,121. **TEMPS NOUVEAUX.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, POWDER COMPACT, ROUGE COMPACT, LIP STICKS, DUSTING POWDER, LOTION FOR THE SKIN AND HAIR, SACHET, COLD CREAM, VEGETAL. Registered Dec. 21, 1926. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed Dec. 21, 1946. Class 6.

222,134. **"NUKEM" AND DESIGN.** WINDOW CLEANER. Registered Dec. 21, 1926. NUKEM PRODUCTS CORPORATION, Buffalo, N. Y., a corporation of New York. Renewed Dec. 21, 1946. Class 4.

222,150. **HY-DYVE.** SWIMMING SUITS. Registered Dec. 21, 1926. ASSOCIATED MERCHANDISING CORPORATION. Renewed Dec. 21, 1946, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York. Class 39.

REISSUES

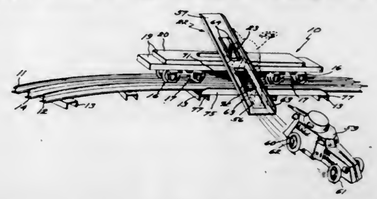
DECEMBER 10, 1946

22,816
GYPSUM COMPOSITION
Thomas P. Camp, Arlington Heights, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Original No. 2,207,339, dated July 9, 1940, Serial No. 86,346, June 20, 1936. Application for reissue October 25, 1943, Serial No. 507,593
6 Claims. (Cl. 154—86)

1. In the manufacture of gypsum-core wallboard, the improvement which comprises mixing with a calcined gypsum slurry a foam containing a solution of a water-soluble starch characterized and identifiable by giving a paste viscosity reading of 30 to 150 seconds at 95° C. on a Dudley viscosimeter pipette when dispersed in water in the proportion of 30 grams of starch to 200 grams of water.

22,817
TURN-TILT UNLOADING TOY RAILWAY CAR
Richard G. Smith, Amsterdam, N. Y.
Original No. 2,373,148, dated April 10, 1945, Serial No. 337,625, May 28, 1940. Application for reissue August 14, 1946, Serial No. 690,400
29 Claims. (Cl. 104—150)

1. A toy railway car for transporting along a toy track a toy load vehicle having wheels and a wheel axle and for discharging said vehicle at the side of the track, including the combination of, a car chassis a fulcrum bracket swiveled on said chassis for turning relatively thereto about a vertical axis, and an elongated table carried by said chassis adapted to support said toy wheeled vehicle with its wheel axle extending crosswise of the car, said platform being pivotally connected to said fulcrum bracket for tilting about a horizontal axis relative to both said bracket and said chassis thereby to cause said vehicle to roll off from said car at the side of the track, and said fulcrum bracket being constructed and arranged releasably to engage and hold said wheel axle of the toy vehicle in a manner to prevent the latter from rolling along said table on its own wheels except when said table is in tilted position relative to said bracket and chassis.



PLANT PATENTS

GRANTED DECEMBER 10, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

716
ROSE PLANT
Walter E. Lammerts, La Canada, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application January 17, 1946, Serial No. 641,666
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its habit and vigor of growth; glossy foliage resistant to mildew; the red color of the new growth foliage; the heavier and large size of both new and mature foliage as compared with that of either parent; freedom of bloom; shape and form of bud; and the fragrance and unusual coloring of the flowers, substantially as shown and described.

717
ROSE PLANT
Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application January 17, 1946, Serial No. 641,682
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by its habit of growth and branching, its vigor, the size, shape, texture, and appearance of the leaves, the shape of the open flower and reflex habit and form of development of the petals thereof, and the red color of said flowers, particularly the near-absence therefrom of discernible blue pigment, substantially as shown and described.

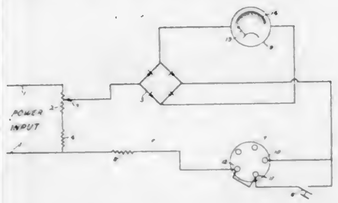
718
CHRYSANTHEMUM PLANT
Alexander Cumming, Bristol, Conn., assignor to Bristol Nurseries, Inc., Bristol, Conn., a corporation of Connecticut
Application January 2, 1946, Serial No. 638,649
1 Claim. (Cl. 47—60)

The new and distinct variety of chrysanthemum plant substantially as shown and described, characterized particularly by its robust and rugged growth; its extremely free-branching and free-flowering habits; its long flowering season; its resistance to frost and cold which enables the flowers to remain effective for an unusually long period; and the approximately true scarlet color of its medium-sized flowers.

PATENTS

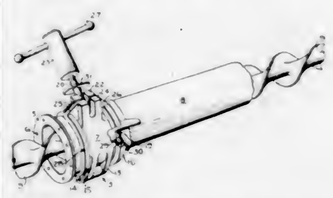
GRANTED DECEMBER 10, 1946

2,412,192
METHOD FOR TESTING THE SEALS OF CRYSTAL HOLDERS
William B. R. Agnew, Dayton, Ohio
Application August 11, 1944, Serial No. 549,084
2 Claims. (Cl. 73—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



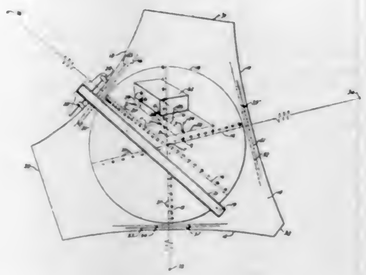
1. A method for testing the seal of a crystal holder, comprising the steps of providing a cardboard blank having dimensions substantially duplicating those of the crystal and infused with a solution of substantially one volume of lithium chloride in six volumes of water, drying the blank, mounting the blank under spring pressure between flat faced electrodes within the crystal holder contacting the blank substantially uniformly throughout the opposite faces thereof, dehydrating the holder, determining the electrical resistance of the encased dehydrated blank, sealing the holder and ageing the crystal holder in a surrounding atmosphere containing water vapor, and again determining the electrical resistance of the blank as an index of leakage of the holder.

2,412,193
FUEL FEEDING APPARATUS
Arthur O. Anderson, Davenport, Iowa
Application August 23, 1945, Serial No. 612,289
7 Claims. (Cl. 198—213)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



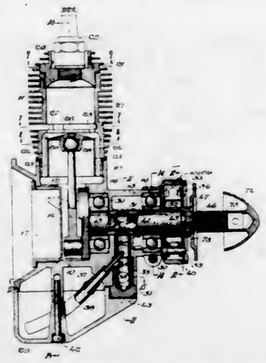
1. In a stoker for feeding solid fuel from a fuel source to a furnace, a fuel inlet tube, means for connecting one end of said fuel inlet tube to said fuel source, an annular rib on the other end of said fuel inlet tube, a fuel conveyor tube, one end of which is adapted to be connected to a furnace, an annular rib on the other end of said conveyor tube, said ribbed ends of said inlet and conveyor tubes being coaxially spaced apart, fuel-feeding mechanism housed by said tubes but exposed at the spaced apart ribbed ends of said tubes, an interiorly tapered fuel chamber interposed between the ribbed ends of said tubes and having first and second separable sections, said fuel chamber being adapted to house that portion of said fuel-feeding mechanism between the ribbed ends of said tubes and to compress fuel between the walls of said chamber and said fuel-feeding mechanism substantially entirely within said chamber, means for hingedly connecting said sections whereby they may be opened and closed through 360° about the aforesaid portion of said fuel-feeding mechanism, keeper means on each of said sections, releasable latch means cooperable with said keeper means for releasably locking said sections in closed position, a pair of complementary collar elements at each end of said fuel chamber sections, means forming a groove on the interior of each of said collar elements, each pair of said collar elements being adapted respectively to encircle the ribbed ends of said tubes with said grooves embracing said ribs for substantially preventing axial displacement of said fuel chamber sections relative to said tubes, and means for confining said fuel chamber against rotation relative to said tubes.

2,412,194
PERSPECTIVE DRAWING DEVICE
George D. Andersen, Los Angeles, Chester L. Spencer, Santa Monica, and James L. Hansen, Los Angeles, Calif.; said Spencer and said Hansen assignors to said Andersen
Application September 22, 1943, Serial No. 503,582
8 Claims. (Cl. 33—77)



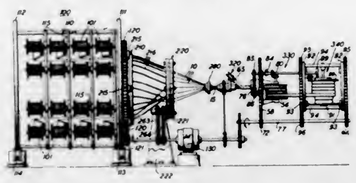
7. In a perspective drawing device, a board having on a side thereof a depth line, a width line and a height line, all said lines intersecting at a common point substantially central of the board, said board having faces intersecting the plane of a side of the board and said faces being arcs of different radii having a fixed relationship with one another, each said line being a radial line passing through the central portion of each of said arcs, and correlated measurement indicia along each of said lines at progressively greater intervals, the shorter intervals of space between said indicia being adjacent said arcs.

2,412,195
INTERNAL-COMBUSTION ENGINE
Thomas R. Arden, Danbury, Conn., assignor to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York
Application December 10, 1943, Serial No. 513,752
4 Claims. (Cl. 123—73)



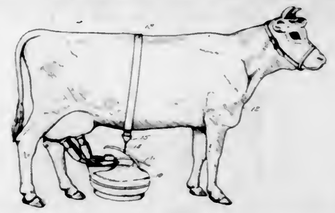
3. An internal combustion engine including a crank case, a fuel tank mounted on said crank case, means for the supply of fuel from said tank to said crank case, and a valve for controlling the supply of combustion supporting air to the fuel during its flow to said crank case, said fuel tank having a portion cooperating with said valve to retain the same in assembly with the engine.

2,412,196
METHOD OF AND APPARATUS FOR PRODUCING STRANDED CABLES
Robert P. Ashbaugh and Arthur G. Hall, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1942, Serial No. 463,188
22 Claims. (Cl. 57—59)



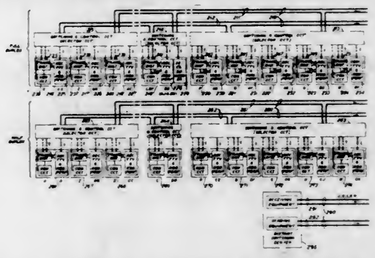
9. A cable stranding machine comprising a strand supply including a plurality of individual strand spools, cable compacting means for gathering all the strands from said supply into a cable of substantially circular cross-section, power driven means for pulling all the strands at a uniform average speed lengthwise through said machine, a plurality of strand distributing plates arranged in succession between said strand supply and said compacting means, each of said plates having strand guiding means for each strand, and driving means for moving all the strands in all said guiding means in each of said plates transversely of the strands at uniform speed, in a predetermined order and along fixed paths common to all the strands in the cable and different in the different plates for gradual distribution of all the strands from said strand supply into a desired layer distribution having a plurality of concentric layers, said layer distribution of all the strands being continuously fixed in said compacting means for inclusion in the cable.

2,412,197
MILKER SUPPORT
Henry B. Babson, Chicago, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application July 8, 1943, Serial No. 493,854
5 Claims. (Cl. 31—58)



1. Supporting apparatus for a suspended milker, including: flexible means adapted to extend down the sides of the cow; relatively rigid means adapted to extend beneath the belly of the cow and carry the milker; and a release member comprising a spring rod formed into a triangle with one side thereof permanently connected to one of the means in such manner as to permit movement only about the axis of said one side, and with the ends of the rod adjacent each other at the apex opposite said side, the other means being provided with a loop with an opening in one portion thereof, the loop and triangle being adapted to be interlinked, the strength of the spring rod being such as to maintain the connection under the normal milking strains but release such connection when the strain thereon exceeds a predetermined force, the opening in the loop enabling the connection to be remade with only a small but appreciable fraction of the force necessary to effect release.

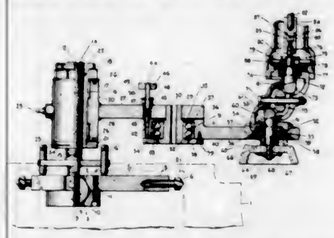
2,412,198
TELEGRAPH SWITCHING SYSTEM
Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 24, 1943, Serial No. 503,599
18 Claims. (Cl. 178—3)



1. In a telegraph system, a plurality of tape controlled transmitters for transmitting over a common channel of transmission, a control circuit for testing said transmitters one at a time in sequence for the presence of stored message material available for transmission, apparatus for causing said control circuit to skip and thereby omit testing of any one or more of said transmit-

ters, and apparatus for automatically changing said control circuit to change the transmitter or transmitters skipped during successive sequences of testing said transmitters.

2,412,199
SURFACE GRINDING MACHINE
Joel S. Blood, San Carlos, Calif.
Application November 2, 1945, Serial No. 626,418
5 Claims. (Cl. 51—241)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A grinder comprising a mounting means engageable in openings in members to be ground, a pivot post swivelly supported by the mounting means, a radial arm member rotatably mounted on the pivot post, means for adjusting the plane of rotation of the arm member in relation to the mounting means, a grinding wheel rotatably supported by the extended end portion of the arm member, means for varying the distance from the grinding wheel to the pivot post and a driving means supported by the arm member in communication with the grinding wheel.

2,412,200
HECTOGRAPH MASS
Robert D. Blum, Jr., Nashville, Tenn.
No Drawing. Application September 12, 1941, Serial No. 410,653
19 Claims. (Cl. 117—35.6)

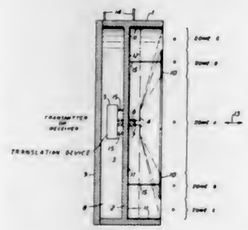
1. A duplicating pad for hectograph work comprising the following: polyvinyl alcohol approximately 15 parts by weight, glycerol approximately 50.7 parts by weight, antimony trifluoride approximately 0.2 to 2.0 parts by weight, titanium dioxide pigment approximately 4 parts by weight, ethylene glycol approximately 13 parts by weight, calcium chloride approximately 4 parts by weight.

2,412,201
METHOD OF MAKING ELECTROLYTIC DEVICES
Joseph B. Brennan, Euclid, Ohio
Original application August 9, 1937, Serial No. 158,105. Divided and this application October 1, 1941, Serial No. 413,146
3 Claims. (Cl. 175—315)



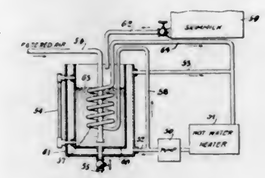
1. A method of making flexible sheet electrodes for electrolytic condensers which comprises spraying an open mesh cloth base with finely divided particles of molten film forming metal and carrying out the spraying operation in such manner as to produce a conductive layer of cohering metal particles adhering to said base, the layer being of such thinness and the electrode being sufficiently open mesh and porous to permit light to pass through the electrode layer at a multiplicity of distributed points throughout its area.

2,412,202
DIRECTIVE RADIO SYSTEM
Edmond Bruce, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 28, 1941, Serial No. 400,319
5 Claims. (Cl. 250—11)



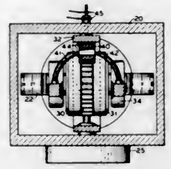
1. A titanium dioxide radio zone plate for passing a wave of a given wave-length, said plate having a thickness of approximately .11 of said wave-length as measured in air and a dielectric constant of approximately 20, whereby the waves passing through said plate are retarded slightly more than 180 degrees and reflection losses are prevented.

2,412,203
PRESERVATION OF MILK PRODUCTS
Charles Brunkhurst, Middletown, N. Y.
Application April 27, 1943, Serial No. 484,716
4 Claims. (Cl. 99—192)



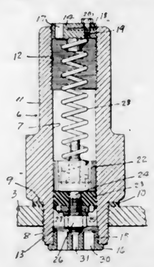
1. The method of making a frozen whole milk product from which a reconstituted whole milk may be made by adding water, said method comprising separating fresh whole milk into cream and skim milk, subjecting the cream to a sufficiently high temperature to pasteurize it without removing volatile matter, subjecting the skim milk to pasteurizing temperature to reduce the water content in a concentration ratio by volume of between 2½ to 1 and 4 to 1, homogenizing the hot concentrated milk and cream together to break up the solids, reducing the temperature of the homogenized mixture to normal room on tap water temperature and subjecting the mixture without substantial delay to a sufficiently low temperature to quickly bring the mixture to a temperature of between zero and −40° F. to form the frozen whole milk product.

2,412,204
TORQUE EXERTING MEANS
Leslie F. Carter, Leonia, N. J., and Francis West, Jr., Roslyn, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 10, 1942, Serial No. 438,394
1 Claim. (Cl. 74—5)



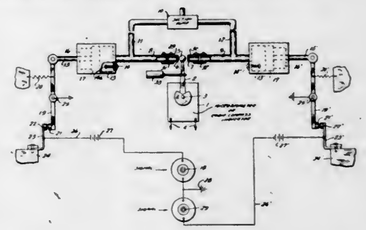
A torque-exerting electromagnetic couple for directional gyroscopes having a vertical ring and a gyro rotor bearing frame pivoted therein about an axis, comprising a solenoid fixed to the ring and displaced relatively to said axis, two bar magnets arranged in polar opposition with the outer end of each of the same fixed to the frame on opposite sides of said axis, said magnets being curved about said axis so that their inner ends lie adjacent the open ends of said solenoid, a circuit in which said solenoid is included, and means outside of said gyroscope for controlling said circuit to reverse the polarity of said solenoid.

2,412,205
PONTOON METERING VALVE AND COMBINATION
John A. Cook, San Francisco, Calif.
Application May 12, 1945, Serial No. 593,416
8 Claims. (Cl. 114—54)



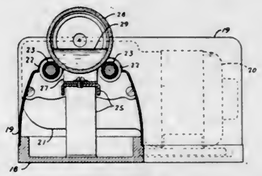
1. In combination with a flexible salvage pontoon, a metering valve carried by said pontoon comprising a tubular casing having a through bore extending longitudinally thereof communicating at one end with the interior of said pontoon and at its opposite end with the exterior, a discharge port in a side of said casing outside said pontoon communicating with said bore at a point intermediate the ends of the latter, a piston reciprocable in said bore presenting equal area axially facing end surfaces to the pressure influence of fluid in opposite ends of said bore, a spring in said casing reacting against the end of said piston adjacent the end of the bore communicating with the exterior of said pontoon for yieldably holding said piston in a position closing said port at said point and yieldably resisting movement of said piston against outward movement in said casing relative to the interior of said pontoon, said piston being movable under gas pressure in said pontoon to a position uncovering said port, and means for regulating the tension of said spring against said piston.

2,412,206
SENSITIVE SWITCH CONTROL APPARATUS
Carl J. Crane, Sacramento, Calif.
Application November 28, 1944, Serial No. 565,557
5 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an indicating device of the class described, a supersensitive value indicator having pointer closure means movable in opposite directions, a suction conduit having vent openings at opposite sides of the pointer closure means, means for creating a suction pressure in said conduit to be selectively closed by said pointer closure means upon movement thereof toward said vent openings from a predetermined reference position between said vent openings to cause said pointer to be held by said suction pressure, closing said vent openings, suction operated secondary indicating means disposed in communication with said suction conduit, operable by a predetermined degree of increased suction pressure in said conduit when said venting means is closed by said pointer closure means, and means operable by said secondary indicating means incident to movement thereof by said increased suction to relieve the suction therein, to free the pointer closure means from said suction pressure operable thereon when the same is disposed to close the said vent means and to simultaneously render said secondary suction operated indicating means non-operative.

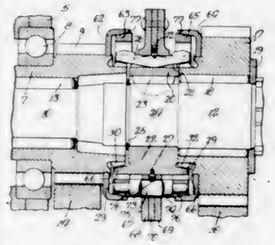
2,412,207
PRODUCTION OF ARTIFICIAL TOOTH STRUCTURES
Joseph Glen Day, Toledo, Ohio, assignor, by mesne assignments, to Dental Research Corporation, Chicago, Ill., a corporation of Illinois
Application February 9, 1944, Serial No. 521,707
1 Claim. (Cl. 259—57)



In apparatus for charging a mold cavity with a fluid mix of liquid and ground porcelain-like material, in combination, a pair of substantially parallel transversely spaced and generally horizontal rollers, a driving motor mounted in position adjacent one end of said pair of rollers and having driving connection with at least one of said rollers for rotating same, a plurality of containers adapted to be supported in coaxial and

endwise spaced relation on said rollers and to be rotated about a generally horizontal axis by contact with said rollers, each of said containers being adapted to contain a fluid mix of liquid and ground porcelain-like material and to set up and maintain the particles of porcelain-like material in a substantially complete and uniform state of suspension in the liquid throughout the bodies of the fluid mixes by agitating and freely intermingling and moving the ingredients about a generally horizontal axis by the rotation of said containers, pouring spouts on said containers for pouring the fluid mixes from said containers and into the mold cavities while the porcelain-like particles are in a substantially complete state of suspension in the liquid contents of the fluid mixes, a bracket supported in position extending longitudinally beneath the space between said rollers, and spacers adjustably mounted on said bracket and extending for cooperation with the ends of said containers to assure proper relative positioning of the containers.

2,412,208
TRANSMISSION
Donald S. Dence, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application September 11, 1944, Serial No. 553,641
14 Claims. (Cl. 192—53)



1. In combination, in a transmission having a shaft, axially spaced gears rotatable on said shaft, clutch means between said gears including a body member fixed on said shaft and carrying radially movable rockers fulcrumed intermediate their ends on said body member, clutch means on the adjacent portions of said gears for receiving the opposite ends of said rockers in clutching engagement, an axially shiftable collar on said member movable selectively toward opposite ends of said rockers to effect clutching engagement of the ends of the rockers toward which the collar is moved with the clutch means of the gear adjacent thereto, synchronizing cone surfaces on said gears, and friction means carried by said collar and initially shiftable therewith for selectively engaging the synchronizing surface of one of said gears prior to clutching engagement of the ends of said rockers with said gear.

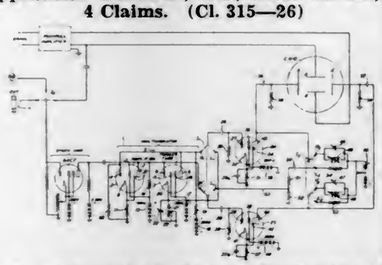
2,412,209
PREPARATION OF ALIPHATIC AMINES
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 22, 1943, Serial No. 484,078
4 Claims. (Cl. 260—584)

1. A process for preparing an aliphatic hydroxyamine comprising condensing ammonia with a dihydric alcohol of the following formula:

$$HO—CH_2—CH_2—O—CH_2—CH_2—O—CH_2—CH_2—OH$$

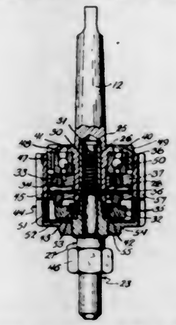
at a temperature of from about 200° to about 250° C., in the presence of a hydrogenation catalyst.

2,412,210
CATHODE-RAY SWEEP CIRCUIT
James O. Edson, Great Kills, N. Y., William A. Edson, Chicago, Ill., and John B. Maggio, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 21, 1942, Serial No. 435,688
4 Claims. (Cl. 315—26)



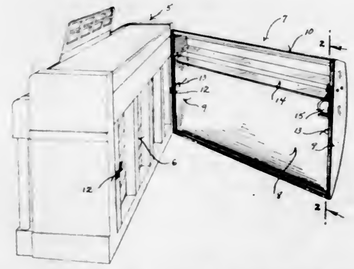
1. In a circuit including a cathode ray oscilloscope provided at least with a pair of sweep plates, means for generating balanced saw-tooth voltages on said sweep plates including a multivibrator comprising a first and a second vacuum tube, said first and second tubes having each at least an anode, a control grid and a cathode in circuit with which is a cathode resistor, a pair of amplifying vacuum tubes having each at least an anode, a control grid and a cathode, switching means coupling in a first switch position the control grids of said amplifying tubes in push-pull relationship individually to the anodes of said first and second tubes and coupling in a second switch position said amplifying tubes in phase inversion relationship, the control grid of one of said amplifying tubes being connected in parallel with the cathode resistor of said second tube.

2,412,211
DRILLER
William H. Eichelman, Berwyn, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application April 29, 1944, Serial No. 533,332
9 Claims. (Cl. 74—22)



1. In a device of the class described, having a plurality of relatively rotating members reciprocating at a rapid rate during operation, a housing enclosing the members, a part of the housing being supported upon a stationary one of the members, and another part of the housing being mounted for rotation upon a rotating one of the members, said parts overlapping each other throughout a portion of their structure and the rotating part of the housing being exteriorly exposed to air flow from all directions for agitating the air around the stationary part of the housing and means for sealing the stationary part with respect to the rotating member to prevent escape of lubricant from the housing during operation.

2,412,212
VIBRATO PRODUCING MEANS FOR MUSICAL INSTRUMENTS
Erving F. Gerlat, Racine, Wis.
Application September 22, 1944, Serial No. 555,221
1 Claim. (Cl. 84—189)



An attachment for upright pianos to improve the appearance of the back thereof and to impart a vibrato tone to pianos equipped with the attachment, comprising: a shallow box-like housing opening at its front and having a height and width substantially corresponding to the height and width of the piano for which the attachment is intended; means for attaching the housing to the back of the piano with no portion of the attachment projecting over or to the sides of the piano so that the back wall structure of the piano closes the open front of the attachment by contact with the side and top and bottom edges of the housing walls at said open front thereof, whereby the attachment covers and conceals the back of the piano and cooperates therewith to define a substantially upright tonal passage, said housing having an upper transversely extending wall portion thereof provided with a tonal opening acting as an outlet for said tonal passage; a rotatable valve extending transversely across said tonal passage beneath the tonal opening to intermittently block sound waves moving upwardly along the back wall of the housing towards said tonal opening; and means inside the box-like housing for rotating the valve.

2,412,213
METHOD OF PRODUCING STARCH ESTERS
Martinus Gerardus Groen, Hoogezand, Netherlands; vested in the Alien Property Custodian
No Drawing. Application March 28, 1940, Serial No. 326,497. In The Netherlands December 12, 1938
3 Claims. (Cl. 260—234)

1. A method of producing starch esters containing at least 2.5 acyl groups per molecule of starch, which comprises esterifying a solution of starch in an anhydrous medium consisting of an admixture of ammonium acetate and acetamide at elevated temperatures with an acylating agent, selected from the group consisting of the lower fatty acids and the lower hydroxy fatty acids, the proportion of the acylating agent used being sufficient to supply the said 2.5 acyl groups per molecule of starch.

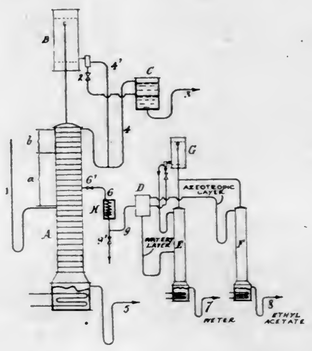
2,412,214
SOLVENT- AND FREEZE-RESISTANT SYNTHETIC RUBBER AND PROCESS OF PREPARING SAME
Anthony H. Gleason, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 19, 1943, Serial No. 487,617
10 Claims. (Cl. 260—84.5)

1. The process of preparing a synthetic rubber-like material having high solvent and freeze resistance which comprises polymerizing in aqueous emulsion a mixture of about 50–80 weight percent of a conjugated diolefin hydrocarbon, about 10–30 weight percent of a nitrile corresponding to the general formula

$$CH_2=\underset{\displaystyle R}{\underset{|}{C}}—CN$$

wherein R stands for a member of the group consisting of hydrogen and lower alkyl groups and 10–20 weight percent of a mono-chloro substituted conjugated diolefin.

2,412,215
DEHYDRATION OF ACETIC ACID BY AZEOTROPIC DISTILLATION
Henri Martin Guinot, Niort, France; vested in the Alien Property Custodian
Application January 8, 1941, Serial No. 373,689
In France January 13, 1940
5 Claims. (Cl. 202—42)



1. A continuous process for producing an anhydrous acetic acid from a solution comprising a major portion of an acetic ester and aqueous acetic acid which comprises introducing the solution into the middle part of a distilling zone containing predetermined proportions of the same acetic ester and a water-insoluble water entraining oil adapted to form with water an azeotropic mixture of lower boiling point than the azeotropic mixture of said ester and water, heating the distilling zone at an end thereof whereby a temperature gradient is set up in said zone forming

therein a section of operation for the acetic ester and a section more remote from the heated end for said water-insoluble water entraining oil; withdrawing the vapor from the end remote from the heated end, condensing the vapors, separating the non-aqueous constituent from the condensed vapors and returning the same to the entraining liquid section; withdrawing liquid containing a predominant percentage of said acetic ester from the acetic ester section of the distilling zone substantially at the same rate as the acetic ester is fed to the distilling zone in the form of a component of said solution, and withdrawing anhydrous acetic acid from the distilling zone at a point adjacent the heated end thereof.

2,412,216
RUBBERLIKE COMPOSITION
Mortimer T. Harvey, East Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application August 9, 1940, Serial No. 351,964
2 Claims. (Cl. 260—36)

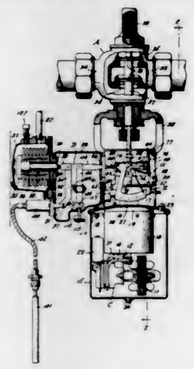
1. The method of making a rubber-like composition of matter capable of vulcanization with sulfur to a product having high tear strength which comprises blending together a polymerized butadiene synthetic rubber, a polyvinyl ester selected from the group consisting of polyvinyl chloride, polyvinyl acetate, and co-polymers of vinyl chloride and vinyl acetate, and a mutual solvent comprising an organic condensation reaction product of formaldehyde and turpentine under acidic conditions.

2,412,217
FROTH FLOTATION OF CHROMITE WITH FLUORIDE
Richard Havens, Salt Lake City, Utah, assignor to the United States of America, as represented by the Secretary of the Interior
No Drawing. Application December 19, 1944, Serial No. 568,908
5 Claims. (Cl. 209—166)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the beneficiation of chromium ores which comprises agitating and aerating an aqueous pulp of such an ore in the presence of hydrofluoric acid, and a long-chain fatty acid at a pulp acidity of between pH 1.5 and pH 5.5, and separating a chromium-containing froth as a concentrate.

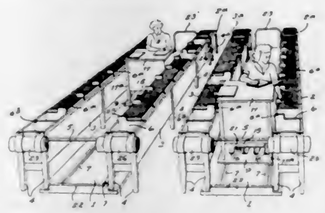
2,412,218
CONTROL DEVICE
Milton Hilmer, Center Valley, and George J. Signarovitz, Allentown, Pa., and Thomas Napier Adlam, West Orange, N. J., assignors to Sarco Company, Inc., New York, N. Y., a corporation of New York
Application August 31, 1944, Serial No. 552,190
8 Claims. (Cl. 236—74)

6. In a control device, a valve for permitting the passage of a medium therethrough to a receiver, means for actuating said valve, electrical means for operating said valve actuating means, an electrical switch in circuit with said electrical means, a pair of spaced plungers, means interposed between said receiver and one of said plungers and acted upon by and responsive to the pressure of the medium in the receiver for moving said plunger in response to pressure changes of the medium, thermo-sensitive means located exteriorly of said receiver, means interposed between the other plunger and said thermosensitive means and responsive thereto for moving the same in response to temperature changes exteriorly of said receiver, a lever connected at its opposite ends to said plungers respectively for movement therewith, a second lever having an abutment defining a fulcrum against which the first lever engages, means operatively engaging said second named lever and said switch for actu-



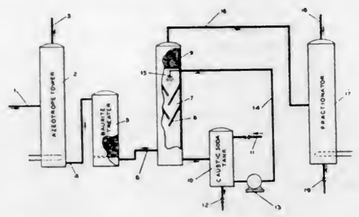
ating said switch by the movements of said plungers effecting movement of said levers to thereby control the operation of said electrical means and valve actuating means so as to regulate the flow of the medium through the valve in accordance with pressure changes of the medium in the receiver and temperature changes exteriorly thereof, and said abutment being adjustable longitudinally of said second named lever for regulating the device to render the same adaptable for varying pressure and temperature ranges.

2,412,219
FILING EQUIPMENT
Blaine Hunter, United States Navy, Staten Island, N. Y.
Application April 20, 1945, Serial No. 589,423
7 Claims. (Cl. 45—2)



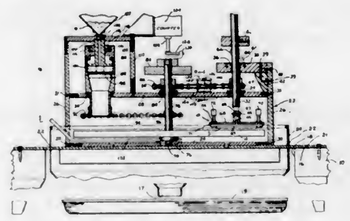
1. Equipment for filing and the like comprising a stationary platform, an elongated open top receptacle fixed upon the platform, guide means on the platform parallel and in close proximity to the adjacent side of the receptacle, fixed separators spaced at intervals in the receptacle and each having a projection on its top edge at its end abutting said adjacent side, a translatable carriage on the platform having antifriction means guided in the guide means, and a seat for an operator on the carriage disposed within convenient reach successively of said projections on the separators.

2,412,220
TREATMENT OF FLUORINE-CONTAINING HYDROCARBON MIXTURES
Gerald A. Ibach, Borger, Tex., and Carmen C. Tate, Okmulgee, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application January 3, 1944, Serial No. 516,868
5 Claims. (Cl. 196—41)



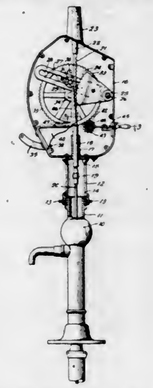
1. In a process for treating hydrocarbon materials containing minor amounts of fluorine compounds as impurities by contact with a bauxite containing siliceous material under conditions such that fluorine is retained by said bauxite and silicon tetrafluoride is formed from such siliceous material, the improvement which comprises, passing a hydrocarbon material effluent from such a treatment with such a bauxite, and containing said silicon tetrafluoride, into the bottom of a purification zone comprising a lower contacting zone and an upper filtration zone, passing an aqueous solution of sodium hydroxide to the top of said contacting zone and contacting same therein with said hydrocarbon material to dissolve said silicon tetrafluoride therein, and passing said hydrocarbon material upwardly through said contact zone and subsequently upwardly through said filtration zone to remove entrained sodium hydroxide solution.

2,412,221
WEAR TEST MACHINE
Danos H. Kallas, Brooklyn, Albert W. Cizek, Jr., East Elmhurst, and Howard Nestlen, Woodhaven, N. Y.
Application August 12, 1944, Serial No. 549,252
9 Claims. (Cl. 73—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



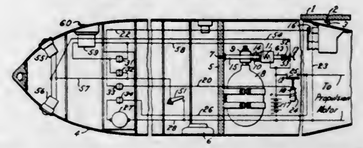
5. A wear test machine comprising a shoe adapted to support a test sample, a wear inducing member, means for intermittently imparting impact between said shoe and said wear inducing member, means for rotating said shoe and wear inducing member in the plane of their contact with each other and relative to each other and means for uniformly distributing an abrasive on the surface of said wear inducing member.

2,412,222
PUMP JACK
Louis Kessler, Oak Park, Ill., assignor to Charles J. Muntwyler, Oak Park, Ill.
Application November 18, 1943, Serial No. 510,783
2 Claims. (Cl. 74—46)



1. A pump jack adapted to be fitted to a farm pump and operable by either a motor or a windmill and comprising a housing adapted to be fitted to a pump having a vertically reciprocating pump rod, a vertically slidable rack bar adapted to be connected to the pump rod, an oscillating gear element meshing with the rack bar and pivotally mounted at one side of the same, an arm fixed to the gear element and adapted to operate in unison therewith and provided with a longitudinal slot, a rotating gear element mounted in the housing and having its axis spaced from that of the oscillating gear element, a crank carried by the rotating gear element and operable in the slot of said arm, a horizontal crank shaft journaled in the housing and connected with said rotating gear element and provided with a crank arm, a lever fulcrumed intermediate of its ends and extending beyond the housing, a link connecting one arm of the lever with said crank arm, means for detachably connecting the other end of the lever with a reciprocating actuating member of the windmill, and means for connecting the rotating gear element with a motor and for disconnecting it therefrom including a pinion meshing with said rotating gear element.

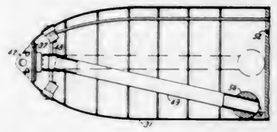
2,412,223
BUOYANCY CONTROL DEVICE
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 5, 1944, Serial No. 548,276
7 Claims. (Cl. 114—20)



1. In a system of control for pneumatically expelling the ballast liquid from the practice head of a torpedo by means of a gas from a high pressure gas flask mounted on the practice head, in combination, a source of gas pressure comprising a flask, a conduit connecting the flask with the

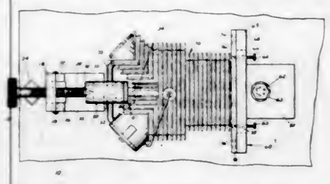
practice head, a valve for closing the conduit, an energized solenoid for holding the valve closed, and means responsive to either the stopping of the torpedo in its run or a predetermined run of the torpedo, whichever in point of time occurs first, for de-energizing the solenoid to thus open the conduit to cause gas under pressure to enter the practice head to expel the ballast liquid from the practice head.

2,412,224
EXHAUST VALVE FOR TORPEDO EXERCISE HEAD
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 5, 1944, Serial No. 548,277
4 Claims. (Cl. 114—20)



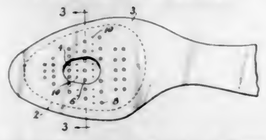
1. In mechanisms for discharging the torpedo balancing liquid, in the exercise head of a torpedo from the exercise head at the end of an exercise run to make the torpedo buoyant, in combination, a cylindrical member having an outer end hermetically sealed to the inner surface of the nose of a head directly adjacent to an opening in the nose of the head, said cylindrical member having a re-entrant portion at its inner end designed as an annular valve seat, a valve plate disposed to rest on the valve seat, a towing eye for the head designed as a spider rigidly secured to the nose of the head over the opening in the nose, and spring means, under selected compression disposed between the spider-like towing eye and the valve for holding the valve on the seat with a predetermined force.

2,412,225
CLAMP
Frank E. Mahusky, Brooklyn, N. Y.
Application August 3, 1945, Serial No. 608,802
3 Claims. (Cl. 77—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



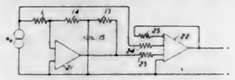
1. A clamp for holding workpieces comprising a base, an elongated member pivoted to said base, a screw in threaded engagement with said elongated member and positioned generally normal to said elongated member, a block, said block having an opening therein, a slot between said opening and the periphery of said block, a clamp plug block, said clamp plug block being removably fitted to said slot, and a projection on said clamp plug block to hold one portion of the workpiece, means to connect said screw to said block, and means to hold another portion of the workpiece.

2,412,226
SHOE SOLE CONSTRUCTION
Meyer Margolin, Elgin, Ill.
Original application February 8, 1941, Serial No. 377,948. Divided and this application January 16, 1943, Serial No. 472,541
4 Claims. (Cl. 36—3)



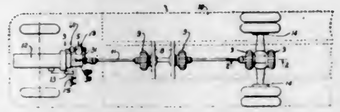
1. In combination an outsole, a hump integral with said outsole on the upper central portion thereof, an insole, an opening in said insole corresponding to said hump and a resilient member between said outsole and insole, and said resilient member having a dished out cavity on the undersurface thereof.

2,412,227
ELECTRICAL DIFFERENTIATOR
Henry G. Och, West Englewood, and Karl D. Swartzel, Jr., Teaneck, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1941, Serial No. 391,332
3 Claims. (Cl. 178—44)



1. In combination, a source of voltage to be analyzed, a linear amplifier having an input and an output circuit, a first resistor in serial relationship with said source connected to the input circuit of said amplifier, and a feedback path from said output circuit to said input circuit including two resistors connected in serial relationship in said path, and a capacitor connected from the junction of said resistors in shunt to said path, whereby the output of said amplifier contains components corresponding to the voltage from said source, and to the differential or time derivative of said voltage, a second linear amplifier having an input and an output circuit, a fourth resistor in serial relationship with the output circuit of said first amplifier and the input circuit of said second amplifier, a feedback path from the output circuit to the input circuit of said second amplifier, and a fifth resistor in serial relationship with said source connected to the input circuit of said second amplifier.

2,412,228
APPARATUS FOR REGULATING VEHICLE SPEED
John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Application January 26, 1944, Serial No. 519,726
8 Claims. (Cl. 192—3)



1. A braking system for an automotive vehicle having a speed controller adjustable manually

away from and toward a low speed or idle position, said system having, in combination, electric braking means, a generator for energizing said braking means when active and having a field circuit including a shunt winding, a discharge resistance, a variable resistance, a magnetic relay adapted when energized to interpose said discharge resistance in said field circuit and when deenergized to interpose said variable resistance in said circuit whereby to render the generator active, means for varying the value of said variable resistance to regulate the generator output, and means operable to deenergize said relay when said speed controller is retracted to said idle position and to energize the relay when the controller is positioned for operation of the vehicle at higher speeds.

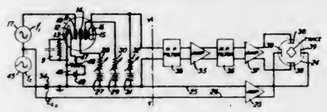
2,412,229
ALKYLATION OF AROMATIC HYDROCARBONS
Raymond E. Schaad, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 31, 1941, Serial No. 396,163
20 Claims. (Cl. 260—671)

2. A process for producing alkylated aromatic hydrocarbons which comprises subjecting an aromatic hydrocarbon and an olefinic hydrocarbon to contact under alkylating conditions in the presence of an alkylating catalyst whose alkylating components consist essentially of a pyrophosphate of a metal selected from the members of the right-hand column of group I of the periodic table.

2,412,230
ALKYLATION OF AROMATIC HYDROCARBONS
Raymond E. Schaad, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 18, 1942, Serial No. 451,471
19 Claims. (Cl. 260—671)

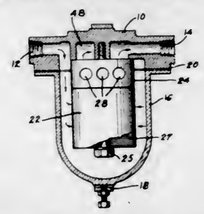
1. A process for producing aromatic hydrocarbons having a higher number of carbon atoms per molecule than the aromatic hydrocarbon from which they are derived, which comprises subjecting an aromatic hydrocarbon to contact with an alkoxy compound under alkylating conditions in the presence of a catalytically effective amount of a pyrophosphate of a heavy metal selected from the members of the right-hand column of group I of the periodic table.

2,412,231
ELECTRONIC TUBE TESTING APPARATUS
Edward H. Sharkey, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 28, 1942, Serial No. 463,705
16 Claims. (Cl. 315—370)



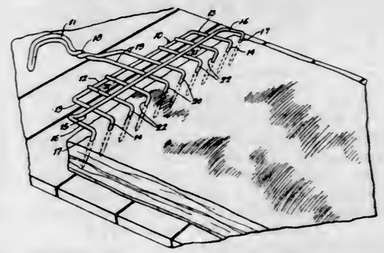
1. In combination, in a device for indicating a characteristic of electronic apparatus embodying a plurality of electrodes, means to connect said apparatus in an operative circuit which includes a load applied to the output electrodes of said apparatus and whose parameters are proportioned to simulate substantially the circuit parameters with which said apparatus is to be ultimately utilized, means to apply an electrical wave of certain frequency to the input electrodes of said apparatus so that the certain wave is reproduced across said load, means to impress a biasing voltage of varying magnitude and polarity on a preselected electrode of said apparatus, and means to utilize the reproduced certain wave across said load to indicate continuously the characteristic of said apparatus, comprising gain versus biasing voltage with reference to said preselected electrode and the parameters of said circuit means.

2,412,232
VALVE
Bernard G. Sutton, Algonac, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 16, 1943, Serial No. 483,243
10 Claims. (Cl. 210—165)



1. In a valve for fluid filters, a cylindrical body, two groups of fluid passages in said body disposed on opposite sides thereof, a hinge plate secured to the interior of the body between the groups of fluid passages, said plate having a notch in each end thereof, an upturned ear along the closed end of each notch and extending transversely of the plate, an arcuate valve member for each group of passages adapted to fit against the interior wall of the body, each of said valve members having an end received in a respective notch and pivoting against the ear thereof, the latter being inclined over said end of the valve member, and yielding means urging the valve members into close contact with the interior wall of the body.

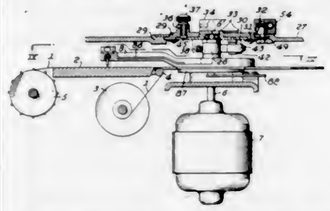
2,412,233
BACON HANGER
Samuel M. Tominello, Chicago, Ill.
Application June 9, 1944, Serial No. 539,405
4 Claims. (Cl 17—44.3)



1. A hanger for bacon slabs comprising an elongated body having means for suspending the same and a row of parallel impaling prongs all

extending rearwardly from the body and all lying in a substantially horizontal plane and deflected along the length of the body laterally in the same direction and in substantial degree away from right angle relation to the body and adapted to be driven into a slab of bacon in oblique relation to the plane of the surface thereof.

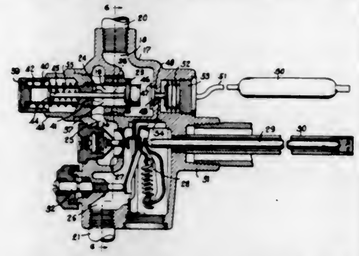
2,412,234
APPARATUS FOR ECHO DISTANCE MEASUREMENT
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application January 5, 1940, Serial No. 312,504. Divided and this application November 22, 1940, Serial No. 366,637
2 Claims. (Cl. 177—386)



1. In a recorder for echo distance measuring systems having a record paper, a stylus and means moving the same repeatedly across the paper at a constant speed, means for varying the range of distances recorded on said paper including contact means adapted, when operated, to effect production of a signal impulse, cam means for operating said contacts, said cam being mounted on an axis rotated at a speed proportional to the speed of said stylus moving means, a panel having a substantially circular aperture therein positioned with its center on said axis extended, a ring rotatably mounted on said panel in said aperture, a circular plate adapted to fit into said ring, means rotatably mounting said plate in said ring, means mounting said contact means fixedly on said plate and positioned to be operated by said cam, manually operable means for rotating said plate within said ring and thereby rotating said contact means relatively to said cam, means for locking said plate in said ring in a plurality of predetermined positions each corresponding to a range of distances to be recorded and independently manually operable means for rotating said ring in said panel and thereby said plate and contact means for providing accurate synchronization between the instant of production of the signal and the instant the stylus crosses a predetermined line on the record paper.

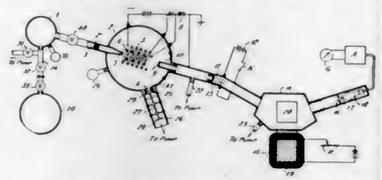
2,412,235
SAFETY VALVE MECHANISM
Thomas F. Van Denberg, Cleveland Heights, and John Selby, Euclid, Ohio, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 13, 1944, Serial No. 558,514
9 Claims. (Cl. 158—117.1)

1. Controlling mechanism of the character described, comprising movable control means having idle and operating positions, a magnet couple including cooperating mated permanent magnet and keeper members, both of which are movable and one of which is operatively associated with said control means, means biasing said control means toward one of its positions, reset means for advancing said control means against said bias toward its other position and its associated couple member to a position neighboring its mate, stop



means for limiting advance motion of said associated couple member, and condition responsive means for adjusting the other couple member toward or from its mate, to produce contact or separation between the couple members with consequent holding or release of the associated control means.

2,412,236
MASS SPECTROMETRY
Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application December 9, 1943, Serial No. 513,526
20 Claims. (Cl. 73—18)

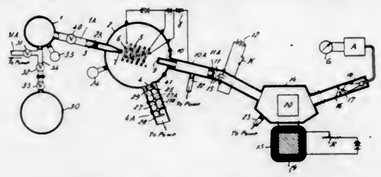


1. In a method of analyzing a gas mixture with a mass spectrometer having an ionization chamber and a sample chamber connected thereto, the improvement which comprises flowing the mixture from the sample chamber into the ionization chamber while maintaining the sample chamber pressure and the ionization chamber pressure so low that each component of the mixture flows from the sample chamber into the ionization chamber at a rate dependent on the partial pressure of that component in the mixture and independent of the partial pressure of any other component of the mixture.

2,412,237
MASS SPECTROMETRY
Harold W. Washburn, Pasadena, and Daniel Dwight Taylor, Altadena, Calif., assignors to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application December 9, 1943, Serial No. 513,527
3 Claims. (Cl. 73—18)

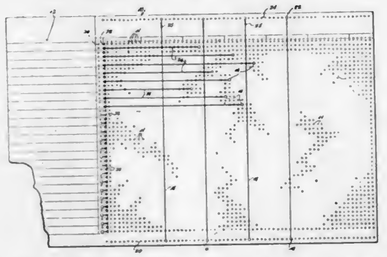
1. In analyzing with a mass spectrometer having a sample region and an ionization region, a gas mixture having a plurality of components therein which upon ionization form ions of a common mass-to-charge ratio, the improvement which comprises pressure flowing a sample of said gas mixture into the ionization region while

maintaining the sample region pressure and ionization region pressure such that the respective components of the mixture flow from the sample region into the ionization region at the same rates with which they would flow if present alone, ionizing at least a portion of the admitted sample, measuring the amount of ionization products formed under standard conditions to obtain a partial mass spectrum for said gas mixture, separately admitting substances corresponding chemically to the respective components of the



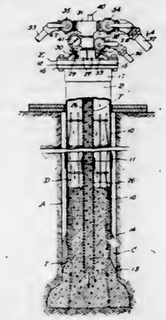
mixture into the ionization chamber at such rates and ionizing said substances, measuring the amounts of ionization products derived from the individual substances, and thus obtaining individual partial mass spectra for said substances, said spectra for said mixture and said substances including measurements for ion currents due to said ions having said common mass-to-charge ratio, and determining the composition of said mixture by comparing said partial spectrum of said gas mixture with said partial spectra of said substances.

2,412,238
PRODUCTION CONTROL BOARD
Frank Lloyd Wassell, Westport, Conn., assignor to Georgene P. Wassell, Westport, Conn.
Application August 13, 1942, Serial No. 454,712
8 Claims. (Cl. 116—135)



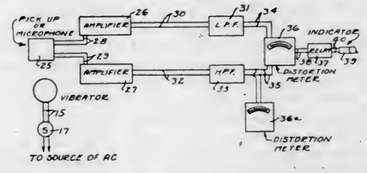
1. In an indicating device, a pair of boards each having a plurality of peg receiving holes in one face thereof, said holes being positioned closely adjacent each other and being arranged in alignment with each other to form vertical and horizontal rows, said boards being secured together with said faces positioned to form the exterior faces of a board structure and being spaced from each other to provide a hollow board structure, a plurality of pegs provided with a shank portion fitting said holes in said board, for insertion into selected holes so as to resist removal therefrom, a plurality of flexible members each having one end attached to one of said pegs and extending to the interior of said board structure adjacent one side edge of each of said boards, spring means individual to each of said members positioned in the interior of said board structure for tensioning said members and withdrawing the same to the interior of said board structure upon removal of the corresponding peg from a hole in one of said boards, said flexible members being aligned with selected ones of said horizontal holes.

2,412,239
METHOD OF PRODUCING PILING
Carl Weber, New York, N. Y.
Application March 15, 1945, Serial No. 582,913
10 Claims. (Cl. 61—57)



1. A method of producing built-in-place concrete piling which consists in forcing the enlarged lower end of a reception pipe into the ground to the desired depth to form a well of greater cross-sectional size than that of the major diameter of said reception pipe, closing the upper end of the reception pipe and sealing in extending relation through said closed upper end a concrete injection conduit having its lower end disposed adjacent the enlarged lower end of the reception pipe, introducing a gaseous fluid under pressure within the upper end of the reception pipe exteriorly of the conduit and after discharging the ground water in the well upwardly through the conduit by said gaseous fluid pressure, simultaneously raising the pipe and conduit in successive stages while at the same time displacing the concrete from the pipe and conduit under the gaseous fluid pressure to forcibly impact the concrete in the well to fill the same and produce the built-in-place piling.

2,412,240
METHOD AND MEANS FOR TESTING FOR IMPERFECTIONS IN VIBRATABLE OBJECTS
Frank W. Williams and James Clark, Dayton, Ohio
Application July 16, 1943, Serial No. 495,076
10 Claims. (Cl. 73—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of testing for imperfections in vibratable objects which consists in subjecting the object to rapid blows of a predetermined or fundamental frequency by means of an electrically operated vibrator whose natural resonance is of

the same frequency as the electric current which actuates the vibrator; picking up the sound of the blows through a microphone; amplifying the current output from the microphone in two parallel circuits; filtering the current by a low pass filter in one circuit and by a high pass filter in the other circuit; and conducting the filtered currents to a distortion meter having two circuits, to compare the harmonics with the fundamental.

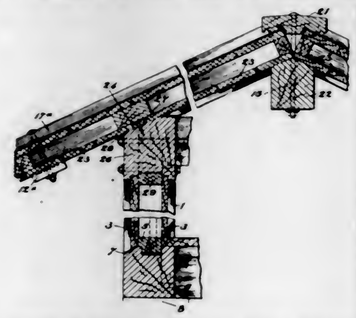
2,412,241
SKATING COSTUME
Edmund Abrahamson, Baldwin, N. Y.
Application June 5, 1945, Serial No. 597,667
7 Claims. (Cl. 272—9)



1. A costume comprising a vest garment adapted to be worn by a performer, a pair of upstanding support members rigidly secured to the shoulder portions of said garment, shoes carried at the upper ends of said support members, an inverted trouser garment, the leg portions of which respectively cover said upstanding support members and are secured thereto adjacent said shoes, said inverted trouser garment being adapted to cover the upper portion of the performer, an inverted shirt garment adapted to cover the lower portion of the performer with the performer's legs received in the sleeves of said shirt garment, a simulated head depending through the collar of said shirt garment, and supporting means for said head.

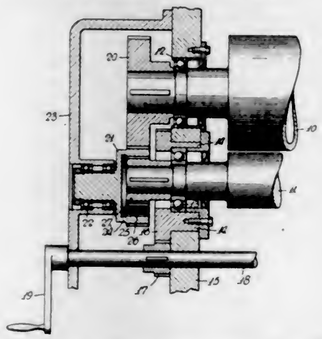
2,412,242
DISMOUNTABLE BARRACK
Emile Beaud, Albeuve, Fribourg, Switzerland, assignor to house Maurice Beaud & Fils, Albeuve, Switzerland, a firm of Switzerland
Application May 26, 1944, Serial No. 537,401
In Switzerland May 3, 1943
4 Claims. (Cl. 20—2)

1. In a dismountable barrack, corner posts, grooved sills connecting the lower portions of the corner posts, grooved purlins connecting the upper ends of the posts and a ridge purlin supported above the first mentioned purlins, elements each including a frame comprising side parts and lower and upper parts, fitted respectively into the grooved sill and grooved purlin, the side parts having internal and external grooves, panels composed of boards fitted in the internal grooves, connecting tongues carried by the outer grooves in the side parts of one element for fitting within corresponding grooves on the contiguous element, lists fixed to the first mentioned upper purlins and a roof having the



upper edges supported on the ridge purlin and the lower portions provided with chamfered edges for engaging the lists.

2,412,243
ADJUSTING AND DRIVING MECHANISM FOR ROTARY MEMBERS
Herbert C. Behrens, Haddon Heights, N. J., assignor to Samuel M. Langston Co., Camden, N. J., a corporation of New Jersey
Application October 19, 1943, Serial No. 506,823
7 Claims. (Cl. 74—395)

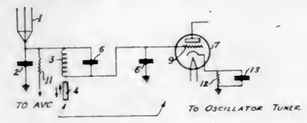


1. A pair of rotary members, each having a gear, an eccentric bearing for supporting one of said members, whereby it may be rotated to move said member toward and from the other member, and an annular gear co-axial with said eccentric bearing, the gear of one of said members meshing with inwardly facing teeth on said annular gear, and the other of said members having a gear meshing with exterior teeth on said annular gear.

2,412,244
SUPERHETERODYNE RECEIVER
Howard J. Benner, Springfield, Mass., assignor of one-half to Colonial Radio Corporation, Buffalo, N. Y., and one-half to The F. W. Sickles Company, Springfield, Mass.
Application November 10, 1938, Serial No. 239,788
16 Claims. (Cl. 250—20)

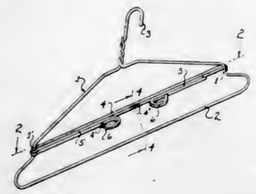
1. In a superheterodyne receiver, in combination, inductance and capacity elements associated together to form a resonant circuit, tunable as a whole by variation of one of said elements to select desired signal frequencies, said

variable element forming, with another of said elements, a parallel tuned resonant circuit which



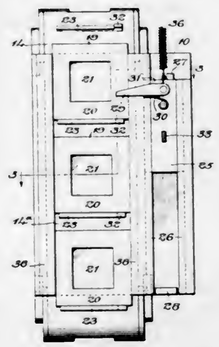
is maintained resonant to the image of the selected signal frequency.

2,412,245
GARMENT HANGER
Carl S. Bjorklund, Edgar C. Bjorklund, and Edsel T. Bjorklund, Milwaukee, Wis.
Application October 1, 1945, Serial No. 619,482
1 Claim. (Cl. 223—91)



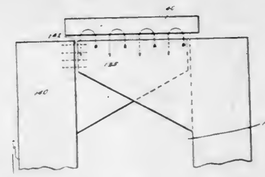
In a garment hanger provided with downwardly inclined wires, connected by a cross strip, the inclined wires being offset above the cross strip to form vertically disposed seats, a trouser support for the hanger comprising a double wired backing piece looped about the yoke offsets and folded upon itself to form spring clamps associated with a back, the clamp ends terminating with gripper loops spaced apart to form a garment receiving mouth.

2,412,246
PROJECTION PICTURE FEEDING MECHANISM
Max E. Blumenstein, Hyattsville, Md.
Application July 28, 1945, Serial No. 607,551
3 Claims. (Cl. 88—28)



3. A mechanism for feeding picture slides to a viewing position, said mechanism comprising an endless belt including outer and inner reaches and having therein a plurality of apertures equally spaced apart longitudinally thereof, a member mounted for sliding movement longitudinally with respect to said belt between retracted and projected positions, stop means limiting sliding movement of said member, resilient means tending constantly to retract said member, projections on said belt having the same spacing as the apertures therein, a pawl carried by said member for cooperation with said projections so that each time said member is slid from its retracted position to its projected position said belt is advanced one step equal to the spacing of said apertures, said apertures being disposed so that for each step of advance of said belt a new aperture of each belt reach is brought to the viewing position, picture slide supports carried by said belt, said supports being individual to said belt apertures and each being located to support a slide in alinement with its related aperture, and means for depositing onto each support as it reaches a position in advance of the viewing position a picture slide to be carried by said belt to the viewing position.

2,412,247
CIRCUIT BREAKER HOLDING MAGNET AND ARMATURE
Donald I. Bohn, Pittsburgh, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 28, 1942, Serial No. 452,613
7 Claims. (Cl. 175—336)

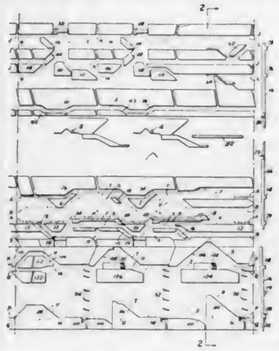


1. In a holding magnet, a plurality of magnetic conductors of one polarity a common magnetic path for all of said magnetic conductors; a plurality of magnetic conductors of an opposite polarity; said magnetic conductors being arranged in a stack parallel to each other, the magnetic conductors of one polarity being interleaved between the magnetic conductors of the opposite polarity and spaced from each other; and an armature having a face simultaneously engageable with each of said magnetic conductors and completing a plurality of magnetic paths between adjacent magnetic conductors, the adjacent magnetic conductors providing leakage paths between each other when said armature moves away from said conductors.

2,412,248
KNITTING METHOD AND MACHINE
Paul W. Bristow, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application October 12, 1944, Serial No. 558,337
19 Claims. (Cl. 66—14)

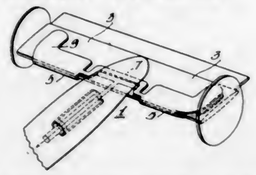
1. A knitting machine comprising superposed needle carriers, sliders provided with butts and needles controlled by the sliders movable in said carriers, means for transferring all needles located in one carrier to the other carrier, means for thereafter transferring selected needles from the second carrier to the first carrier, means for controlling sliders in the second carrier to cause needles therein to form selectively stitches of

varying types, and means for preventing sliders which have transferred needles to the first carrier



from being controlled by said means for causing the formation of stitches.

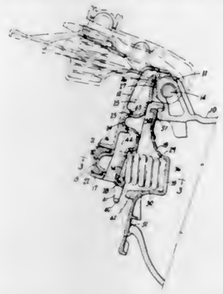
2,412,249
ANTENNA
George H. Brown, Haddonfield, and Donald W. Peterson, Collingswood, N. J., assignors to Radio Corporation of America
Application April 23, 1942, Serial No. 440,136
4 Claims. (Cl. 250—33)



1. A radio antenna comprising a relatively non conductive supporting body, discrete particles of conductive material disposed in intimate engagement with the surface of said supporting body, said particles constituting substantially electrically homogeneous films in the form of pairs of strips connected together so as to substantially embrace portions of said supporting body, said pairs of strips being so located and connected with respect to each other as to present the electrical characteristic of an inductively loaded dipole.

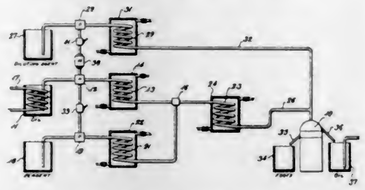
2,412,250
JOURNAL BOX LID
Albert O. Buckius, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application September 2, 1942, Serial No. 457,037
8 Claims. (Cl. 308—47)

1. A journal box lid comprising a closure member and a housing member, means for joining said members for a limited amount of universal pivotal movement comprising a spherical recess in said closure member and a spherical projection on said housing member received in said recess, a lever pivotally mounted in said housing member, spring means between an end of said lever and said closure member adapted, through said lever, to maintain said projection in said recess, and a substantially horizontal flange on said housing member extending outwardly of and overlapping said closure member in the region of said recess adapted to limit longitudinal movement of said closure member relative to said



housing member in the event that said spring means becomes incapable of maintaining said projection in said recess.

2,412,251
PURIFICATION OF OIL
Benjamin Clayton, Houston, Tex., assignor, by mesne assignments, to Benjamin Clayton, Houston, Tex., doing business as Refining, Unincorporated
Application April 21, 1943, Serial No. 483,953
13 Claims. (Cl. 260—425)

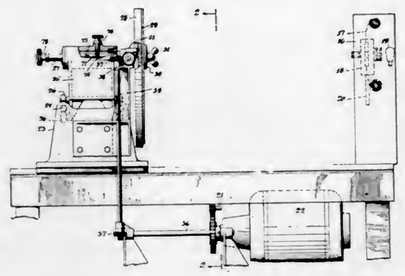


7. The process of purifying vegetable and animal oils containing impurities, including free fatty acids, which comprises, mixing therewith an alkaline refining reageant capable of reacting with said impurities to precipitate the same and produce soap, said reagent being added in sufficiently high concentration to produce a stratified mixture including an oil phase, a soap phase, and an aqueous phase when the mixture is subjected to centrifugal separation, thus interfering with said separation, reducing concentration by adding an aqueous diluent to said mixture in sufficient quantity to overcome such stratification, whereby to permit said soap to be discharged with said aqueous layer, and centrifugally separating the thus conditioned mixture.

2,412,252
PRINTING APPARATUS
J. Burgi Contner, New York, N. Y., assignor to Great American Industries, Inc., Meriden, Conn., a corporation of Delaware
Continuation of application Serial No. 399,069, June 21, 1941. This application March 27, 1944, Serial No. 528,274
1 Claim. (Cl. 88—24)

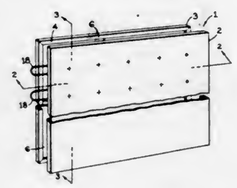
A printing apparatus including in combination guiding means, a carriage mounted for movement along said means, a transversely extending shaft rotatably supported by said carriage, a rigid

plate secured to said shaft in advance of said carriage, a record, means for mounting said record in contact with the outer face of said plate and against movement with respect to the same, a light source, means to receive and shift in operative association with said source an image-carrying member and whereby a light image may be projected towards said record and plate, driv-



ing means extending spirally from the rear face of said plate and formed with a series of notches, means connected to said driving means and extendable into the notches defined by said rib to rotate said plate, and further guide means movable with respect to said carriage and engaging said rib whereby as said plate rotates said carriage shaft, plate and record will be shifted laterally.

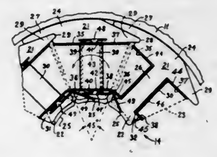
2,412,253
WALL PANEL
Maury I. Diggs, New Orleans, La., assignor to Higgins Industries, Inc., New Orleans, La., a corporation of Louisiana
Application December 17, 1945, Serial No. 635,525
9 Claims. (Cl. 72—44)



1. Wall panel comprising a pair of spaced sheets having bonding pillars between them at various points, said bonding pillars comprising spacing tubes of uniform length against the end of which the sheets abut, a cementitious mass within said spacing tubes, and fingers juxtaposed within said spacing tubes fixed to the respective sheets and embedded in the cementitious mass.

2,412,254
MOTOR
Walter E. Edelman, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 27, 1942, Serial No. 436,455
12 Claims. (Cl. 171—252)

1. In a multipolar stator, a stator section comprising a radial pole portion of uniform cross-section, a yoke portion extended normally to each side of said pole portion, and a pole face portion extended to each side of said pole portion, said extension of said yoke and pole face por-



tions being determined by a central angle which is a function of the number of poles.

2,412,255
TWEEZERS
George M. Ferguson, Portland, Oreg.
Application October 20, 1944, Serial No. 559,565
3 Claims. (Cl. 81—43)



1. In a device of the class described, a combination of a cylindrical rubber insert having a pair of parallel longitudinal slots formed in one side thereof on opposite sides of its center, a tweezer arm occupying each of said slots and having outwardly extending pivot pins between the arm ends projecting beyond the endmost limits of the rubber insert, a disc disposed at each end of said insert having openings therein for the reception of said pivots, and a rivet passing through said discs and through said insert.

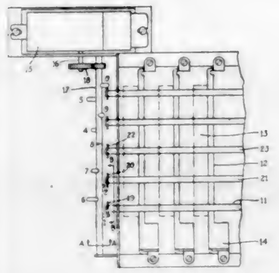
2,412,256
PROCESS FOR THE PRODUCTION OF ERYTHRINA ALKALOIDS
Karl Folkers, Plainfield, and Randolph T. Major, Mountainside, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application November 13, 1942, Serial No. 465,460. Divided and this application June 3, 1944, Serial No. 538,699
3 Claims. (Cl. 260—236)

2. The process that comprises treating an aqueous solution of the "free" fraction from species of Erythrina comprising "free" individual alkaloids with sodium hydroxide, extracting the alkaline solution thus obtained with chloroform, acidifying the aqueous alkaline solution remaining after such extraction, heating to reflux the acidified solution, treating with sodium bicarbonate, extracting the weakly alkaline solution thus obtained with chloroform, and recovering from the last-mentioned chloroform extract the alkaloidal substance, "erythroidine," a stereoisomeric mixture of formula $C_{16}H_{19}NO_3$.

2,412,257
CROSSBAR SWITCH MECHANISM
Charles Gillings and Lawrence John Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 4, 1943, Serial No. 512,889
In Great Britain January 21, 1943
3 Claims. (Cl. 179—27.54)

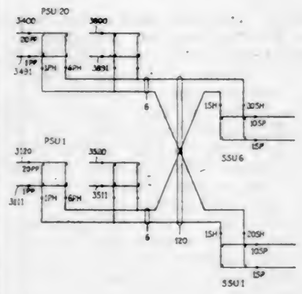
1. In a crossbar switch, lateral bars and longitudinal bars so arranged that each lateral bar

intersects all of the longitudinal bars, two sets of electrical contacts for each such intersection, each of said bars having a normal position, means mechanically linked with all of said lateral bars and selectively operated to move any desired one of the lateral bars in either of two directions away from its normal position, means for moving



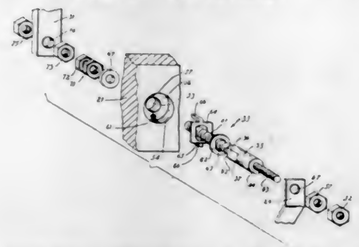
any one of the longitudinal bars away from its normal position, and means whereby the movement of any one of said lateral bars and any one of said longitudinal bars away from their respective normal positions is effective to operate the two contact sets for the intersection of those bars selectively in accordance with the direction that said one lateral bar is moved away from normal.

2,412,258
TELEPHONE OR LIKE SYSTEM
Charles Gillings and Lawrence John Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 8, 1943, Serial No. 513,370
In Great Britain December 31, 1942
19 Claims. (Cl. 179—18)



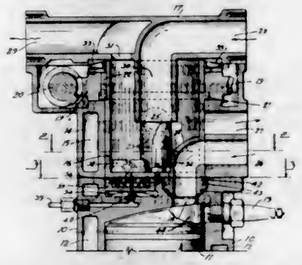
1. In a telephone system wherein connections are extended from a calling line through a non-numerical switching stage and then through successive numerical switching stages to any desired called line, a switching unit at each of said stages, control equipment individual to each of said switching units, and means including a crossbar switch in each of said switching units operated selectively by the control equipment individual to that unit thereby to extend connections one after another through the associated switching stage and to maintain a plurality of such connections extended concurrently.

2,412,259
CIRCUIT BREAKER MOUNTING AND CONNECTING STUD
Herbert C. Graves, Jr., West Chester, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 25, 1942, Serial No. 455,978
1 Claim. (Cl. 287—20)



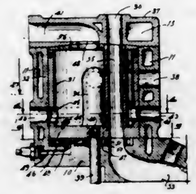
In electrical switchgear, a stationary panel having a principal opening, a round conducting stud extending through said principal opening in said panel, a locking member slidable along said stud to a non-rotatable position thereon; said panel having additional openings therein; said locking member having fingers engageable in said additional openings to prevent relative rotation therebetween; said stud comprising a cylindrical portion and threaded portions at each end, shoulders at the junctions of said cylindrical and said threaded portions, a pair of parallel opposed flats on one end of said cylindrical portion; shoulders normal to the axis of the stud at the ends of said flats remote from said adjacent threaded portion; said locking member having an opening embracing the flats on said stud to prevent relative rotation; the body of said locking member abutting one side of said panel; and means engageable with said stud on the opposite side of said panel for clamping said locking member to said panel.

2,412,260
AIR-COOLED ROTARY VALVE
Charles W. Hall, Denver, Colo., assignor to Malcolm S. Losey, Denver, Colo.
Application March 20, 1945, Serial No. 583,803
3 Claims. (Cl. 123—190)



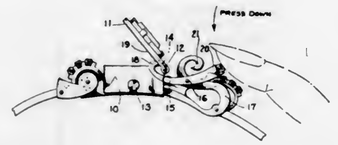
1. A rotary valve for an internal combustion engine comprising: a hollow cylindrical valve positioned and arranged to control the intake and exhaust gases to a cylinder of said engine; an air intake passage discharging into the hollow interior of said valve; an air discharge passage communicating with said hollow interior to carry the air therefrom; and a discharge nozzle on said intake passage extending axially into said valve to direct the air toward the bottom thereof.

2,412,261
ROTARY VALVE
Charles W. Hall, Denver, Colo., assignor to Malcolm S. Losey, Denver, Colo.
Application March 20, 1945, Serial No. 583,804
5 Claims. (Cl. 123—190)



1. In a rotary valve of the hollow cylindrical type, means for lubricating one end of said valve comprising: a rotary button; gear teeth around said button; a toothed pinion axially mounted on said valve in mesh with said teeth so that said button will rotate simultaneously with said valve; oil passages in said button; and means for supplying oil to said passages.

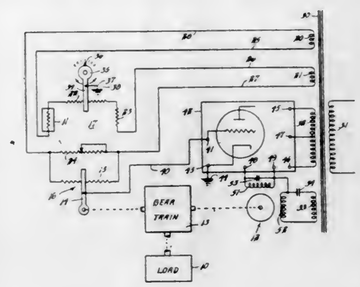
2,412,262
COVER
William Halpern, New York, Kurt Weiner, Elmhurst, and Rudolf Krochmal, New York, N. Y.
Application April 21, 1944, Serial No. 532,176
4 Claims. (Cl. 58—88)



1. A watch face cover construction comprising, in combination with a watch case, a cover pivotally mounted on said case and comprising a portion overhanging said case, a spring acting upon said cover to maintain the same in closed position, and a substantially bar shaped lever, said lever having an inner portion adapted to engage said overhanging portion to open said cover, said inner portion extending from the pivot pin of said lever to said overhanging portion outwardly of a straight line between said pin and the point of contact of said lever with said overhanging portion and being curved substantially in the plane of rotation of said lever and partially circumscribing the pivot pin of said cover when the lever is depressed and the cover is raised.

2,412,263
CONTROL APPARATUS
Henry E. Hartig, Robbinsdale, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 24, 1943, Serial No. 476,907
8 Claims. (Cl. 172—239)

1. Temperature control apparatus, comprising in combination, a pair of sources of electrical energy, a pair of impedance means, means connecting said sources and said impedance means alternately in a series circuit, one of said impedance means comprising, in series, a temperature responsive resistance element and a fixed resistance element, the other of said impedance means comprising a potentiometer resistance element, said potentiometer resistance element having a contact slidable with respect thereto to complete an electrical connection with any of a plurality

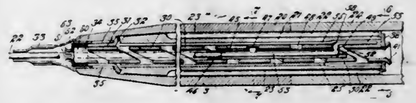


of spaced points thereon, temperature control means, electrical motor means for driving said temperature control means and said slidable contact, and potential responsive means for controlling said motor means connected between said contact and a point on said other impedance means intermediate said temperature responsive resistance element and said fixed resistance element.

2,412,264
COMPOSITIONS OF MATTER AND METHODS AND STEPS OF MAKING AND USING THE SAME
Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application November 2, 1944, Serial No. 561,634
12 Claims. (Cl. 260—512)

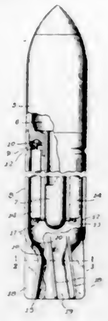
1. The method comprising sulphonating an organic condensation reaction product produced by subjecting a mixture of a phenol free of unsaturated hydrocarbon substituents with an alkyl ether of a phenol having an unsaturated hydrocarbon substituent to a condensing reaction in the presence of a katenoid condensing agent.

2,412,265
MECHANICAL PENCIL
Hugo S. Hasselquist, Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application January 19, 1944, Serial No. 518,825
10 Claims. (Cl. 120—18)



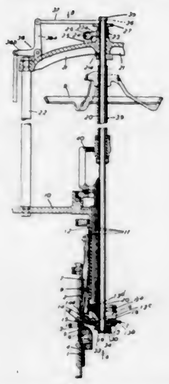
1. In a mechanical pencil, a barrel, a tip having its rear end secured in the front of the barrel, a spiral tube in the barrel, and means secured to the front end of the spiral tube for securing the tip in the barrel.

2,412,266
REACTION PROPELLED DEVICE
Reginald W. Hoagland, Detroit, Mich., assignor, by mesne assignments, to United States of America
Application February 22, 1944, Serial No. 523,412
2 Claims. (Cl. 102—49)



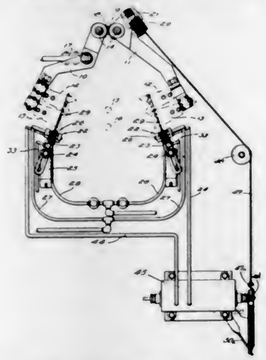
1. In a reaction propulsion device, a tubular casing adapted to contain a combustible propelling charge, one end of said casing being of reduced cross-section and providing an axially opening Venturi passage for the discharge of the products of combustion of said charge from said casing, the external surface of said reduced end flaring outwardly and axially away from the body of said casing, said casing having a plurality of apertures through the wall thereof adjacent said reduced end for discharging a portion of said products of combustion about said reduced end.

2,412,267
CIRCULAR KNITTING MACHINE
Henry Harold Holmes and Alfred Percy Saunders, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application January 3, 1944, Serial No. 516,790
In Great Britain January 8, 1943
18 Claims. (Cl. 66—14)



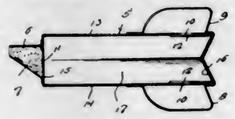
1. In a circular knitting machine, in combination, a needle cylinder, a second needle cylinder axially opposed to the said first mentioned cylinder, double-ended needles for operation in said cylinders, sliders in the cylinders for operating the needles and enabling same to be transferred from one cylinder to the other as occasion demands, means at a knitting location for operating the said sliders to cause corresponding needles to knit a yarn, instruments adapted to co-operate with the needles in loop formation at a point removed from said knitting location, movable elements for holding down the old loops formed by needles upon which rib stitches are produced while the same needles draw yarn for and knock over the succeeding new loops, and means for so controlling the said movable holding do... elements that the latter are moved to a position in proximity to the hooks of the knitting needles at the knitting location for the purpose stated and are then moved to and maintained in such a position as to avoid the instruments at the aforesaid point.

2,412,268
APPARATUS FOR AND METHOD OF SPRAYING GLASS MACHINERY
William T. Honiss, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application June 21, 1941, Serial No. 399,164
5 Claims. (Cl. 49—14)



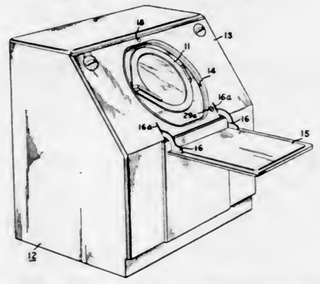
1. The combination with a glass cutting blade movable periodically between a glass cutting position and a retracted position at which the blade is to be cooled and lubricated, of a spray head for discharging a spray of water and air continuously onto the place occupied by said blade when it is in its retracted position, a normally inactive mechanism adapted, when actuated, to introduce an additional component into said spray, and means operable in response to the movement of the blade from its cutting position toward its retracted position to actuate said mechanism.

2,412,269
NOSE PUMP
Quan Hor, Boston, Mass.
Application August 11, 1944, Serial No. 549,061
2 Claims. (Cl. 128—206)



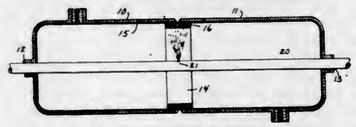
1. In a nose pump, a substantially rectangular box like construction including creased walls to form a bellows construction and having air intake and outlet openings, substantially conical shaped elements carried by one end of the box like construction over the outlet openings, medicated material in said elements, and thumb and finger straps secured to the box like construction, and of a single strip formation said strip being secured to opposite walls of the box like construction and one of the end walls thereof.

2,412,270
WASHING APPARATUS
William A. Johnston, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,148
2 Claims. (Cl. 68—13)



1. In apparatus for cleaning fabrics or the like, the combination of a tub for receiving the fabrics to be cleaned, a wall arranged at the front of the tub and having an access opening therein for the ingress of the fabrics to the tub, a hinged door for closing the opening and movable to an open, generally horizontal position for defining a shelf for the reception of the dry fabrics prior to their admission to the tub, an indicator to be rendered active when the weight of the dry fabrics on the door approximates a predetermined value, and means responsive to said predetermined weight of fabrics upon the door for energizing said indicator.

2,412,271
METHOD OF MAKING TANKS
Arthur J. Kercher, Berkeley, Calif.
Application July 12, 1943, Serial No. 494,320
2 Claims. (Cl. 29—148.2)

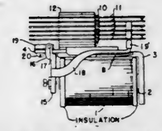


1. In a method of manufacturing enclosed tanks, lining two portions adapted to be joined with an elastic non-corrodible material to form a complete tank, each portion consisting of an end wall and a cylindrical side wall, coating with a non-corrodible material an annular member adapted to fit within said portions at their joint, the inner diameter of said lined portions being less than the outer diameter of said coated member, heating the open ends of said portions to expand the same and fitting them over said annular member whereby when cooled they will form a tight bond therewith and present a seam adapted to be welded, cooling and contracting said open ends snugly about said annular member, mounting said assembly for rotation, rotating said assembly, welding the said portions at their seam, and spraying water upon said annular member immediately behind the point in the path of rotation at which the welding heat is applied to dissipate said welding heat to prevent said non-corrodible lining from being heated to its fusing point.

2,412,272
ACYL DERIVATIVES OF VITAMIN B_6
John C. Keresztesy, Westfield, and Joseph R. Stevens, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application April 30, 1940, Serial No. 332,452. Divided and this application December 11, 1942, Serial No. 468,688
4 Claims. (Cl. 260—295)

2. Fat-soluble vitamin B_6 preparations essentially consisting of therapeutically pure acetyl derivatives of vitamin B_6 in substantially pure form.

2,412,273
ELECTROMAGNETIC RELAY
Raymond B. King, Forest Park, and Robert L. Huffman, Chicago, Ill., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 20, 1944, Serial No. 536,458
5 Claims. (Cl. 200—104)

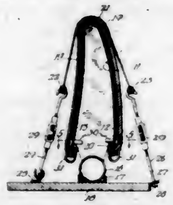


1. In a relay including a magnet and a heelpiece secured thereto, an armature therefor including a bearing pin, a plurality of contact spring sets, a non-magnetic plate, means securing said contact spring sets and said plate to the armature end of said heelpiece with said plate adjacent said heelpiece and extending beyond the armature end thereof and with the free ends of said contact spring sets facing towards the other end of said heelpiece, the fixed portions of said contact spring sets being substantially flush with the armature end of said heelpiece and occupying substantially the entire width thereof, a bearing block having a slot therein to receive said bearing pin, and means securing said bearing block to said extending portion of said plate so as to rotatably secure said bearing pin in said slot and to position said armature in cooperating relationship with said magnet, heelpiece, and contact spring sets, said last means permitting replacement of said armature, or adjustment thereof relative to said magnet and heelpiece without disturbing said contact spring sets.

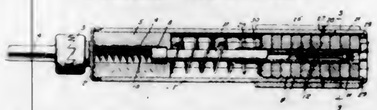
2,412,274
APPARATUS FOR MOLDING PLYWOOD PANELS
George E. Kloote, Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich., a corporation of New York
Application November 22, 1943, Serial No. 511,275
6 Claims. (Cl. 144—281)

1. Apparatus for molding laminated panels having side portions joined by a curved edge-forming bend which comprises a rigid male die

having an outer face conforming to the internal contour of the sides and the outwardly curved edge-forming bend desired in the panel, for receiving sheets of veneer interlaid with glue and shaping the panel, a removable elastic blanket adapted to be folded around and cover the assembled sheets on the die, and provided with means at the margins for enclosing the edges of the sides and ends of the sheets on the die and for sealing the blanket to the edge of the die, and adapted to be subjected to fluid pressure, flexible means adapted to extend continuously and longitudinally over the portion of the blanket engaging the edge-forming bend for exerting localized pressure on the blanket at the bend, and means for tensioning the flexible means for compacting the portions of the plies in the bend independently of fluidic pressure against the blanket and adapted to maintain such localized pressure while the blanket is subjected to fluidic pressure.



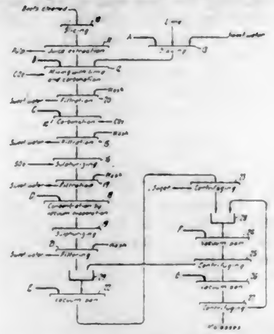
2,412,275
AUTOMATIC NUT GUN
Joseph Klopovic, Euclid, Ohio
Application August 15, 1944, Serial No. 549,525
7 Claims. (Cl. 81—125)



7. A magazine wrench comprising an open ended barrel, means adjacent the open end to resiliently restrain the passage of nuts therethrough, a slidable axially disposed guide within the barrel, spring means biasing the guide toward the open end of the barrel, a follower slidable on the guide, spring means biasing the follower toward the open end of the barrel, spring fingers carried by the guide having their free forward ends outwardly bent to form thread engaging members, a slidable member mounted on the forward end of the guide formed with a rearwardly directed cam part adapted to wedge the spring fingers into nut engaging position and a forwardly directed bolt engaging face, spring means biasing the slidable member into nonoperative position, a hand grasp freely rotatable on the barrel and means for engaging the barrel with a source of rotary power.

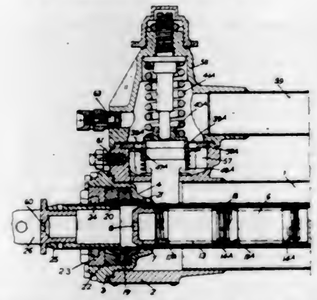
2,412,276
DEFOAMING COMPOSITION AND PROCESS
Rudolph H. Larsen, San Francisco, Calif., assignor to Fred Bresee, Jr., doing business as "Balab," Hillsborough, Calif.
Application January 19, 1942, Serial No. 427,305
5 Claims. (Cl. 127—50)

1. A defoaming composition for sugar syrup comprising a fatty acid of vegetable oil origin, the fatty acid being free of glycerine and obtained by removal from foots resulting from the refining of vegetable oil by treatment with alkali and subsequent acidulation with sulphuric acid,



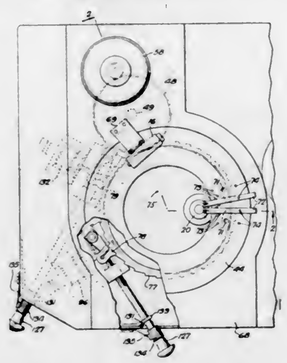
together with an unsaturated extract oil of mineral oil origin.

2,412,277
HYDRAULIC DAMPING DEVICE
Camille Clare Sprankling Le Clair, Acton, London, England
Application May 28, 1943, Serial No. 488,935
In Great Britain June 5, 1942
4 Claims. (Cl. 188—97)



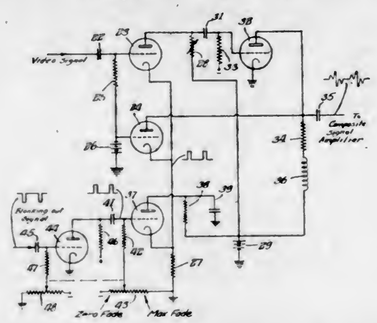
1. A damping device of the class described, comprising an operating cylinder having an operating piston therein and provided at each end with a hollow header, a passageway in each of said headers communicating with the interior of said operating cylinder, a transfer conduit connecting said passageways in the two headers, a flow-resisting valve disposed in each of said passageways between the end of said operating cylinder and adjacent end of said transfer conduit, so that liquid displaced in said operating cylinder by said piston must first open one of said valves before it can enter said transfer conduit, a piston rod which projects through one end of said operating cylinder and which serves to connect said operating piston to an anchorage or to a member whose movements are to be damped, and resilient means for compensating for the differential action of said operating piston and for the effect of temperature changes of the liquid by maintaining the liquid under pressure, said resilient means comprising a spring-pressed accumulator piston slidable in a liquid-containing cylinder which communicates at one end with said transfer conduit between said passageways and said flow-resisting valves in said headers, said operating piston being tubular and being slidably mounted upon said liquid-containing cylinder.

2,412,278
ARTICLE FEEDING APPARATUS
Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1943, Serial No. 495,909
7 Claims. (Cl. 219—4)



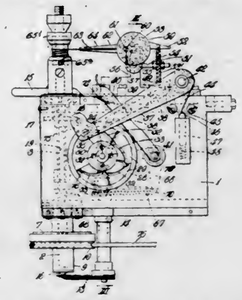
1. A feeding apparatus for a processing machine having a driving motor and an indexable table comprising a torque motor drive for said table, escapement mechanism for rendering said torque motor drive ineffective, and means driven by the processing machine motor for controlling said escapement mechanism, said escapement mechanism including a pair of alternately energizable solenoid operated pawls operable in timed relation to the processing machine.

2,412,279
VARIABLE GAIN AMPLIFIER
David J. Miller, Jr., Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 28, 1944, Serial No. 542,460
10 Claims. (Cl. 178—7.1)



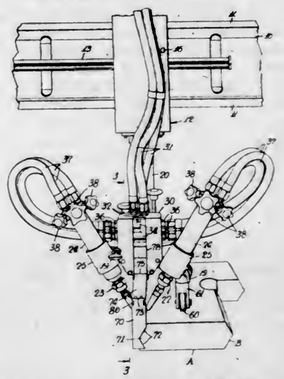
1. In a television system, a video signal amplifier, means responsive to a control signal for varying the gain of said amplifier, manually-operable means for varying the gain of said amplifier from a normal value to substantially zero or vice versa, whereby the video signal may be faded out or in, and means operable conjointly with said last-named means for preventing the control signal from deleteriously affecting the amplifier during the fading operation.

2,412,280
ELECTRICAL COIL-WINDING MACHINE
John William Miller, London N. W. 9, England, assignor to Goodmans Industries Limited, Wembley, Middlesex, England, a British company
Application March 3, 1943, Serial No. 477,883
In Great Britain July 16, 1942
19 Claims. (Cl. 242—9)



1. In a coil winding machine the combination of a rotatably mounted former on which wire is adapted to be coiled, means for rotating said former, a guide for guiding wire onto said former, said guide being mounted for oscillation about an axis transverse to the axis of the former, so that the guide, during oscillation, will move in a direction generally longitudinally of the former, and means for oscillating said guide relative to the former until the required number of turns has been wound onto the former, the initial position of the guide to the former and the rate of oscillation thereof relative to the rotative speed of the former being such that the guide maintains a substantially constant angle of lag relative to turns of wire wound onto the former until the required number of turns has been wound thereon.

2,412,281
TORCH BEVELING APPARATUS
Chester Mott, Evanston, and Glenn V. Wallace, Jr., Chicago, Ill., assignors to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1943, Serial No. 480,634
10 Claims. (Cl. 266—23)



1. In a beveling machine of the type having a cutting torch arranged to cut a workpiece, the combination of a pilot member adapted to ride

over the surface of said workpiece during beveling operations and to support said torch while said pilot member is resting on said surface, whereby the elevational movements of said pilot member caused by undulations in said surface are transmitted to said torch, a rotatable member for adjusting the elevation of said torch with respect to said pilot member while said pilot member is resting on said surface, rotatable means operable when said pilot member is off said surface for supporting said torch independently of said pilot member and at a predetermined elevation and for adjusting said last-mentioned elevation.

2,412,282

TREATMENT OF HYDROPHILIC MATERIAL AND PRODUCT

Richard C. Nelson, Clearwater Beach, Fla., assignor to Essential Oil Producers, Inc., Dunedin, Fla., a corporation of Florida

No Drawing. Application March 21, 1944, Serial No. 527,506
14 Claims. (Cl. 252—363.5)

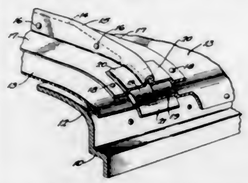
12. As an article of manufacture, a hydrophilic gummous substance in finely divided form with the particles thereof having a coating comprising a member of the group consisting of higher fatty acids with a carbon atom content of 12 to 18 and the amides and alcohols corresponding thereto, said coated substance being readily soluble in water.

2,412,283

CAR ROOF STRUCTURE

Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois

Application March 5, 1945, Serial No. 581,027
5 Claims. (Cl. 108—5.4)



1. A car roof structure comprising spaced side plates, a plurality of adjoining roof sheets spanning the side plates, the edge portions of the roof sheets being formed to fit snugly over the side plates and being offset outwardly from the side plates adjacent the joints between adjacent sheets, and yielding sealing material between the side plates and said offset portions of the sheets to seal the joints between the sheets at the eaves portion of the roof.

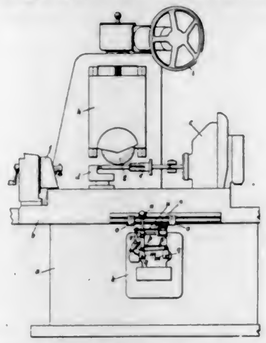
2,412,284

CONTROLLING MEANS FOR FLUID OPERATED MACHINE TOOLS

Arthur Hitchcock Orcutt, Shirley, near Birmingham, England, assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England

Application December 26, 1945, Serial No. 637,252
In Great Britain December 29, 1944
3 Claims. (Cl. 51—233)

1. In a variable speed fluid operated machine tool having a reciprocatory slide carrying dogs for actuating a tappet associated with a controlling valve, and having also manually operable speed regulating means, the combination of a movable tappet, and a connection between the



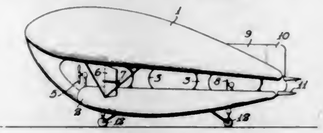
tappet and the speed regulating means whereby on moving the said means to the fast or slow position an appropriate change is made in the position of the tappet.

2,412,285

AIRCRAFT TRANSPORT PLANE

Garrette W. Peck, Pensacola, Fla., assignor to Howard W. Taylor, Richmond, Va.

Application October 29, 1942, Serial No. 463,829
6 Claims. (Cl. 244—5)



1. A heavier than air aircraft consisting of an airfoil wing comprising upper and lower airfoil sections spaced apart to provide an intervening air passageway in the airfoil wing open at the front, back, and sides, the top surface of the upper airfoil section and the bottom surface of the low airfoil section being convexly curved throughout from front to rear and constituting the upper and lower surfaces of said airfoil wing, the trailing edges of the airfoil sections being substantially vertically spaced at the rear end of the air passageway, the chord and span of the upper airfoil section being greater than the chord and span of the lower airfoil section, whereby the upper airfoil section projects laterally beyond the lower airfoil section, struts connecting the upper and lower airfoil sections and spaced longitudinally and laterally of the airfoil wing, and propellers located wholly beneath the laterally projecting portions of the upper airfoil section.

2,412,286

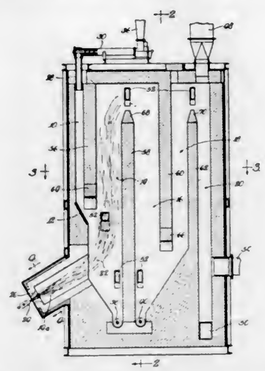
STATIONARY FLASH CALCINING FURNACE

Hans V. Pedersen, Marshalltown, Iowa

Application January 20, 1944, Serial No. 519,009
7 Claims. (Cl. 263—29)

1. In a calcining furnace, a vertical combustion chamber, means for projecting a flame angularly upward therethrough from the side and adjacent the bottom thereof, a splash-spreader plate at one side of said combustion chamber, a gravity chamber above said splash-spreader plate

comprising a vertical passageway, a partition between said combustion chamber and said gravity chamber terminating at its lower end in spaced relation with said splash-spreader plate, means at the top of said gravity chamber to seal the same and feed calcium carbonate downwardly to said gravity chamber, said splash-spreader plate, due to the velocity imparted to said calcium car-



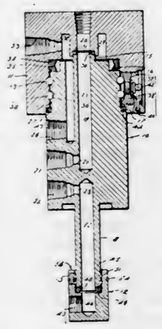
bonate by gravity, causing it to spread in a fan shape across the flame in said combustion chamber, means at the bottom of said combustion chamber for sealing said bottom and for removing quick lime which results from the combustion of said calcium carbonate from said furnace, and means for disposing of carbon dioxide resulting from combustion of said calcium carbonate from the top of said combustion chamber.

2,412,287

HUB FOR HOSE REELS AND THE LIKE

Dwight M. Phillips, Fullerton, Calif., assignor to Chiksan Tool Company, Brea, Calif., a corporation of California

Application June 30, 1943, Serial No. 492,831
13 Claims. (Cl. 285—97.3)



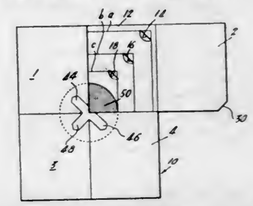
1. A hub assembly including an elongate intermediate section, two end sections, and means for connecting the intermediate section with the end sections for free rotation, the intermediate section having separate passages therein each including a lateral portion leading from its periphery and a longitudinal portion extending from the lateral portion to one of the end sections, the end sections having openings communicating with the longitudinal portions of the passages.

2,412,288

APPARATUS FOR MAKING MONTAGE PRINTS

Carl Pollak, Forest Hills, N. Y.

Application August 6, 1945, Serial No. 609,170
13 Claims. (Cl. 88—24)



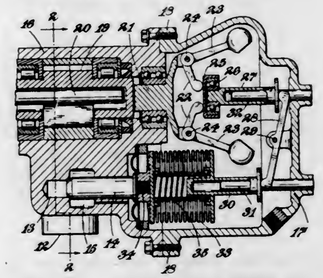
1. A device of the character described comprising a base member, a plurality of wing members secured to the marginal edges of said base for movement over and against said base and away therefrom, each of said wing members covering a separate area of the base when disposed thereover, and lock means covering a portion of the base adjacent the inner corners of the wing members to engage and hold certain of said wing members over and covering certain areas of said base while permitting others thereof to be moved away from and uncovering certain other areas of said base.

2,412,289

PUMP HAVING BYPASS WITH SPEED-SENSITIVE AND PRESSURE-RESPONSIVE CONTROL

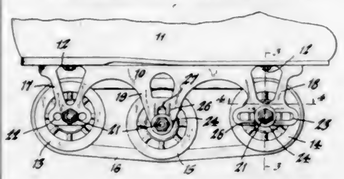
Cyril Alphonso Pugh and Douglas Gerhard Booth, Ilford, England, assignors to The Plessey Company Limited, Ilford, Essex, England, a British company

Application May 16, 1942, Serial No. 443,186
In Great Britain April 7, 1941
2 Claims. (Cl. 103—12)



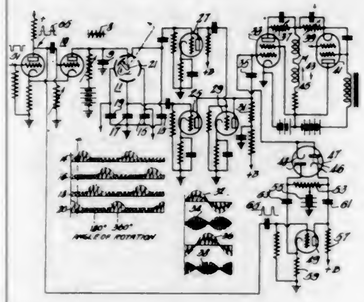
1. A fluid-supply and control system comprising in combination a pump driven by an engine or other fuel-consuming means, which pump delivers fluid at excess flow and has a by-pass between the inlet and outlet, valve means controlling said by-pass, a speed-sensitive device driven in company with the pump, and pressure-responsive means which varies automatically in effective length and constitutes an operative connection between the speed-sensitive device and said valve means to vary the effective length of that operative connection, whereby the force with which the speed-sensitive device acts upon the valve is varied by changes in pressure to which the pressure-responsive means is subjected, said pressure-responsive means including a collapsible device resiliently controlled to provide a loading for the valve.

2,412,290
ROLLER SKATE
Otto G. Rieske, Buffalo, N. Y.
Application August 21, 1943, Serial No. 499,438
1 Claim. (Cl. 280—11.10)



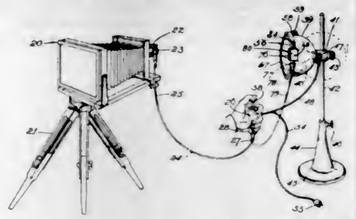
A skate of the character described, comprising a frame adapted for attachment to a shoe, longitudinally-alined, grooved rollers applied to the toe and heel ends of said frame, an endless belt engaging the grooved rollers, said belt and roller-grooves being substantially frusto-conical in cross section with the tread portion of the belt projecting beyond the periphery of the rollers, and the lower stretch of said belt constituting a ground-engaging track over which the rollers travel during the skating operation, the side walls of the roller-grooves adjacent the bottoms thereof having circumferential grooves therein into which the inner portion of the belt is adapted to extend.

2,412,291
ELECTRON DISCHARGE DEVICE
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,185
8 Claims. (Cl. 315—24)



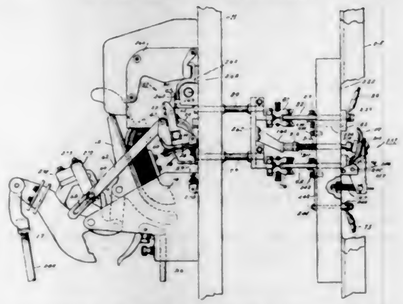
1. A deflection system for cathode ray tubes including a deflection voltage generator and a plurality of variable voltage dividers connected across the output circuit of said generator, a shaft for driving said voltage dividers, said voltage dividers being so constructed and arranged that the proportions of the output voltage of said generator appearing across the output terminals of said voltage dividers are uniquely related to the angular position of said shaft, means for amplifying said latter voltages including networks which discriminate against the low frequency and direct current components of said voltages, and means for compensating said discrimination including rectifiers arranged to derive unidirectional voltages proportional to the average components of said disproportionately amplified voltages and to add said unidirectional voltages to the respective distorted voltages from which they are derived.

2,412,292
PHOTOGRAPHIC CONTROL MEANS
Wendel M. Schneider, Chicago, Ill.
Application April 13, 1943, Serial No. 482,912
13 Claims. (Cl. 240—2)



5. In combination with a floodlight reflector, having lighting means therein, of shutters over the open side of the reflector, means to open said shutters, and means including a timer to automatically close the shutters instantaneously or after any desired time interval.

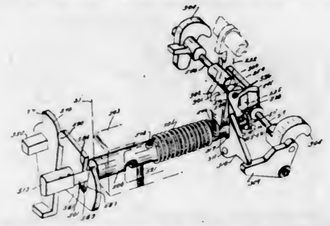
2,412,293
FIELD SWITCH
Walter Haines Schymik, Oreland, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 2, 1942, Serial No. 445,429
4 Claims. (Cl. 175—298)



1. A circuit breaker, a panel for carrying the same, a cell for said circuit breaker, said cell having a wall; said panel being movable toward and away from said wall; said wall carrying a switching member; means on said panel engageable with said switching member to open the same when the panel is in one position with respect to said wall and disengageable from said member to close the same when said panel is in another position; a switching member on said panel in parallel with said switching member on said wall; said switching member on said panel being closed when said circuit breaker is open; and disconnect contacts between said two switching members establishing the parallel connection therebetween.

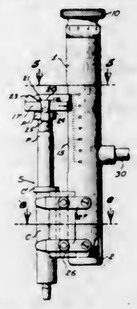
2,412,294
CIRCUIT BREAKER LOCKING DEVICE
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 14, 1942, Serial No. 438,871
16 Claims. (Cl. 200—109)

1. In a circuit interrupter having a movable contact structure engageable with a complementary contact; means biasing said movable contact structure to open position; operating means for moving said movable contact structure into engagement with said complementary contact; means for retaining said movable contact structure in engagement with said complementary contact; a releasing means having a first and a second position, operable to release



said last mentioned retaining means when operated in response to predetermined circuit conditions when in its first position with respect to said retaining means, and ineffective when operated in response to predetermined circuit conditions to release said retaining means when in its second position with respect to said retaining means; and means for moving said releasing means between said first and second position.

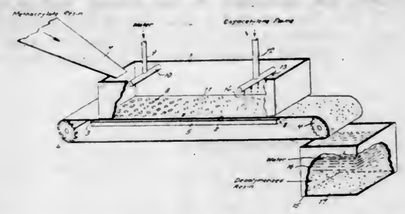
2,412,295
MICROBURET
Philip A. Shaffer, Jr., Pasadena, Calif., assignor to California Institute Research Foundation, Pasadena, Calif., a corporation of California
Application August 7, 1944, Serial No. 548,323
7 Claims. (Cl. 222—26)



1. A microburet comprising: a syringe including a cylinder and a plunger movable therein and provided with a head at its outer end; a tubular member having a slot in its side wall; a syringe cylinder mounting means on said tubular member below said slot for positioning said syringe cylinder in offset parallel relation to said tubular member; a micrometer screw journaled within said tubular member; a traveler member threaded on said screw within said tubular member; and a syringe plunger engaging bracket disposed externally of said tubular member and attached to said traveler member through said slot.

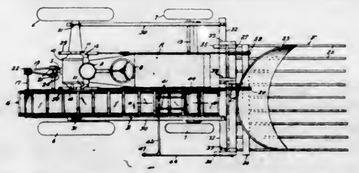
2,412,296
METHOD OF AND APPARATUS FOR DEPOLYMERIZING ACRYLATE RESINS
Carl L. Shapiro, Beaver Falls, Pa.
Application April 3, 1944, Serial No. 529,390
7 Claims. (Cl. 260—486)

1. A method of depolymerizing acrylate resins which comprises wetting said resin with an aqueous liquid, subjecting the same to the action of a direct flame of relatively high temperature above 400° C. for a short time to decompose said



resin to a liquid, and rapidly removing said product from the zone of reaction to prevent volatilization of said product.

2,412,297
LOADING MACHINE
William C. Shirk, Sioux Falls, Julius A. Jacobson and Raymond C. Jacobson, Brandon, and Charles H. Shirk, Sioux Falls, S. Dak.
Application September 14, 1945, Serial No. 616,346
5 Claims. (Cl. 214—91)

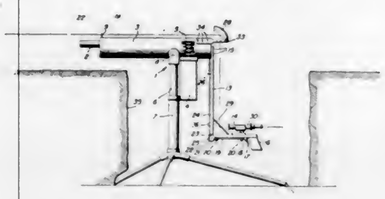


1. In a material loading machine, the combination of a tractor having a rear power take-off shaft, an elevating conveyor mounted upon the tractor longitudinally of and at one side of the latter so as to receive the material at the front of the tractor and discharge it at the rear of the latter, driving means between said power take-off shaft and said conveyor, a material lifting fork pivotally mounted in front of the tractor and the conveyor and movable to raised dumping position and lowered gathering position about a horizontal axis extending transversely of the tractor, power operated means for raising said lifting fork to dumping position, a chute carried by said fork and arranged to deliver the material by gravity directly onto the forward end of the conveyor when the fork is raised to dumping position, a vertically yieldable supporting frame for the fork pivotally mounted at its rear end upon the rear of the tractor, said supporting frame having ground engaging runners and vertical posts at its forward end, and vertical members rigid with and rising from the rear of the fork and pivoted to the upper ends of said posts, certain of said vertical members projecting above the pivots thereof, the power operated means for swinging the fork including flexible actuating elements connected to the upper ends of said certain vertical members.

2,412,298
SIGHTING MEANS FOR MACHINE GUNS
Victor Siazik, Detroit, Mich.
Application October 17, 1944, Serial No. 559,023
1 Claim. (Cl. 88—85)

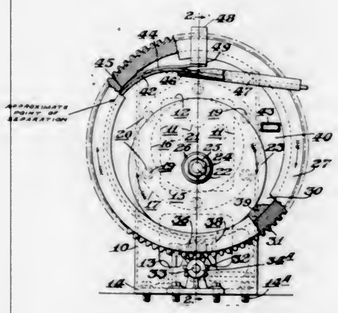
In a gun including a barrel, a front sight on said barrel, and means for supporting the barrel in elevated position, a right-angled bracket de-

pending from the breech end of the gun and including a vertical arm and a lower end horizontal arm, a pair of upper and lower image reflecting members one mounted on the breech end of the gun in the line of sight and the other mounted on said bracket at the lower end thereof and in the angle formed by said arms, the upper member



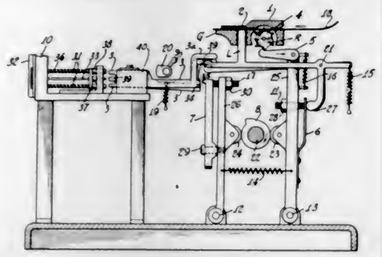
being inclined relative to the line of sight and facing forwardly of the barrel to reflect the image of a target downwardly, and the lower member being similarly inclined in the line of reflection from the upper member and facing rearwardly of said barrel to reflect the image rearwardly, and a telescope mounted on said lower arm for viewing the image reflected in said lower member.

2,412,299
MOLDING PRESS
Howard Snow, Charlotte, N. C., assignor to Southern Friction Materials Company, a corporation of North Carolina
Application November 21, 1942, Serial No. 466,501
7 Claims. (Cl. 18—9)



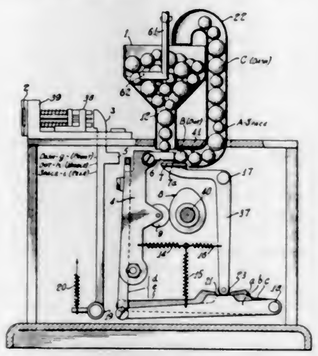
3. In a press of the character described, a rigidly supported hub member, an outer ring member revolvably mounted concentrically on said hub member, said ring member having an internal annular channel, a rotor mounted freely on said hub member for rotation eccentrically with respect to said ring member, said rotor being cylindrical and of lesser diameter than said ring member channel and with its peripheral portion traveling in its rotation within said channel but spaced circumferentially from the channel bottom, power means for revolving said outer ring member, and means for feeding a proportionately measured quantity of moldable material continuously into the press in an upper space between the rotor and ring member channel whereby to enter the convergent space below.

2,412,300
TELEGRAPH TAPE REPERFORATOR
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 22, 1942, Serial No. 451,878
8 Claims. (Cl. 164—114)



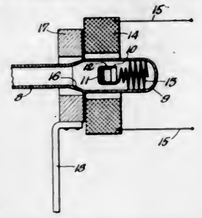
1. A telegraph tape reperforator comprising a plurality of tape-perforation seeker members arranged in alignment with rows of code perforations in a master tape to be fed past a sensing position, mechanism actuated by a single rotary cam for causing said seeker members to perform a sensing operation, a tape perforator having punches corresponding to said seeker members, punch selectors individual to said punches, at least two of said selectors being selectable by said mechanism in accordance with said code perforations, and a bail reciprocally operable by said cam upon each revolution thereof to communicate power through selected ones of said selectors to their respective punches, thereby to reperforate new tape in accordance with said master tape.

2,412,301
RANDOM CODE TAPE PERFORATOR
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 23, 1942, Serial No. 452,030
10 Claims. (Cl. 164—114)



1. A cryptographic tape perforator comprising a punch-and-die assembly having code character punches and feed-hole punches, selective means for actuating said punches singly and in predetermined combinations, mechanism operable in continuous cycles for applying power to selected ones of said punches, and selective means cyclically operable for causing said punches to be selected in a random and unpredictable manner.

2,412,302
GETTER
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 3, 1941, Serial No. 421,403
4 Claims. (Cl. 250—27.5)



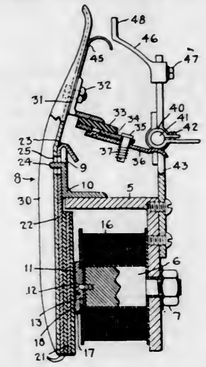
1. The method of introducing a vaporizable material into a discharge device comprising an envelope of a conducting material, a glass envelope sealed to said envelope projecting exteriorly of said envelope and enclosing a space communicating with the interior of said envelope, and a vaporizable material contained within said space adjacent the seal between said glass and conducting envelopes, said method comprising subjecting said vaporizable material to a varying magnetic field to produce induction heating thereof, and surrounding said seal with a body of a good conductive material to prevent undesired heating of said seal.

2,412,303
FIRE RETARDANT LINOLEUM TYPE COVERINGS
Donald H. Spitzli, Summit, and Ralph W. Charlton, Montclair, N. J., assignors to Congoleum-Nairn Inc., a corporation of New York
No Drawing. Application January 8, 1945, Serial No. 571,967
7 Claims. (Cl. 106—18)

1. A smooth surface covering of the linoleum type comprising a decorative and wear-resistant surface layer of fire-retardant composition which is molded to a thickness of at least about one-fortieth inch and which consists essentially of a binder constituting from about 20% to about 35% by weight of said fire-retardant composition and uniformly commingled with said binder finely-divided solid water-insoluble substantially non-inflammable filler material constituting from about 65% to about 80% by weight of said fire-retardant composition, the binder component of said fire-retardant composition comprising from about 40% to about 60% by weight of oxidized and gelled siccative oil mechanically worked at elevated temperature with from about 40% to about 60% by weight of chlorinated paraffin having a chlorine content from about 40% to about 80% to form a tough plastic cementitious material, and said filler component comprising alkaline earth metal carbonate constituting at least about 50% by weight of the weight of chlorinated paraffin in said composition, asbestiform mineral fiber constituting at least 10% by weight of said composition, and antimony trioxide constituting at least 20% by weight of said composition.

2,412,304
ELECTROMAGNET
Marcellus Staley, Patchogue, N. Y.
Application August 11, 1944, Serial No. 549,042
6 Claims. (Cl. 175—336)

1. An electromagnet comprising a stationary magnetic section embodying a core and a winding therefor, a thin disc non-magnetically secured to the top of said core, a sheet of non-magnetic material interposed between said disc and the body portion of said core, an upwardly extending lip formed at or near the edge of the horizontal leg of said stationary magnetic section, a movable magnetic section, a hook portion formed on said movable magnetic section, said hook portion extending over and suspended from said upwardly extending lip to permit free pivotal movement of said movable magnetic section in relation to said stationary magnetic section and permit of said movable magnetic section being lifted from said



stationary magnetic section, means for preventing lateral movement of said movable magnetic section in relation to said stationary magnetic section, and means for gradually absorbing momentum of said movable magnetic section when the electromagnet is open circuited and said movable magnetic section is moving away from said stationary magnetic section, said means comprising a flexible spring carried by said movable magnetic section, and a radial shoe carried by said stationary magnetic section, said spring engaging said shoe when said movable magnetic section is moving away from said stationary magnetic section.

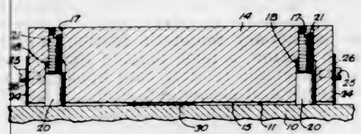
2,412,305
FOOD PRODUCT
William Ernest Stokes, Garden City, and Margaret H. Kennedy, Bronx, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application July 20, 1943, Serial No. 495,496
8 Claims. (Cl. 99—130)

1. A gelatin product containing fumaric acid as an acid ingredient.

2,412,306
LAPPING APPARATUS
Reinhold Stoll, Elgin, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1944, Serial No. 551,188
11 Claims. (Cl. 51—119)

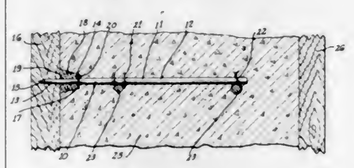
6. A lapping apparatus comprising a stationary lapping member having a lapping surface, a movable lapping member movable on said lapping surface of said stationary lapping member during a lapping operation, and a plurality of adjustable supports capable of being worn away during the lapping operation associated with the movable lapping member and engaging the lap-

ping surface of the stationary lapping member for providing a predetermined varying spacing



between said members as said supports are worn away.

2,412,307
REINFORCING SPACER
Richard Tatsch, Laguna Beach, Calif.
Application January 8, 1945, Serial No. 571,930
8 Claims. (Cl. 72—122)



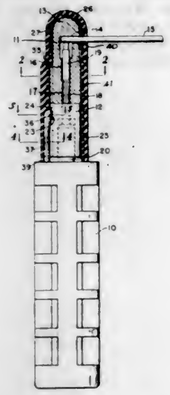
3. In a spacer for supporting a member spaced from a form during the placing of concrete thereabout, the combination of: a rod having a weakened break-back portion adapted for fracture within the hardened concrete whereby a portion of said rod may be withdrawn therefrom; a sleeve mounted on said rod and adapted for removal from the hardened concrete; and retaining means associated with said rod and spaced from the inner end of said sleeve and adapted for preventing movement of the member relative to said rod.

2,412,308
PRODUCTION OF VINYL CHLORIDE
Joseph Farrell Weiler, Lewiston, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application May 30, 1944, Serial No. 538,088
5 Claims. (Cl. 260—656)

5. The process of producing vinyl chloride which includes reacting acetylene with hydrogen chloride in the presence of the products of pyrolysis of ethylene dichloride.

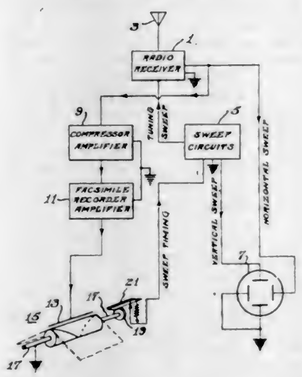
2,412,309
INSULATED ELECTRODE HOLDER
Martin Wells, Los Angeles, Calif.
Application July 12, 1944, Serial No. 544,549
11 Claims. (Cl. 219—8)

1. In an insulating means for an electrode holder having a metal body having a rod opening leading in from a face thereof to meet an internal opening in said body, said body having a locking shoulder thereon, means in said internal opening to grip a rod in said rod opening, a handle for supporting said body, and means for connecting an electric conductor to said body, the combination of: a tubular insulator having an opening to receive said body and being slidable onto said body, and having therein a resilient finger to engage said locking shoulder so as to prevent removal of said insulator from said body, said insulator having a small opening



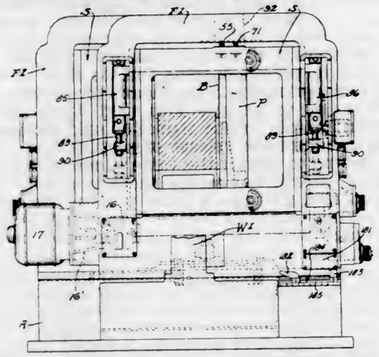
leading in from its end, one wall of said small opening being formed by said finger.

2,412,310
SIGNAL RECORDING SYSTEM
Charles J. Young, Ardmore, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1942, Serial No. 453,121
4 Claims. (Cl. 250—20)



1. A signal recording system comprising a radio receiver including voltage responsive tuning means, a cathode ray tube provided with deflection circuits and a fluorescent screen, and a facsimile recorder, a sweep voltage generator controlled by said facsimile recorder to operate synchronously with the scanning thereof, connections from said sweep voltage generator to one deflection circuit of said cathode ray tube and to said voltage responsive tuning means in said radio receiver, whereby the frequency of response of said receiver is cyclically varied over a predetermined range synchronously with the scanning of said facsimile recorder and the sweep of the beam of said cathode ray tube, and means for applying the output of said receiver to a second deflection circuit of said cathode ray tube and to the printer bar of said facsimile recorder.

2,412,311
METAL SAWING MACHINE
Adam Ziska, Wauwatosa, Wis., assignor to Peerless Machine Company, Racine, Wis., a corporation of Wisconsin
Application August 6, 1943, Serial No. 497,568
23 Claims. (Cl. 29—73)



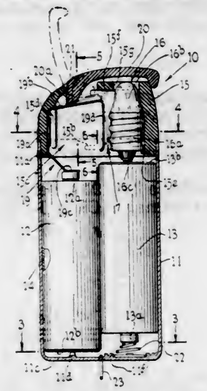
1. A metal sawing machine comprising a hollow base, a feed frame having hollow vertical side members and upper and lower cross members connecting said side members, interfitting guiding ways between the lower cross member and the base to constrain the feed frame to horizontal reciprocatory movement, a fluid pressure motor within the confines of the hollow base and interconnected with the base and the lower cross member for reciprocating the feed frame, a saw frame interfitted with guiding ways on the vertical side members and constrained to vertical reciprocatory movement, and fluid pressure motors housed in the hollow vertical side members and interconnecting the side members and the saw frame for reciprocating the saw frame.

2,412,312
CELLULOSE ACETATE DYED WITH MONOAZO DYES
Christopher Stanley Argyle, Spondon, near Derby, England, assignor to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application November 20, 1942, Serial No. 466,325. In Great Britain December 5, 1941
2 Claims. (Cl. 8—50)

1. Cellulose acetate materials colored with a 4-chlor-2-nitro-4'-alkoxy-azobenzene free from salt-forming groups.

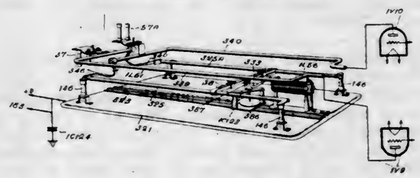
2,412,313
POCKET FLASHLIGHT
Robert B. Battersby, Noroton Heights, and James C. Prior, Stamford, Conn., assignors to Sidney Schwartz, New York, N. Y.
Application May 7, 1945, Serial No. 592,370
5 Claims. (Cl. 240—10.65)

3. In a portable flashlight of the character described, a head portion adapted to be detachably mounted on a casing housing electric battery cells comprising a molded insulating structure having an elongated cavity extending in from an open side thereof, a one-piece metallic switch blade, mounted in said cavity, an interior wall at one end of said cavity having integrally formed spaced ledges to provide a slideway constructed and arranged to anchor said metallic switch blade therein, an incandescent lamp having a bulb and base ferrule, mounted in said cavity and spaced from said slideway, the interior wall at the other end of said cavity having integrally formed spaced lugs and a partition with an opening of less diameter than said lamp base



constructed and arranged to mount said incandescent lamp with the bulb thereof extending into said opening and with said lamp base and ferrule retained by said lugs whereby the lamp base is positioned for being contacted on flexing said blade.

2,412,314
HIGH-FREQUENCY APPARATUS
Thomas James Boerner, Collingswood, and John W. Sanborn, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 17, 1943, Serial No. 491,164
11 Claims. (Cl. 250—16)



3. In a high frequency system, a pair of vacuum tubes each having an anode, a pair of linear conductors connected to said anodes, said anodes and linear conductors being supported in relatively fixed position, a second pair of linear conductors arranged parallel to said first pair, flexible connections between said conductors, said second pair of linear conductors being insulatingly supported upon a substantially rectangular metallic plate, a short-circuiting bar movable along and electrically connected to said pair of insulatingly supported conductors, a condenser connecting said short-circuiting bar to said metallic plate, a radio frequency choke coil connecting said metallic bar to said plate, a source of direct current voltage connected to said plate whereby direct current voltage is fed from said source to said plate and through said choke coil, short-circuiting bar, linear conductors, and the flexible connections therefor to said anodes, and a by-passing condenser connected between said metallic plate and ground for maintaining said plate at substantially ground radio frequency potential.

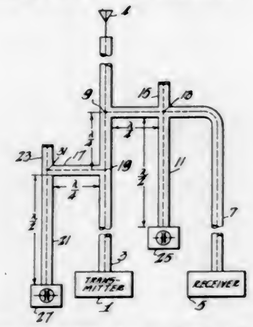
4. Apparatus as claimed in claim 3, characterized by the provision of mechanical apparatus driven by a reversible electrical motor for moving said plate and the conductors insulatingly supported thereon closer to and further away from said conductors which are relatively fixed in position, whereby the inductance of the circuit connected between said anodes may be varied.

2,412,315

RADIO TRANSMITTER-RECEIVER AUTOMATIC SWITCHING SYSTEM

George H. Brown, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 23, 1943, Serial No. 491,963
3 Claims. (Cl. 250—13)



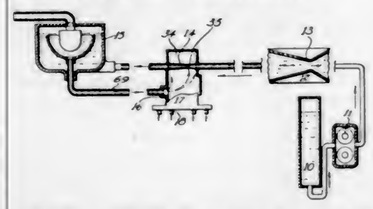
1. A radio frequency switching system including a first transmission line for connection between a transmitter and an antenna system, a second transmission line connected to a point intermediate the ends of said first transmission line for connection to a receiver, a third transmission line ¼ wave length long connected to said first transmission line at a point ¼ wave length distant from the point of connection of said second transmission line thereto, a fourth transmission line ½ wave length long connected to the end of said third transmission line, a fifth transmission line ½ wave length long connected to said second transmission line at a point ¼ wave length distant from the point of connection between said first and second lines, and gaseous discharge tubes connected to the ends of said fourth and fifth transmission lines.

2,412,316

FUEL INJECTION SYSTEM

John F. Campbell, Detroit, Mich., assignor to George M. Holley and Earl Holley

Application January 16, 1942, Serial No. 426,977
4 Claims. (Cl. 103—37)



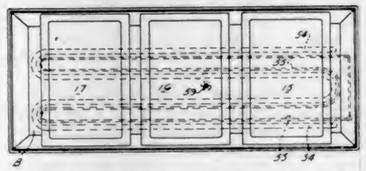
1. In a fuel injection system for an internal combustion engine, a supply of fuel under pressure, a vapor separator, a vapor separating tank, a pump chamber, a fuel entrance communicating with said fuel supply and leading to said vapor separator and communicating with said separating tank, a fuel outlet from said separator forming the entrance to said pump chamber, means for maintaining a lower pressure in the separating tank than in the fuel entrance to the pump chamber, a plunger, means for reciprocating said plunger, a valve seat integral with said plunger, a hollow cylindrical valve in alignment with said seat of smaller diameter than said plunger and adapted to permit surplus fuel to flow through it to said separating tank, means for moving said valve so as to engage with said valve seat at different points in the stroke of said plunger so as to interrupt the release of surplus fuel, yieldable means to permit the valve to move with said plunger after it has seated thereon, a relief passage in said plunger, a relief port in the side of said plunger, an inlet port to the cylinder adapted to engage with the relief port in said plunger towards the end of the pressure stroke of the pump, and also adapted to be uncovered by the end of the plunger when it is near the end of its suction stroke, an outlet port from the cylinder, a check valve therein, whereby the plunger on its down stroke first uncovers the inlet ports and thereby permits fuel to flow through the cylinder and past the valve to the separating tank under the pressure difference between the separating tank and the fuel entrance and whereby after this port is covered by the plunger on its in stroke, fuel is then forced past the valve to the separating tank and whereby after the plunger engages with the hollow valve fuel is trapped and thereby ejected through the outlet port past the check valve and this discharge continues until the relief port of the plunger engages with the inlet port of the cylinder when the discharge of fuel is abruptly terminated.

2,412,317

LITHOGRAPHIC PLATEMAKING APPARATUS

James T. Campbell, Detroit, Mich.

Original application December 31, 1942, Serial No. 470,871, now Patent No. 2,390,497, dated December 11, 1945. Divided and this application March 22, 1944, Serial No. 527,594
4 Claims. (Cl. 95—89)



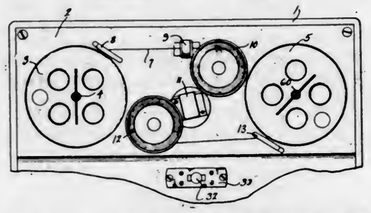
4. Apparatus for processing exposed film for the making of lithographic plates comprising an insulated support, a temperature controlled sink nested within said insulated support, developing and fixing bath trays supported upon and partially immersed within said sink within a fluid therein, a washing tray supported upon and disposed within said sink with its under surface above the level of fluid therein, a fluid source to said washing tray, a removable stand pipe in said wash tray, a drain pipe extending below the bottom thereof, a stand pipe in said sink, into which said wash tray drain may be removably inserted, and a second drain pipe joined to said sink stand pipe and disposed through said sink and said insulated support for conducting fluid from said wash tray independent of the fluid within said sink.

2,412,318

SAFETY DRIVE, BRAKING, AND CONTROL MECHANISM FOR MAGNETIC RECORDING DEVICES

Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation, Chicago, Ill., a corporation of Illinois

Application August 10, 1942, Serial No. 454,216
15 Claims. (Cl. 179—100.2)



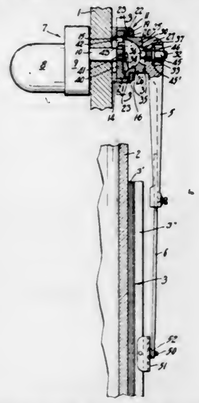
14. In a magnetic recording device, a pair of spaced reels, a recording medium on said reels, means including an electrical circuit embodying an element which must first become heated before operating efficiently for magnetizing said medium, drive means for said reels, a control member to cause actuation of said driving means, means tending to hold said control member at all times in inoperative position, and an electrical holding device responsive to said element when heated for efficient operation to lock said control member in operative position against the action of the second said means.

2,412,319

ARM DRIVING MECHANISM

Leroy J. Carey, Cleveland, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio

Application November 22, 1943, Serial No. 511,266
10 Claims. (Cl. 15—253)



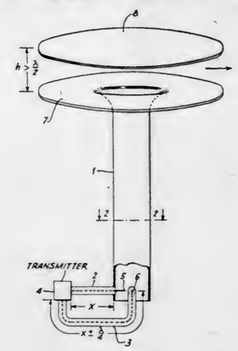
9. In a windshield wiper mechanism a rotary drive shaft adapted to extend at one end through a wall of a body, a hollow support arranged to be secured to such body adjacent said end of the drive shaft and coaxial therewith, an oscillatable wiper drive arm adapted to carry a wiper element at its free end and having a universal driving connection with said shaft in said support, said support and arm having operatively adjacent planar ramp surfaces respectively, oblique to the axis of the hollow support and operative during turning movement of the drive shaft to shift the axis of oscillation of said wiper drive arm through successive angular positions with respect to said support and thereby to cause said wiper to follow a curved surface.

2,412,320

ANTENNA SYSTEM

Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 12, 1941, Serial No. 418,715
12 Claims. (Cl. 250—11)



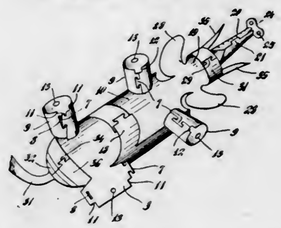
9. An electromagnetic wave radiator comprising a wave guide having at its open end a metallic horn flaring therefrom, and at its other end a pair of exciting elements in the interior of said guide for producing therein a transverse rotating electric field, and a flat circular metallic plate located externally of and facing the flared surface of said horn and spaced therefrom.

2,412,321

ONE PIECE, THIRD DIMENSION, CUTOUT TOY

Helga M. Chu and Hing F. Chu, Larchmont, N. Y.

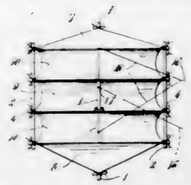
Application March 8, 1945, Serial No. 581,588
1 Claim. (Cl. 46—157)



A toy figure formed from a single blank of sheet material having an elongated body portion and a forwardly tapered head forming front extension, the front extension having side tongues extending into the front extension from opposite side edges thereof, the body having front and rear and intermediate side extensions, there being ear-forming flaps cut from the blank transversely thereof along rear edges of the side tongues of the head, said body portion being bent downwardly from opposite sides to form a hollow body for the figure and its intermediate side extensions brought towards each other and secured to each other to form an arcuate bracing band extending across the under portion of the body, the front

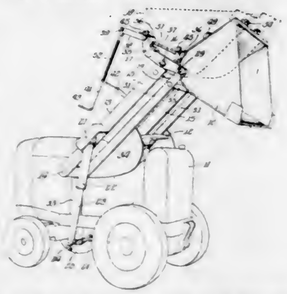
and rear extensions of the body portion extending downwardly from opposite sides of the body and having side portions free along their upper and lower ends and bent inwardly towards each other and secured together to form hollow legs for the body, the front extension of the blank having its side portions bent downwardly and its tongues brought towards each other and connected to form a throat band and the forward portion of the front extension having its downwardly bent side portions brought towards each other and united to form a hollow trunk for the head, said blank being creased transversely between rear portions of the ear flaps to hingedly mount the head for vertical swinging movement, and said ear flaps extending rearwardly in over-lapping relation to sides of the body above the front legs.

2,412,322
TAILLESS KITE
Hing F. Chu and Helga M. Chu, Larchmont, N. Y.
Application May 17, 1945, Serial No. 594,316
6 Claims. (Cl. 244—153)



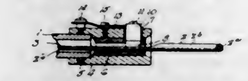
1. In a kite, a frame including a center stick, side sticks, and cross sticks disposed in crossed relation to the center stick and the side sticks, clamps removably holding the cross sticks in engagement with the center stick and the side sticks, each clamp consisting of a wire strand bent to form U-shaped jaws disposed transversely of each other and adapted to straddle and grip the crossed sticks, and a cover for said frame having edge portions formed with seams, and strings in said seams having end portions protruding from ends of the seams and tied about the sticks to removably hold the cover to the sticks.

2,412,323
TRACTOR SHOVEL
Marcus L. Conrad, Mundelein, Ill., assignor to The Frank G. Hough Co., Libertyville, Ill., a corporation of Illinois
Application July 19, 1944, Serial No. 545,640
9 Claims. (Cl. 214—140)



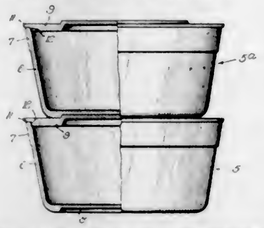
1. In a power-operated tractor-shovel of the type having power-actuated elevating and lowering means, a shovel-support rockingly mounted thereon, a shovel rockingly mounted on said support, said support and shovel being located ahead of the tractor, a releasable lock when active preventing rocking of the shovel on said support and when released allowing the shovel to turn on said support and discharge its load, and means to rock said shovel-support during the elevation thereof, the novel improvement being that the axes of rocking of said shovel-support on said elevating-and-lowering means and of rocking of said shovel on said support are out of register, and that said shovel-support rocking-means turns the support and shovel locked thereto to bring the latter to full-load retaining position before reaching one-half the height of its complete upward travel from its lowermost position, the shovel when unlocked discharging its load out of its forward end at the front of the tractor.

2,412,324
STOP FOR STRAND COVERING MACHINES
Howard L. Crum, St. Louis, Mo.
Application April 21, 1945, Serial No. 589,526
3 Claims. (Cl. 87—19)



1. A stop for a strand covering machine located at the discharge position on the machine, having a guide for the covered strand, a spring pressed dog opposed to the guide and engaging the strand, an electric switch comprising a switch point fixed to the guide and a cooperating switch point secured to and movable with the dog in such a relationship that the two switch points will normally be held apart by the covered strand passing between the guide and the dog but permitted to close in the absence of the strand, and electrical means for stopping the machine controlled by said switch, whereby the machine is stopped automatically after failure of a supply of the strand to the machine.

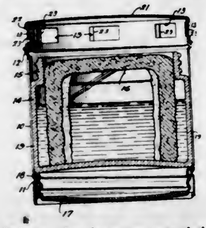
2,412,325
RECEPTACLE AND COVER THEREFOR
James H. Devine and William T. Halvorsen, Chicago, Ill.
Application July 21, 1944, Serial No. 546,014
1 Claim. (Cl. 220—97)



In combination, two similar receptacles, and similar covers therefor, each of said receptacles being provided in the under face of its bottom wall with a concentric recess, each of said covers having an outer thickened portion of a size to fit within the upper end of said body and a peripheral flange of reduced thickness disposed to seat upon the upper end of said body, each of said covers being further provided with a concentric recess in its under face of substantially the same diameter as the recess in the bottom and a projection at its upper face concentric with and of

less height and less diameter than said recess of said cover, said projection of each cover being adapted to fit into the recess of the other cover and into the recess in the bottom wall of either receptacle body, said receptacles and covers being disposed in stacked relation with the cover of the lower receptacle body fitting therein and seating thereon with its projection fitting into the recess in the bottom wall of the upper receptacle.

2,412,326
VAPORIZING DEVICE
Charles F. J. Dupuy, Mahwah, N. J., assignor to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois
Application December 9, 1944, Serial No. 567,379
3 Claims. (Cl. 299—20)



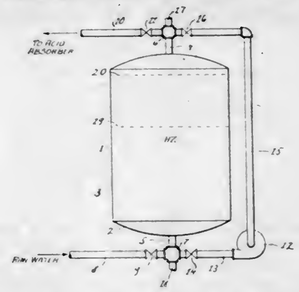
1. A vaporizing device comprising a tubular shell open at its ends and having an inwardly projecting bead adjacent its bottom, a container adapted to hold liquid to be vaporized fitting within the shell, a cap for the container having a bead adapted to rest on the bead in the shell with the major portion of the cap lying below the bead, and a wick in the container adapted to be exposed adjacent the top of the container.

2,412,327
PROTEINOUS PLASTICS
George E. Eilerman, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 22, 1940, Serial No. 325,398
6 Claims. (Cl. 106—147)

3. A composition which is relatively free from swelling or hardening as a result of gain or loss of moisture in the atmosphere, which composition comprises casein and a compatible amide of a sulphonic acid containing a single benzene nucleus and an aliphatic hydroxy amine, the reaction between the sulfonic acid and the amine involving the sulfo group and the nitrogen atom of the two, the hydroxyl of the amine being unreacted in the amide, said amide being present in amount sufficient to plasticize the casein.

2,412,328
METHOD AND APPARATUS FOR TREATING WATER COMPRISING THE STEPS OF PASSING A VARIABLE FLOW OF RELATIVELY ALKALINE WATER UPWARDLY THROUGH A BED OF ORGANIC HYDROGEN-ZEOLITE AND AUGMENTING SAID FLOW BY HYDROGEN-ZEOLITE TREATED WATER
John J. Felsecker, Calumet City, Ill., assignor to Graver Tank & Mfg. Co., Inc., a corporation of Delaware
Application April 13, 1944, Serial No. 530,886
2 Claims. (Cl. 210—24)

1. Method of water treatment comprising the steps of passing a variable flow of a relatively alkaline water into and upwardly through a bed of organic hydrogen zeolite, and augmenting said flow by hydrogen-zeolite treated water recirculated from a point past said zeolite bed, so as to expand said zeolite bed to a substantially uniform level, while reducing the alkalinity of the water passing into said bed.



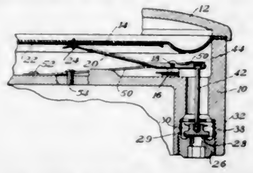
2,412,329
CONVERTIBLE LOUNGE
Martin Fox, Chicago, Ill., assignor to The Seng Company, a corporation of Illinois
Application September 26, 1945, Serial No. 618,715
4 Claims. (Cl. 5—59)

1. A convertible lounge comprising: a bed frame provided with a pair of front legs and a pair of rear legs, one pair of said legs being pivotally mounted on said frame for forward and rearward movement to raise or lower one side of the bed frame; a U-shaped back bar having its ends pivotally connected to the ends of said frame near its center portion; and a pair of links connecting said pivotal legs to said back bar so that the legs will support the bed frame in horizontal position when the bar is swung to its foremost position and will incline said bed frame downwardly and rearwardly when the bar is raised upwardly to a position where it will form a back support for pillows in upright position.

2,412,330
SNAP-ON VALVE
Sjunne W. Glanz and Arthur H. Tidd, Cleveland, Ohio, assignors to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application June 23, 1944, Serial No. 541,793
5 Claims. (Cl. 251—46)

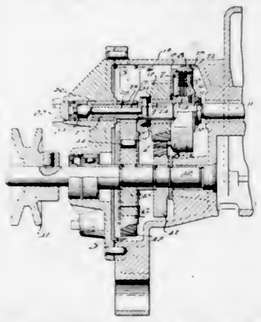
1. In a valve structure, a valve disc adapted to seat on a valve seat, a valve stem for actuating said valve disc, and an operative push-pull connection between said valve stem and said valve disc comprising a hub on the valve disc, a socket therein to receive one end of said valve stem, said valve stem having a peripheral groove adja-

cent said end, a pair of chordal openings through said hub and passing through said socket, and a U-shaped holding clip of spring wire in said chordal openings and in said peripheral groove,



the arms of said holding clip being smaller in diameter than said chordal openings and said chordal openings being so spaced as to permit seating of said arms in said groove under their bias toward each other.

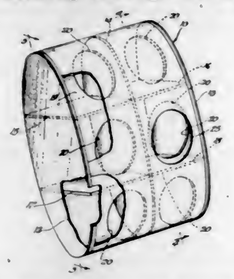
2,412,331
TRANSMISSION
Maurice W. Green, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application March 31, 1945, Serial No. 585,947
7 Claims. (Cl. 74—368)



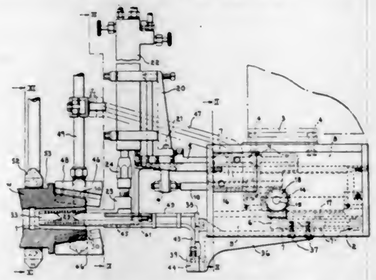
1. In a transmission, a drive shaft, a sleeve mounted to rotate with said drive shaft and having limited freedom of axial sliding movement relative to said shaft, a drive gear mounted to rotate relative to said sleeve, a clutch member secured to rotate with said gear, a second clutch member secured to rotate with said drive shaft, a pinion drive gear mounted for rotation with said sleeve and drive shaft and co-axial therewith and having a central opening therethrough, abutment means between said gears movable in a direction to bring said clutch members into engagement to connect said first mentioned gear for rotation with said drive shaft, a spring normally urging said clutch members out of engagement, an actuating member extending through the central opening in said pinion gear for moving said abutment member in a direction to bring said clutch members into engagement.

2,412,332
CONTAINER
Thorwald Hansen, Duluth, Minn., assignor of one-half to Ole Gisvold, Minneapolis, Minn.
Application July 27, 1945, Serial No. 607,445
10 Claims. (Cl. 206—37)

2. A container comprising, in combination, substantially oval shaped ends and an intermediate partition disposed in substantially parallel relationship to one another with their longitudinal axes in a common plane, said intermediate partition being smaller than said ends by a uniform marginal amount and dividing the space between said ends into two sections, lateral partitioning means substantially perpendicular to said longitudinal axes and to said intermediate partition disposed between the ends of said intermediate partition for dividing at least one of said sections into compartments, said partitioning means having edges flush with opposite edges of the intermediate partition, an inner covering wall circumscribing the edges of the intermediate partition and partitioning means and extending between said ends to cover said sections, said inner covering wall having spaced openings therein providing access to each of the sections and compartments separated by the partitioning means and intermediate partition, and a flexible and endless belt-like cover encompassing and slidable around said inner covering wall, said belt-like cover extending laterally between the ends and having spaced openings therein adapted to align with the openings in the inner covering wall as the endless belt-like cover is moved relative to the inner covering wall.

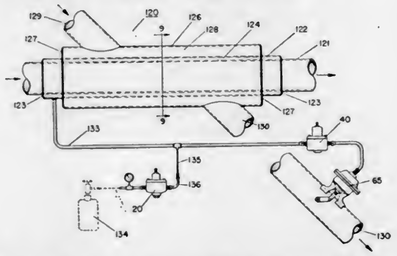


2,412,333
FLAME HARDENING APPARATUS
Albert L. Hartley, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application November 27, 1942, Serial No. 467,119
5 Claims. (Cl. 266—4)



1. In a flame hardening apparatus, a longitudinally extending flame hardening burner projectable into a bore to be flame hardened in a work piece, a quenching coolant nozzle longitudinally arranged for presentation into said bore of said work piece, movable mounting means for said burner, and movable mounting means for said coolant nozzle, and common means for reciprocating said respective mounting means so as to alternately insert said burner or said nozzle into the bore of said work piece, said burner and nozzle being telescopically inter-related so that said coolant nozzle may be inserted into said bore of said work piece while said burner is being removed therefrom, said telescopic association of said burner and nozzle comprising longitudinally extending pasasgeways in said burner serving to provide escape for the burned gases when said burner is in operation in said bore and further serving to permit said coolant nozzle to be injected into the bore of said work piece while said nozzle is being withdrawn therefrom.

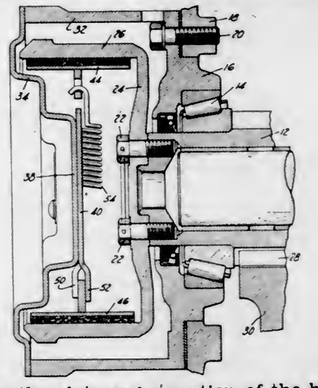
2,412,334
AIRPLANE CABIN HEATING SYSTEM
Anthony F. Hoesel, Chicago, Ill., assignor to Peerless of America Inc., Chicago, Ill., a corporation of Illinois
Application July 10, 1944, Serial No. 544,307
4 Claims. (Cl. 237—2)



2. A hot air heating system utilizing the exhaust gases from an internal combustion engine as a source of heat, comprising; a pipe through which exhaust from the engine flows; a wall surrounding said pipe defining a pressure tight chamber heated by the exhaust in the pipe; a conduit for the air to be heated; a wall defining a heating chamber around the wall of the air tight chamber, communicatively connected to the conduit, and through which a current of air is normally circulated to absorb heat from the air tight chamber prior to its discharge from the conduit, said air tight chamber having no communication with the air in the conduit and the gas in the pipe; means for maintaining a pneumatic pressure in said chamber above the pressure of the exhaust gases passing through the pipe, including a pressure reducing valve and restricted flow-means between the reducing valve and the pressure-tight chamber; valve-means for controlling the delivery of air from said conduit; and pneumatic-means, automatically responsive to a predetermined drop in pressure in said air tight chamber, for controlling the valve-means to cut off the delivery of air from the conduit.

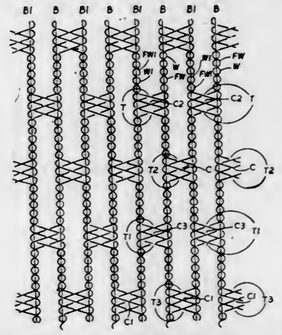
2,412,335
BRAKE
Bryan E. House, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 9, 1944, Serial No. 548,640
7 Claims. (Cl. 188—78)

1. A brake comprising a drum secured to an axle near the end thereof and having a cylindrical braking flange, a housing secured to a fixed part of the vehicle and enclosing the drum, said housing having a portion extending into the space inside the braking flange of the drum, a plate secured to said portion of the housing, brake shoes mounted on said plate, the webs of said shoes being in substantially the same plane as the plate, and a hydraulic cylinder for actuating the shoes straddle mounted between an offset



flange on the plate and a portion of the housing offset in the opposite direction from the part of the housing to which the plate is secured.

2,412,336
MACHINE-MADE NET
Albert E. Hunter, Wollaton, Nottingham, and Sidney F. Topott, Nottingham, England, assignors to Byard Manufacturing Company, Limited, Nottingham, England
Application April 29, 1944, Serial No. 533,310
In Great Britain July 5, 1943
2 Claims. (Cl. 87—4)

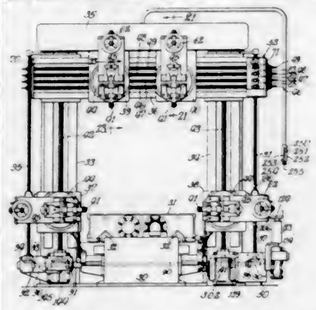


1. A double warp traverse net in which each warp intermediate a predetermined number of sequential pillarings with a bobbin thread alternately crosses and double crosses with an adjacent warp of the same face, the arrangement being such that at that position where the front warps cross the rear warps double cross and at that position where the front warps double cross the rear warps cross.

2,412,337
PLANER
Paul S. Jackson, Rockford, Ill., assignor to Jackson Hydraulic Machine Co., Inc., Rockford, Ill., a corporation of Illinois
Application November 13, 1943, Serial No. 510,092
21 Claims. (Cl. 90—49)

1. In a planer, in combination, a reciprocating table, means for reciprocating said table, a tool support, a reversible tool holder on said support having forward and return cutting positions, and

pressure fluid operated means for feeding said tool support and shifting the tool holder to its return cutting position at the end of the forward table movement, said pressure fluid operated



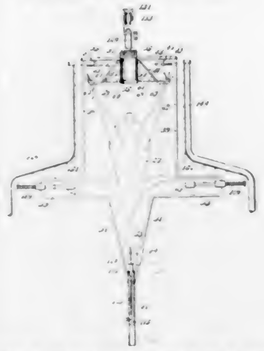
means being operable to feed said tool support and shift said tool holder to its forward cutting position at the end of said table movement in a return direction.

2,412,338

METHOD FOR PLUCKING FOWL

Lenus Jasper, Orland, Calif., assignor to Seth S. Barker, Ottumwa, Iowa

Original application November 13, 1940, Serial No. 365,439. Divided and this application April 17, 1945, Serial No. 588,859
6 Claims. (Cl. 17—45)



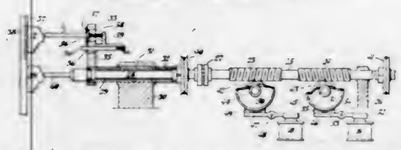
1. A method of defeathering fowls consisting of directing streams of water at high velocity against said fowls.

2,412,339

CONTROL MECHANISM

Sidney Thomas Jeffreys, Rickmansworth, England, assignor to E. H. Jones (Machine Tools), Limited, London, England

Application March 29, 1944, Serial No. 528,573
In Great Britain October 19, 1942
8 Claims. (Cl. 90—13.5)



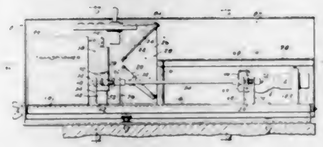
1. A copy milling machine comprising two lead screws adapted for rotary and longitudinal motion and constructed and arranged to each have the same motion as the other simultaneously, two idler worm wheels each of which engages one of the lead screws, a milling tool mounted to respond to the longitudinal movements of the lead screws, braking means for said worm wheels, and a tracer engageable with a pattern and having controlling connection to said braking means.

2,412,340

PROJECTION APPARATUS FOR THE CREATION OF ILLUSORY EFFECTS

Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 8, 1944, Serial No. 553,168
4 Claims. (Cl. 240—1)



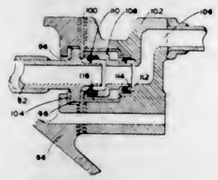
1. In a projection apparatus for producing moving light effects which are representative of tracer bullet flash upon a projection screen, a movable mirror mounted for oscillation about an axis, a light source positioned in front of said mirror, a movable shutter positioned between said light source and mirror and movable from a position out of the path of light issuing from said source and passing to the screen to a position in the path of movement of such light, means operatively connecting said mirror and shutter to synchronize the movements thereof whereby said shutter assumes an inoperative position when said mirror is in the vicinity of either of its extreme positions and assumes an operative position when said mirror is in the vicinity of its medial position, and means for moving said mirror.

2,412,341

MOUNTING FOR COOLANT TUBES

Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application March 27, 1945, Serial No. 585,163
6 Claims. (Cl. 123—176)



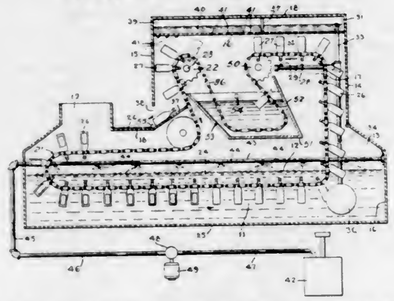
1. In a free-piston unit, an engine cylinder and piston, a compressor cylinder and piston, said pistons being connected to move as a unit, a tube mounted on and extending from one of said pistons, a stationary tube telescoping with said first tube, said tubes providing a connection for the circulation of coolant through the piston, and a supporting structure for said tube having a passage therein, said structure and stationary tube having cooperating means for supporting the tube in such a manner as to provide a limited amount of lateral movement for the tube.

2,412,342

APPARATUS FOR PREVENTING FOAMING

Philipp M. Kallusky, Milwaukee, Wis., assignor of one-half to Clarence E. Kallusky, Wadena, Minn.

Original application December 21, 1942, Serial No. 469,761. Divided and this application October 21, 1943, Serial No. 507,212
4 Claims. (Cl. 252—361)



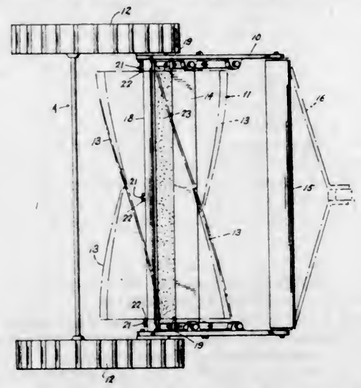
1. In combination with an open-topped tank adapted to hold a body of fluid saponaceous mixture with an exposed normally level surface of substantial area whereon a mass of froth and foam will form from agitation of the mixture, a carbonator wherein carbonic acid gas is caused to be absorbed in water under high pressure to produce carbonated water having excess of such gas over what can be held in solution at atmospheric pressure, said carbonator comprising pressure means for forcing out the carbonated water at high speed, means for conducting such carbonated water from the carbonator to points over considerable areas of said surface and masses of said froth and foam thereon, and means for controlling delivery of said carbonated water effected by the pressure in the carbonator to cause it to be forcibly discharged into said froth and foam over the entire surface of said body of mixture.

2,412,343

LAWN MOWER RE-EDGER

George J. Lauer, Long Beach, Calif.

Application April 21, 1944, Serial No. 532,074
3 Claims. (Cl. 51—250)



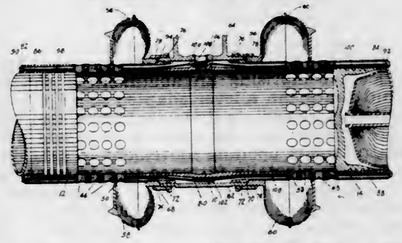
3. A sharpening attachment for a lawn mower having a stationary cutting blade and rotary cutting blades coacting therewith, a bar removably connected to the lower face of the stationary cutting blade, a clamping bar removably secured to the forward face of the first mentioned bar, and a flexible abrasive strip clamped between said bars and extending upwardly and rearwardly over the cutting edge of the stationary blade.

2,412,344

ASSEMBLY OF ENGINE CYLINDERS AND MANIFOLDS

Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application May 11, 1943, Serial No. 486,622
10 Claims. (Cl. 123—193)



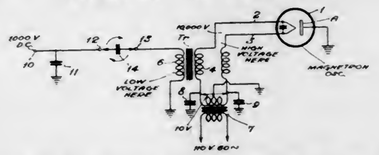
1. A cylinder construction including an inner cylinder element having shoulders at its ends, outer cylinder elements overlying said inner cylinder and having shoulders cooperating with said first shoulders, the inner ends of said elements being adjacent each other, and a turnbuckle in the form of a threaded ring extending across said elements for holding each outer element in predetermined position.

2,412,345

VOLTAGE TRANSFORMER

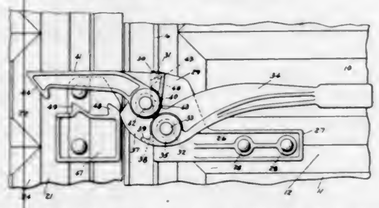
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 3, 1943, Serial No. 474,539
10 Claims. (Cl. 315—105)



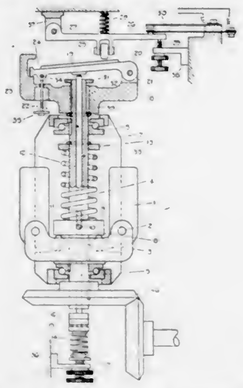
1. A high voltage iron-core step-up or step-down transformer comprising a low resistance primary winding of a plurality of insulated turns arranged in substantially rectangular form, insulating tubes surrounding the turns of said primary on a pair of opposite sides of said rectangular form, a plurality of secondary coils wound on separate iron cores located on each insulating tube, said cores having good magnetic qualities and hollow central portions, insulating washers separating adjacent secondary coils, leads connecting said secondary coils in electrically series relation, a connection from the midpoint of each secondary coil to the iron core which it surrounds for establishing the mean potential of the iron core, said iron cores having relatively small diameters and being closely spaced from the insulating tube which it surrounds, whereby there is obtained a compact assembly having a short length of magnetic path which engenders a minimum of loss.

2,412,346
DOOR OPENING AND CLOSING DEVICE
Thorvald Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application December 7, 1942, Serial No. 468,050
4 Claims. (Cl. 268—44)



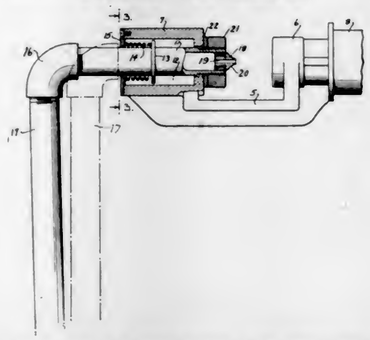
1. An opening and closing device for sliding car doors comprising an abutment, a shoulder on said abutment, a lever adapted to be pivotally mounted intermediate its ends upon a said door, a cam on said lever engageable with said abutment to impart opening movement to said door, a catch arm pivotally fastened to said lever, said catch arm being engageable with said shoulder to impart closing movement to said door, means on said catch arm spaced from the pivot of said catch arm, and means on said door engageable with said catch arm means during opening movement of said door by said lever to automatically raise said catch arm above said shoulder.

2,412,347
SPEED GOVERNOR SWITCH
Paul Lester Mardis, Ilkley, England, assignor to The English Electric Company Limited, London, England, a British company
Application October 26, 1944, Serial No. 560,517
In Great Britain November 24, 1943
12 Claims. (Cl. 200—80)



12. In governing mechanism, a vertical tubular drive shaft; a switch; a follower for opening and closing the switch; a carrier member at the upper end of the drive shaft; a swashplate rotatable with the carrier member for operating the follower; a slidable coupling between the drive shaft and the carrier member and including upper and lower stops engageable by the carrier member to place the swashplate in operative position with respect to the follower when the upper stop is engaged and in inoperative position with respect to the follower when the lower stop is engaged; gravity acting on the carrier member and the swashplate serving to move the latter to engage the carrier member with the lower stop when insufficiently opposed by lifting force; means for mounting the swashplate on the carrier member for tilting movement to vary its angle of inclination with respect to its plane of rotation so that, with the carrier member in upper position, the ratio of switch-closing interval to switch-opening interval may be varied; biasing means acting on the swashplate to increase its angle of inclination with respect to its plane of rotation; stops provided on the carrier member for limiting the extent of tilting movement of the swashplate; a thrust rod within the tubular drive shaft and having one end abutting the swashplate to exert force on the latter against the force of said biasing means; and centrifugal flyweights rotatable with the tubular drive shaft and arranged to apply centrifugal force to the thrust rod to move the carrier member from its lower to its upper position and then to tilt the swashplate against the force of its biasing means.

2,412,348
GAS-AIR INSPIRATOR
Harvey O. Mercier, East Orange, N. J., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application April 3, 1944, Serial No. 529,428
4 Claims. (Cl. 158—118)

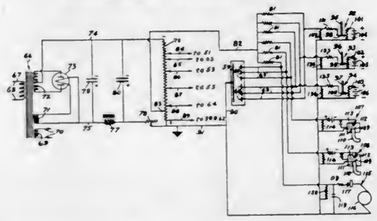


1. In a gas-air inspirator, the combination of a frame, a body integral with the frame and having a passageway therethrough, a guide integral with the frame and spaced from the body, said guide having a bore in alignment with said passageway, a nozzle slidably mounted in said bore and having its outlet adjacent to and discharging into one end of said passageway, a shutter adjustable on said nozzle adjacent said body to vary the air gap between said shutter and body, means whereby said nozzle and shutter may be retracted from said body by sliding in said bore, and means for limiting return movement of the nozzle whereby adjustment of the shutter with respect to the body will be restored when the nozzle is returned.

2,412,349
PURIFICATION OF TITANIUM TETRACHLORIDE
Bernard C. Meyers, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 15, 1944, Serial No. 526,659
6 Claims. (Cl. 23—87)

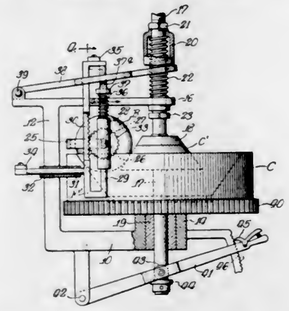
1. A process for purifying a substantially anhydrous liquid halide of a metal of the fourth periodic group of elements which comprises dispersing a small quantity of an alkali metal soap therein, vaporizing the halide, and condensing the halide vapors.

2,412,350
MULTIPLE SCALE, MULTIPLE FUNCTION INSTRUMENT INDICATING SYSTEM
Harry C. Morgan, Dayton, Ohio, assignor, by mesne assignments, to Curtis Engineering Company, Inglewood, Calif., a copartnership consisting of William H. Curtis and Russell R. Curtis
Application May 10, 1943, Serial No. 486,410
3 Claims. (Cl. 177—351)



1. A multiple scale multiple function instrument indicator system comprising a plurality of condition determining devices, and a single cathode ray tube arranged to project a sheet of electrons on a fluorescent screen contained therein, said cathode ray tube including means for deflecting different segmental portions of said sheet of electrons as a function of each of the respective conditions determined by said condition determining devices.

2,412,351
VARIABLE-SPEED TRANSMITTER
Donald L. Mount, Memphis, Mo.
Application July 14, 1944, Serial No. 544,895
17 Claims. (Cl. 74—193)



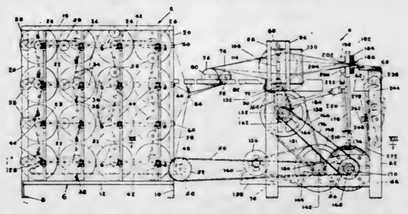
1. In a variable speed transmitter, a pair of cone elements mounted for rotation on a common axis and being arranged one within the other, means for driving one of said cone elements and utilizing the other as a driving means, and means for varying the relative speeds of said cone elements, comprising a rotatable ball element engaging with both of said cone elements to transmit rotation from one to the other, said ball element being pivoted for oscillation on a line at right angles to its axis of rotation to shift the secant line of engagement between the ball element and the cone elements, simultaneously increasing one and decreasing the other, said cone elements being axially adjustable relative to each other, and means biasing said ball element to engage said cone elements.

2,412,352
TEMPORARY SUPPORT FOR ARTIFICIAL TEETH
Simon Myerson, Brookline, Mass.
Original application August 26, 1940, Serial No. 354,205. Divided and this application April 7, 1943, Serial No. 482,110
13 Claims. (Cl. 32—71)



1. An appliance for temporarily supporting a tooth display holder within the mouth, said appliance comprising substantially rigid parts which are relatively adjustable for properly locating the holder both up and down and from front and rear, one of said parts being designed and arranged for attachment to the holder, and another of said parts being provided with means operative, independently of the relative position of the jaws, temporarily to affix said latter part to an inner surface of the mouth, and means operative to fix said parts in chosen relative position of adjustment.

2,412,353
WEAVING APPARATUS
Samuel P. Parker, La Grange, Ga., assignor to Callaway Mills, La Grange, Ga., a corporation of Georgia
Application August 30, 1944, Serial No. 551,830
7 Claims. (Cl. 139—104)

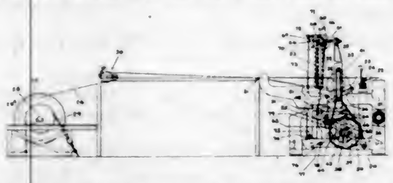


1. In a weaving apparatus, a creel for supplying cables, each consisting of a plurality of yarns twisted together, which comprises a supporting structure, a plurality of shafts mounted for rotation on the structure, each shaft being supported between its ends only, supports for yarn packages mounted on the free portions of the shafts, yarn guides mounted for rotation with the shafts, one guide for each yarn package, a yarn guide on the supporting structure beyond each end of each shaft, the yarns passing from the packages to the rotating guides and thence to those on the structure, and means for rotating the shafts to cause the yarns to be twisted together between the packages and the guides on the structure to form cables.

2,412,354
LOOM SHEDDING MEANS
Samuel P. Parker, La Grange, Ga., assignor to Callaway Mills, La Grange, Ga., a corporation of Georgia
Application May 1, 1945, Serial No. 591,266
18 Claims. (Cl. 139—55)

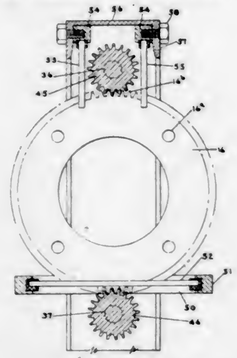
1. In a loom, the combination of a plurality of warp shedding discs, means operatively connected

to the discs for rotating them stepwise in either direction, said means including a shaft, a pair of oppositely disposed ratchet wheels on the shaft, and a reciprocating member carrying a pair of



pawls engageable selectively with respective ratchet wheels, means for continuously reciprocating said member, control means for controlling the action of the rotating means, and a pattern device for controlling the control means.

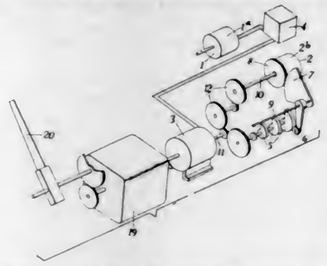
2,412,355
LOOM
Samuel P. Parker, La Grange, Ga., assignor to Callaway Mills, La Grange, Ga., a corporation of Georgia
Application May 1, 1945, Serial No. 591,267
10 Claims. (Cl. 139—55)



1. In a disc loom, the combination of upper and lower shafts operatively connected for rotation in unison, pinions fast on the shafts, a plurality of discs having peripheral teeth, the discs lying between the shafts with their teeth meshing with those of the pinions, and a plurality of means for keeping the discs separated, each means including a fixed mounting and a plurality of bars attached thereto and extending between adjacent discs, the bars of at least one set extending across the discs adjacent one shaft.

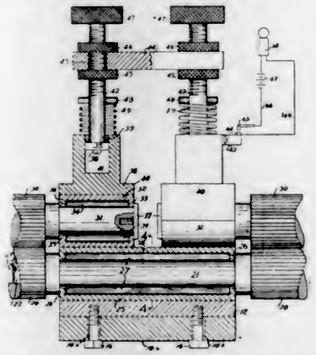
2,412,356
APPARATUS FOR THE AUTOMATIC ADJUSTMENT OF THE ANGLE OF ELEVATION OF GUNS
Frank Hooson Roberts and Johann Hermann Abbink-Spaink, Jesmond, Newcastle-on-Tyne 2, England, assignors to Vickers-Armstrongs Limited, London, England, a British company
Application March 19, 1942, Serial No. 435,350
In Great Britain March 19, 1940
7 Claims. (Cl. 89—41)

1. Apparatus for automatic adjustment in elevation of a gun, comprising an electric transmitter unit, an electric receiver unit, a controllable power drive device in driving connection with said receiver unit, a gun elevation adjustment mechanism, an operative connection from said device to said mechanism, electric connections between the said transmitter and receiver units and the control of the power drive device for securing correspondence of movement as between the adjustive movements supplied to the transmitter unit and the output movements of said power drive device, profiled cam means having an input member for its working displacement and an out-



put follower member for receiving correction displacements, a driving connection effectively operating between the input member of said cam means and said power drive device, means effective to transmit adjustive displacements to said elevation adjustment mechanism additional to those adjustive displacements normally supplied to the transmitter, and a connection between the said means for transmitting additional adjustive displacements and the output member of said cam means.

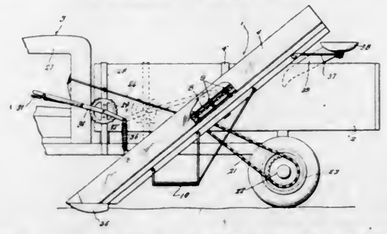
2,412,357
DRAWING FRAME STRUCTURE
Elvin B. Robinson, Gastonia, N. C., assignor of one-third to Clarence J. Costner and one-third to Arnold W. Kincaid, both of Bessemer City, N. C.
Application December 17, 1943, Serial No. 514,605
4 Claims. (Cl. 19—130)



4. In a drawing frame having top and bottom rolls, the bottom rolls being joined together by a roller neck, anti-friction bearings disposed on the roller neck and adapted to rest in a suitable bearing in a roll stand, anti-friction bearings disposed on the ends of the top rolls, and being adapted to rest on the top of the anti-friction bearing on the roller neck, and pressure applying means for applying downward pressure onto the anti-friction bearings disposed on the ends of the top rolls to hold the bearings on the ends

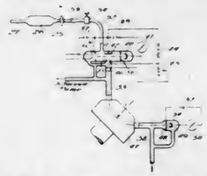
of the top rolls in intimate contact with the bearings disposed on the roller neck, the anti-friction bearings on the roller neck and on the ends of the top rolls serving as spacing bosses for the top and bottom rolls.

2,412,358
CORN PICKER
Andrew L. Roe, Bryan, Ohio, assignor of one-half to Clarence Siebenaler, Edon, Ohio
Application October 4, 1943, Serial No. 504,922
2 Claims. (Cl. 56—18)



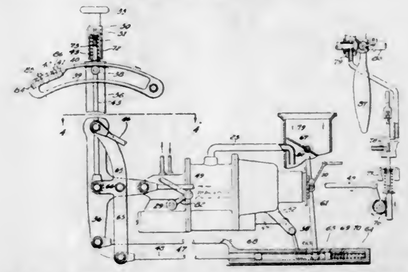
1. A corn picking machine of the character described comprising an inclined elevator adapted to be mounted for vertical swinging adjustment on one side of a vehicle, a bracket mounted on the vehicle adjacent the elevator, a toothed ring mounted on said bracket, a reversible lever pivotally mounted on the ring, a latch on the lever engageable with the teeth of the ring for releasably securing said lever in adjusted position, a link secured to said lever and having a pin and slot connection to the elevator for raising and lowering said elevator, said pin and slot connection permitting limited raising of said elevator independently of said link.

2,412,359
IONIC ANALYSIS
Edwin E. Roper, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application December 1, 1943, Serial No. 512,433
3 Claims. (Cl. 73—18)



1. A method for the micro analysis of a gas forming a small constituent of a mixture of gases including the steps of introducing at least a portion of said gases into an evacuated zone until a known pressure is obtained in said zone, introducing into said zone a substantially pure diluent gas known to have a relatively stable, simple molecule until a second known pressure is obtained in said zone, said diluent gas being characterized in that it is substantially completely composed of molecules of simple and stable structure producing on ionization positive ions mostly of one known ratio of mass number to charge on the ion, said ratio being different than that of the positive ions of any constituent gas in said mixture, ionizing at least a portion of the contents of said zone at a low pressure, and measuring the relative amplitude of the positive ions of said diluent gas and those of said constituent gas.

2,412,360
POWER CONTROL
Carl F. Schorn, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application March 4, 1942, Serial No. 433,371
4 Claims. (Cl. 170—135.6)

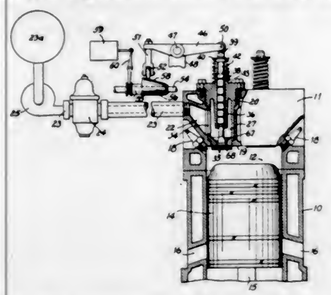


1. In combination with an internal combustion engine having an air entrance and a throttle valve therein adapted to control the air flow to the air inlet of the engine, a variable pitch propeller driven by said engine and an engine-driven, variable speed centrifugal governor for controlling the engine speed by varying the pitch of said propeller, a manually operated control device for said governor and connected to the variable speed means of said governor so as to control the speed of the engine by varying the pitch of the propeller, a throttle lever, an automatic controlling device therefor comprising a second engine-driven centrifugal governor, a barometric device operatively connected to said second centrifugal governor and slidably mounted so that it is moved bodily thereby, a variable pressure chamber enclosing said barometric device and connected to the air inlet so as to be maintained at the pressure of the air entering the engine, a source of fluid under pressure, a servomotor valve operatively connected to the barometric device and to the second governor so constructed and arranged that it controls the flow of said fluid under pressure, a servomotor operatively associated with said servomotor valve and adapted to be operated by said fluid under pressure and by said servomotor valve, a link connection from said servomotor to said throttle lever adapted to move the throttle so as to maintain the pressure in the air entrance to the engine at the pressure required to move the servomotor valve into its neutral position.

2,412,361
CONTROL OF FUEL INTRODUCTION TO ENGINE CYLINDERS
Henry Schreck, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application January 13, 1944, Serial No. 518,041
16 Claims. (Cl. 123—65)

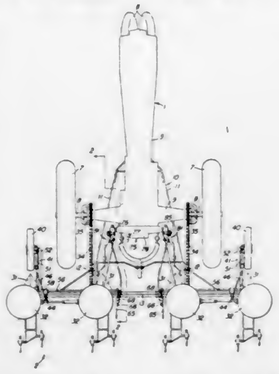
7. In an internal combustion engine, a cylinder providing a combustion space, a piston operable in the cylinder, a fuel valve arranged in the cylinder for the admission of fuel to the combustion space, said valve being adapted to admit fuel in metered quantity, determined by the extent of valve opening displacement and the duration of valve opening, valve actuating and valve control means, including a governing device responsive to engine load, for regulating the actuating means to provide for variations in the extent and duration of valve opening, means affording a source of engine fuel, conduit means for delivering fuel under pressure from the source to said

valve, a pressure-control device in said conduit means effective to maintain the fuel delivered to the valve, at a predetermined, relatively constant



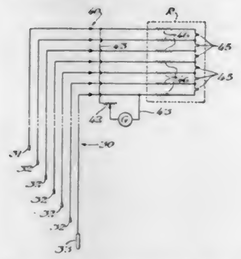
pressure, and means effective in any open position of the fuel valve, to deflect the fuel admitted to the combustion space, into a defined cylindrical stratum therein.

2,412,362
POWER LIFT MECHANISM
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 13, 1942, Serial No. 438,862
17 Claims. (Cl. 97—50)



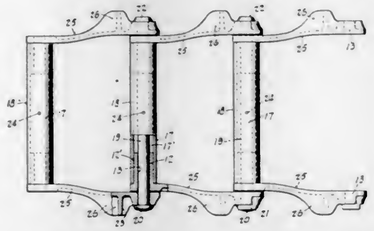
1. An agricultural implement adapted to be connected with and supported for transport on a tractor, comprising a tool support mounted for both vertical and longitudinal movement relative to the tractor, hitch means for connecting the tool support with the tractor and yieldingly resisting longitudinal movement of the tool support relative to the tractor, ground engaging gauge means connected with and movable relative to said tool support, means for connecting said gauge means with the tractor whereby rearward movement of the tool support, when it is connected with the tractor, effects a generally vertical movement of the gauge means relative to said tool support, and means connected with the tool support and adapted to be connected with the tractor and reacting against the tractor for raising said tool support, said raising means including connections which provide a lost motion connection when the raising means is in a lowered position, whereby the aforesaid vertical movement of the tool frame relative to the tractor, resulting from the yielding of said hitch means, is accommodated.

2,412,363
WELL LOGGING
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application January 14, 1942, Serial No. 426,713
4 Claims. (Cl. 175—182)



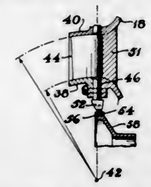
4. In apparatus for detecting the location and character of produced well fluids, a circuit comprising, a plurality of uniformly spaced electrodes adapted to be vertically disposed within a region of investigation, the said electrodes including a top electrode, a bottom electrode, and at least two intermediate electrodes, a current generator directly connected to said top and bottom electrodes, each of said intermediate electrodes being connected to said current generator only through a means for indicating, as a function of time, the potential drop across each of a plurality of contiguous uniform increments of said region defined by alternate pairs of electrodes, and rheostat means for controlling the current output of the generator across the top and bottom electrodes.

2,412,364
CHAIN LINK CONSTRUCTION
Benjamin E. Sivyer, Whitefish Bay, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 18, 1944, Serial No. 554,660
5 Claims. (Cl. 198—172)



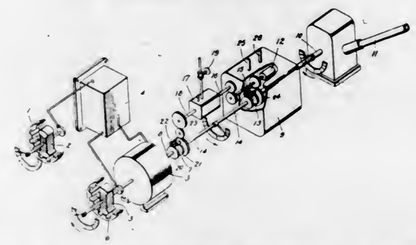
1. A drag chain link comprising side bars having apertured projections extending toward each other adjacent one end of the link, said projections having aligned flattened portions on their outer surfaces disposed substantially transverse to the plane of the link, and a tubular connecting member made from round stock and flattened on one side, so as to be substantially D shaped, said connecting member enclosing said projections with the flattened portions in registry and the ends of the tubular member abutting the side bars, and said connecting member fixedly connecting the side bars to form a link with the flattened portion disposed to form a transverse scraper surface between the side bars.

2,412,365
VARIABLE TURBINE NOZZLE
Ferdinand P. Sollinger, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 26, 1943, Serial No. 507,762
2 Claims. (Cl. 253—78)



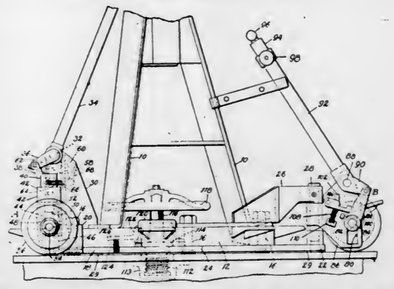
1. A turbine nozzle comprising a pair of annular walls defining an annular turbine nozzle opening therebetween, the facing surfaces of said walls comprising spherical zones having a common center, a plurality of circumferentially spaced vanes disposed about said annular nozzle opening between said walls, each of said vanes having radially spaced inner and outer circular edges fitted to the adjacent spherical wall surfaces and being pivotally mounted about an axis adjacent to the upstream end of each vane, the pivot axis of each of said vanes passing through said common center, and a plurality of fixed web portions radially disposed across said nozzle opening immediately upstream of said vanes and of substantially the same thickness as said vanes.

2,412,366
PRESSURE FLUID FOLLOW-UP MOTOR
Arthur Spencer, Benwell, Newcastle-on-Tyne 5, and Johann Hermann Abbink-Spaink, Jesmond, Newcastle-on-Tyne 2, England, assignors to Vickers-Armstrongs Limited, London, England, a British company
Application March 19, 1942, Serial No. 435,349
In Great Britain March 19, 1940
5 Claims. (Cl. 121—41)



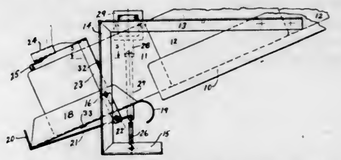
1. A power transmission system of the follow-up or repeater type including a repeater motor, a hydraulic power amplifier having an input shaft, a controlling valve, and an operating shaft for said valve, and a differential gear operated from the input shaft of the power amplifier for operating said shaft for said valve, having in combination therewith an additional differential gear interposed between the repeater motor and said input shaft for the purpose of lag correction, said last named differential gear including an outer or planet carrying member and means driven from said valve operating shaft for operating said member so as to advance the input shaft of said hydraulic power amplifier automatically to obtain complete coincidence between the signal and follower.

2,412,367
GUN CARRIAGE
Thomas H. Sullivan, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 11, 1943, Serial No. 509,907
20 Claims. (Cl. 89—40)



1. In combination, a carriage-body, a gun-mount resting upon the body, a wheeled support for the rear of the body, a wheeled support for the front of the body, and means common to the body, the mount and respectively to the wheeled supports at the front and rear for securing these elements together.

2,412,368
PACKAGE DELIVERY CHUTE
Eugene S. Tascher, Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application February 1, 1945, Serial No. 575,700
8 Claims. (Cl. 193—40)

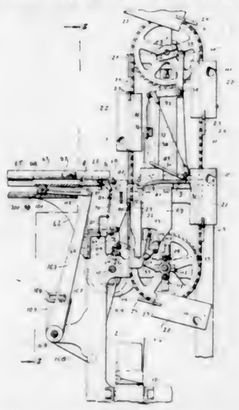


1. In a device of the class described, the combination of a delivery chute adapted to carry a line of packages, and a pivoted inclined extension adjacent the delivery end of the chute having a slide adapted to receive the lowermost package of the line and a stop adapted to hold the next following package, the length of the slide and position of the pivotal support of the extension being such that before the lowermost package reaches the lower end of the slide it will cause the extension to tilt and raise the stop to check movement of the following packages.

2,412,369
CARTON FORMING MACHINE
Eugene S. Tascher, Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Original application April 17, 1941, Serial No. 388,958. Divided and this application May 24, 1945, Serial No. 595,511
12 Claims. (Cl. 93—51.1)

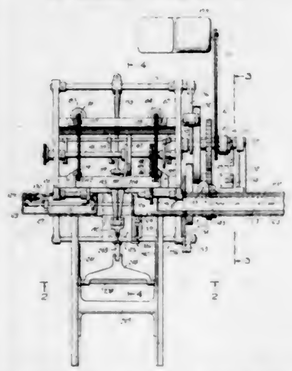
1. In a machine of the class described having a supporting frame, a removable unit assembly comprising a top plate, a cross-plate below the top plate, parallel front guides connecting the top plate and cross-plate, fixed front flap guides per-

pendicular to the front guides and secured adjacent thereto, yieldable breaker fingers fixed to the front flap guides and engageable by carton flaps moving along the guides, fixed guide fingers secured adjacent the outer edges of the front guides below the front flap guides, and yieldable tongue



pressers fixed to the front guides below the guide fingers, the breaker fingers, guide fingers and tongue pressers being substantially in vertical alignment successively, the top plate and cross-plate having means for securing the unit assembly to the frame of the machine.

2,412,370
CARTON FORMING AND FILLING MACHINE
Eugene S. Tascher, Ingleside, Ill., and William Bazant, Wyandanch, N. Y., assignors to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application April 17, 1941, Serial No. 388,958
4 Claims. (Cl. 93—3)

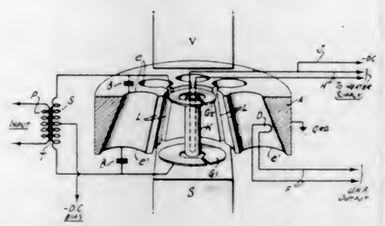


1. In a machine of the class described, the combination of an endless conveyor, means for driving the conveyor continuously, rails adjacent the edges of the top run of the conveyor and normally below the same, means for supplying stacked articles to the receiving end of said upper run and delivering them at the other end, said articles extending beyond the conveyor and over the rails, means for raising said rails thereby to lift said articles above said conveyor, a plunger having a receiving plate in the path of the conveyor adjacent its delivery end adapted to receive articles from the conveyor, a hollow former adjacent the said receiving plate, means for moving said plunger and receiving plate to and from the former, and means actuated by forward movement of the articles on the conveyor when a definite quantity of articles have been received on said receiving plate to actuate said rail raising means whereby said articles come to rest and said plunger moving means is operated to deliver the articles on said plate to the hollow former.

2,412,371
MANUFACTURE OF GASOLINE
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 19, 1940, Serial No. 370,837
6 Claims. (Cl. 196—54)

6. The improvement in cracking hydrocarbon oils for the production of high anti-knock gasoline which comprises subjecting the oil to cracking temperature in the presence of aluminum fluoride containing combined moisture.

2,412,372
MAGNETRON
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1943, Serial No. 507,697
16 Claims. (Cl. 179—171.5)



3. An electron discharge device comprising an anode having arms bounding a cavity and forming an inductance, said arms and said cavity tapering from one end to the other.

2,412,373
ELECTRICAL RESISTANCE ELEMENTS DURABLE AT HIGH TEMPERATURES AND PROOF AGAINST CHEMICAL ACTION, AND PROCESS OF MAKING SAME
Axel Richard Wejnarth, Stockholm, Sweden
No Drawing. Original application November 27, 1943, Serial No. 512,054. Divided and this application September 24, 1945, Serial No. 618,418. In Sweden October 20, 1942
7 Claims. (Cl. 201—76)

1. Electrical resistance element durable at high temperature and proof against chemical action, consisting of a sintered mass, containing as main component silicon carbide and, moreover, in smaller quantity, at least one compound, belonging to the group of chromium carbide, chromium nitride, chromium silicide and chromium boride, and at least one compound, belonging to the group of molybdenum carbide, molybdenum nitride, molybdenum silicide and molybdenum boride.

2,412,374
ELECTRICAL RESISTANCE ELEMENTS DURABLE AT HIGH TEMPERATURES AND PROOF AGAINST CHEMICAL ACTION, AND PROCESS OF MAKING SAME
Axel Richard Wejnarth, Stockholm, Sweden
No Drawing. Original application November 27, 1943, Serial No. 512,054. Divided and this application September 24, 1945, Serial No. 618,419. In Sweden October 20, 1942
7 Claims. (Cl. 201—76)

1. Electrical resistance element durable at high temperature and proof against chemical action, consisting of a sintered mass, containing as main component silicon carbide and, moreover, in smaller quantity, at least one compound, belonging to the group of chromium carbide, chromium nitride, chromium silicide and chromium boride, and at least one compound, belonging to the group of wolfram carbide, wolfram nitride, wolfram silicide and wolfram boride.

2.412.375
ELECTRICAL RESISTANCE ELEMENTS DURABLE AT HIGH TEMPERATURES AND PROOF AGAINST CHEMICAL ACTION, AND PROCESS OF MAKING SAME
Axel Richard Wejnarth, Stockholm, Sweden
No Drawing. Original application November 27, 1943, Serial No. 512,054. Divided and this application September 24, 1945, Serial No. 618,420. In Sweden October 20, 1942
7 Claims. (Cl. 201—76)

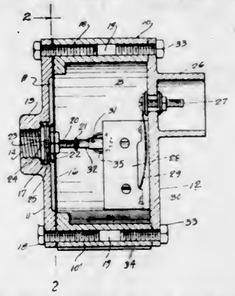
1. Electrical resistance element durable at high temperature and proof against chemical action, consisting of a sintered mass, containing as main component silicon carbide and, moreover, in smaller quantity, at least one compound, belonging to the group of chromium carbide, chromium nitride, chromium silicide and chromium boride, and at least one compound, belonging to the group of titanium carbide, titanium nitride, titanium silicide and titanium boride.

2,412,376
ELECTRICAL RESISTANCE ELEMENTS DURABLE AT HIGH TEMPERATURES AND PROOF AGAINST CHEMICAL ACTION, AND PROCESS OF MAKING SAME
Axel Richard Wejnarth, Stockholm, Sweden
No Drawing. Original application November 27, 1943, Serial No. 512,054. Divided and this application September 24, 1945, Serial No. 618,421. In Sweden October 20, 1942
7 Claims. (Cl. 201—76)

1. Electrical resistance element durable at high temperature and proof against chemical action, consisting of a sintered mass, containing as main component silicon carbide and, moreover, in smaller quantity, at least one compound, belonging to the group of chromium carbide, chromium nitride, chromium silicide and chromium boride, and at least one compound, belonging to the group of vanadium carbide, vanadium nitride, vanadium silicide and vanadium boride.

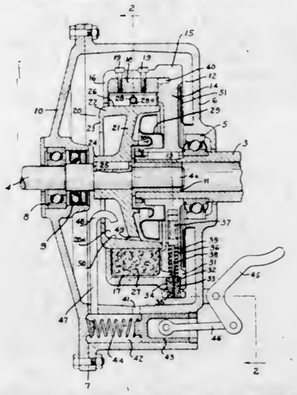
2,412,377
BALANCED PRESSURE SWITCH
Raymond L. Williams, Arcadia, Calif.
Application March 24, 1944, Serial No. 527,875
2 Claims. (Cl. 200—83)

1. A pressure balanced switch comprising a housing, a diaphragm in the housing dividing the same into opposed non-communicating chambers, a switch in one of said members and comprising a push rod, means carried by the diaphragm and adapted to engage the push rod for moving the same in a direction to close said switch when the air pressure in one of said chambers is greater than the air pressure in the other



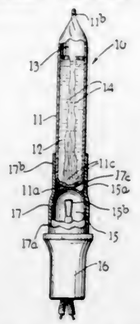
of said chambers, means for admitting air under pressure to each of said chambers, and means carried by said housing and engaging said diaphragm for maintaining said diaphragm in an unflexed position when the air pressure in each of said chambers is equal.

2,412,378
ENGAGING AND DISENGAGING MERCURY CLUTCH
Hans J. Zimmermann, Canton, Ohio, assignor to Mercury Clutch Corporation, Canton, Ohio, a corporation of Ohio
Application February 24, 1944, Serial No. 523,667
16 Claims. (Cl. 192—85)



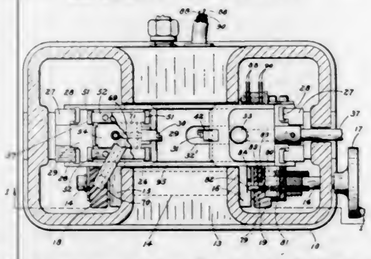
1. In combination with a liquid actuated clutch wherein driving engagement between driving and driven members is established upon rotation of one of the members by liquid thrown centrifugally outwardly into a liquid driving chamber formed in one of the members, walls forming passage means leading from said chamber and communicating with a reservoir, and valve means for said passage means mounted on one of the members constructed and arranged to open automatically when the speed of rotation of the driving member is reduced to a predetermined minimum speed, whereby liquid drains from the liquid driving chamber to the reservoir to permit disengagement of the clutch automatically upon reducing the speed of rotation of the clutch to said predetermined minimum speed.

2,412,379
DECORATIVE ILLUMINATED DEVICE
Abraham Abramson, New York, N. Y., assignor to Raylite Electric Corp., Long Island City, N. Y., a corporation of New York
Application June 9, 1945, Serial No. 598,569
7 Claims. (Cl. 240—10)



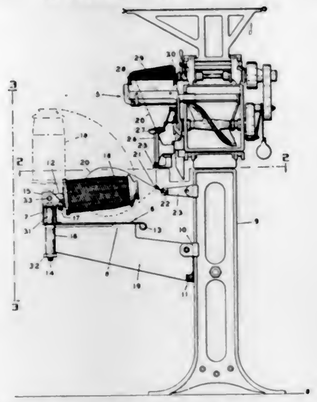
2. A device of the character described comprising a sealed transparent body, a volatile liquid partially filling said body, means incorporated in the interior wall of said body immersed in the liquid to provide a focal point serving as a source for generating an unbroken current of vapor for passing through the liquid to produce an activated light effect, and a heating and illuminating means of sufficient heating capacity to produce said generated vapor current light effect positioned adjacent said first mentioned means.

2,412,380
GAUGING DEVICE
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application May 22, 1944, Serial No. 536,717
12 Claims. (Cl. 33—147)



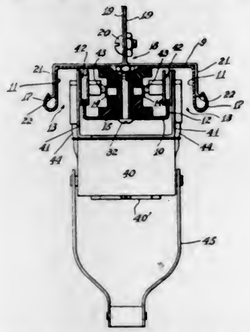
1. A gauge comprising a pair of relatively movable work engaging members, a support, means for mounting one of said members for yielding movement towards and from the other member on said support, means for adjusting the second work engaging member with respect to the first member to any desired location of fixed positioning on said support, a work supporting structure, means yieldingly mounting said support on said structure for movement in the direction of relative movement of said work engaging members with respect to one another, said support having a receiving surface for carrying a spacing block of predetermined length, said support and the second work engaging member having abutment surfaces for engaging opposite ends of the spacing block, and means operable in response to changes in positioning of the first work engaging member with respect to said support.

2,412,381
THREAD INSPECTION DEVICE
William M. Alling, Lakewood, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 11, 1943, Serial No. 505,889
4 Claims. (Cl. 28—1)



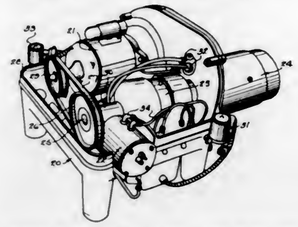
1. Thread inspection apparatus comprising a pivotally mounted thread package support; means for withdrawing thread from a thread package mounted upon said support; viewing means associated with said thread package support for facilitating visual inspection of the thread package as thread is withdrawn therefrom; means for tilting the thread package support to bring the thread package in close proximity to said viewing means; and means for adjusting the position of said thread package with respect to said viewing means.

2,412,382
ELECTRIC TROLLEY CONDUCTOR DUCT AND COLLECTOR
William C. Anderson, Burlington, and George J. Naber, Erlanger, Ky., assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application April 17, 1945, Serial No. 588,876
15 Claims. (Cl. 191—23)



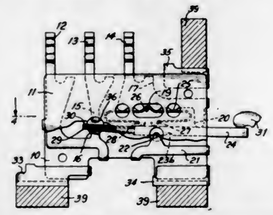
1. In a bus duct system, a duct comprising a channel-like outer duct member and a narrower inner duct member secured thereto, said members having flanges which extend in opposite directions and overlap but are spaced apart to leave trolley slots along the opposite flanges of the narrower duct member, and bus bars supported between said members and accessible through the respective slots, the flanges of the narrower duct member constituting tracks for supporting a trolley collector.

2,412,383
APPARATUS FOR PUMPING AND ATOMIZING LIQUID FUEL
William E. Baker, Swanton, Ohio
Application August 4, 1940, Serial No. 351,356
4 Claims. (Cl. 261—28)



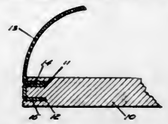
1. In apparatus for the transmission and atomization of liquid fuel, a rotatable atomizing valve having an air passageway offset with respect to the axis of rotation of said valve and extending at an angle other than a right angle to its path of bodily movement and a liquid passageway intersecting said air passageway at an angle other than a right angle, means for providing a measured and constant supply of liquid to said liquid passageway, means associated with said valve for setting up a flowing current of air through said air passageway to draw liquid from said liquid passageway into and mix it with the current of air, means for rapidly rotating said valve while the flow of air through said air passageway is maintained to produce a turbulence of the air and liquid to disperse and atomize the liquid so that it will be conveyed by the air as a mist, and means for delivering the atomized fuel from said atomizing valve.

2,412,384
ELECTRICAL SWITCH
Horace S. Beattie, Poughkeepsie, N. Y., and William K. David, Verona, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 13, 1944, Serial No. 568,010
3 Claims. (Cl. 200—6)



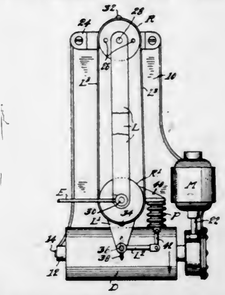
1. In an electrical switch, the combination of a pair of parallel insulating plates, a pair of oppositely disposed contact members coplanar in arrangement between said insulating plates and carried by both of said plates, a switch lever cooperating with said oppositely disposed contact members operable externally of said insulating plates and in the plane of said contact members to engage one or the other dependent upon the position of said lever, and a plate coplanar with the aforementioned parts of said switch and carried by both of said insulating plates for providing a fulcrum for said switch lever.

2,412,385
SHOEMAKING
Edwin L. Beckwith, Brookline, Mass., and Raymond B. Harrison, Dover, N. H., assignors to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application February 15, 1945, Serial No. 578,038
6 Claims. (Cl. 36—19)



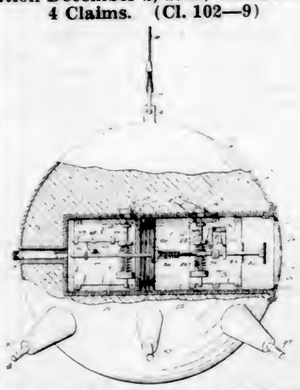
1. A shoe having a thick platform sole of resilient material provided with a pair of deep grooves extending in parallel relation about its peripheral edge, and an upper lasted to said sole, the margin of the upper being folded into one of said grooves, tucked into the other groove and providing a binding for the edge of the sole between the grooves.

2,412,386
MECHANICAL TORQUE AMPLIFIER
George L. Borell, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 17, 1945, Serial No. 573,292
21 Claims. (Cl. 74—388)



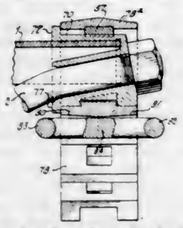
1. In a torque amplifier, a surface, power means for moving said surface, a caster wheel resting on said surface and rotated thereby as the surface moves, a caster pivot mounting for said caster wheel, an actuating element connected therewith for movement thereby, means for supporting said caster pivot mounting for movement crosswise of said moving surface, said caster wheel being secondarily pivoted to said caster pivot mounting, condition responsive means for adjusting said caster wheel on its secondary pivot relative to said caster pivot mounting, and means to rotate said caster pivot mounting in a direction to align said caster wheel with the direction of travel of said moving surface after the caster wheel is pivoted on said secondary pivot by said condition responsive means whereby said power means moves said caster pivot mounting and thereby said actuating element through the medium of said moving surface and said caster wheel with the caster wheel describing a tractrix curve on said moving surface between the point where said caster wheel is moved by said condition responsive means and a finally rebalanced position without any hunting tendency.

2,412,387
AERIAL MINE
Roberta W. Britton, Ketchikan, Territory of Alaska
Application December 2, 1941, Serial No. 421,300
4 Claims. (Cl. 102—9)



2. In an aerial mine: the combination of a balloon adapted to be released at ground level; and a bomb carried thereby containing an explosive charge and providing mechanism for firing said charge, said firing mechanism comprising a firing pin supported in functional relation to the charge, a spring for powering said pin to fire the charge, displaceable locking means arranged to engage said spring and releasably hold the same in a loaded condition, means normally inactive to but movable into engagement with said locking means for displacing the latter from its spring-holding position, and devices operatively associated with said locking means and made responsive upon a rise of the balloon-carried bomb to a predetermined height above its point of release to displace said locking means from its said spring-holding position and permit the spring to assert its power in energizing the firing pin.

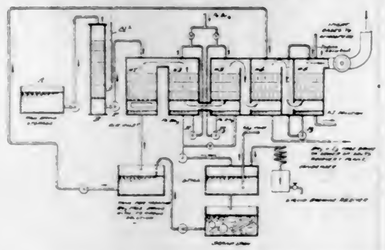
2,412,388
TRUSSED BRAKE BEAM AND/OR BRAKE HEAD
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Original application August 5, 1943, Serial No. 497,418, now Patent No. 2,398,918, dated April 23, 1946. Divided and this application June 16, 1944, Serial No. 540,656
10 Claims. (Cl. 188—226)



1. A car brake head provided with shoe lugs and having a forwardly open transverse hanger opening there between, the wall of the opening flaring at the back surface toward opposite ends of the opening, and such back surface being furthest away from the head lugs to provide a head usable as both a right head and as a left head.

2,412,389
HALOGENATED ORGANIC COMPOUNDS
Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 18, 1943, Serial No. 491,377
1 Claim. (Cl. 260—651)
Monochloro para-xylylene dichloride.

2,412,390
RECOVERY OF BROMINE AND IODINE FROM NATURAL BRINES
John Cranston, Ironton, Ohio
Application May 25, 1943, Serial No. 488,378
2 Claims. (Cl. 23—217)



1. A method of recovering bromine and iodine from natural brines which consists in treating the raw brine with excess chlorine sufficient to liberate the major bromine content of the brine and to give the spent brine a pH of approximately 1.1, lowering the surface tension of the brine by agitating it whilst it is moving in a flowing stream and simultaneously passing a current of air through the flowing stream of brine under agitation, thereby absorbing the liberated bromine vapor, removing the bromine content of the air by absorption in a ferrous bromide solution, which is brominated to the ferric condition, chlorinating the ferric solution at a temperature of substantially 60° C., removing the concentrated bromine gas thus formed and condensing it to liquid bromine, reducing the remaining ferric chloride to ferrous chloride, and bringing the ferrous chloride into contact with the bromine-spent brine, whereby elemental iodine is liberated from the iodate in the bromine-free brine by oxidation of the iron solution to ferric iron passing the brine with its free iodine into a zone wherein the iodine is removed therefrom by a stream of air, and then passing said stream through an absorption medium for the iodine.

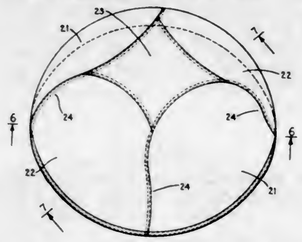
2,412,391
TAMPON
Joseph R. Crockford, Mount Rainier, Md., assignor to Harry Radzinsky and Sidney W. Dean, Jr., both of New York, N. Y.
Application October 19, 1943, Serial No. 506,811
5 Claims. (Cl. 128—270)



1. A tampon comprising a piece of soft and absorbent material having a narrow strip secured

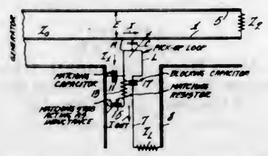
across at least one of its faces, the side edge portions of the piece extending beyond the edges of the strip, one of the edges of the piece being folded to overlie a face of the strip, and the other edge of the piece being folded in a reverse direction, whereby the piece assumes a substantially S-shape.

2,412,392
PARACHUTE
Walter S. Finken, Brooklyn, N. Y., assignor to Leonard P. Frieder, New York, N. Y.
Application February 25, 1942, Serial No. 432,309
12 Claims. (Cl. 244—145)



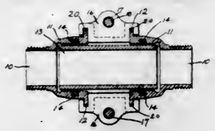
8. A parachute, comprising a substantially hemispherical load-retarding canopy made up of one portion including at least one piece of parachute forming material and extending from edge to edge of the canopy over the center thereof and being symmetrically formed on opposite sides of the center with the parts at the edges substantially wider than that part across the center of the canopy, and a pair of similar side portions connected to the first named portion by seams extending continuously from edge to edge of the canopy, each of said side portions containing at least one piece of material and being wholly separate from the material of the first named portion, and said side portions being so formed that the seams thereof with the first named portion are in the form of the seams of a baseball cover and are disposed uniformly in respect to the center of the top of the canopy and spaced from said center.

2,412,393
REFLECTOMETER CORRECTION NETWORK
Saraju P. Ghosh, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1945, Serial No. 590,400
8 Claims. (Cl. 171—95)



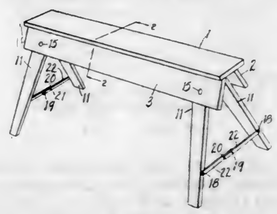
1. Apparatus for measuring standing waves on a radio frequency transmission line including indicating means, common lumped directional means providing fixed capacitive and adjustably directional inductive coupling between said line and said indicating means to provide an indication of the magnitude of waves travelling in a predetermined direction on said line, and a correction network serially connected with said directional coupling means for compensating for discontinuities introduced in said transmission line by said coupling means.

2,412,394
PIPE COUPLING
Dilys L. Giles, Burbank, Calif.
Application November 12, 1943, Serial No. 510,051
1 Claim. (Cl. 285—97.5)



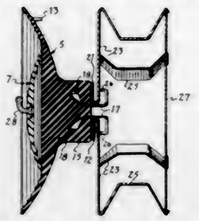
A fitting for connecting the extremities of two lengths of pipe so as to allow relative rotation of said lengths and to prevent relative angular or axial movement thereof comprising: two similar nipples; a threaded outer extremity on each nipple; a similar enlarged cylindrical socket on the inner extremity of each nipple; a peripheral flange surrounding the open extremity of each socket; a cylindrical inner tube terminating in each socket and connecting the two; an annular sealing gasket surrounding each extremity of said tube, said gaskets being mounted in grooves in said sockets; a split collar surrounding the inner tube intermediate said sockets and maintaining the latter separated; enlarged extremities on said collar provided with internal grooves in which said flanges are rotatably mounted; and means for securing the two halves of the split collar together.

2,412,395
TRESTLE
Herman W. Goosmann, Grand Rapids, Mich.
Application June 25, 1945, Serial No. 601,523
9 Claims. (Cl. 304—5)



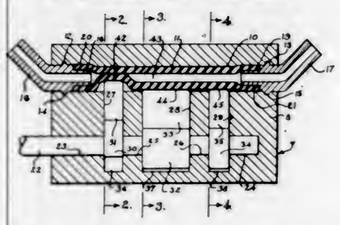
1. In a trestle, the combination with a top bar, of a pair of leg rails, a pair of leaf hinges connecting one of said leg rails to the under side of said top bar, the hinge leaves connected to the top bar having downwardly projecting arms at the outer ends thereof provided with inclined keyhole slots, pairs of legs pivotally mounted on the inner sides of said leg rails to be swung into erected position at an angle thereto or to a collapsed position between the side rails when the side rails are collapsed, hinges connecting the upper ends of said legs, said hinges comprising hinge mmebers having inwardly offset knuckle portions and coacting headed pintles projecting at their headed ends to engage said keyhole slots in said arms on said leg rail hinges when the legs are swung to extended position relative to the leg rails, said pintles engaging the reduced portions of said keyhole slots when the legs are swung to fully erected position, the hinges for the legs constituting hinges for the other leg rail, said leg rails having beveled upper edges in supported abutting engagement with the under side of the top bar when in erected position, and collapsible locking braces for said pairs of legs.

2,412,396
DRYING LINE AND SELF-LOCKING REEL THEREFOR
Anne D. Hanna, Los Angeles, Calif.
Application January 1, 1945, Serial No. 570,967
13 Claims. (Cl. 242—100)



11. A line and reel combination comprising a hub member, supporting means for said hub member, one end of said hub member being attached to said supporting means, a line, a reel member rotatable on said hub member and on which said line is adapted to be wound, and means for interlocking said reel member and said hub member when said line is tensioned and a component of said tension is along the axis of said hub and reel.

2,412,397
FLEXIBLE TUBE PUMP
Lyndus E. Harper, Kansas City, Mo.
Application December 31, 1943, Serial No. 516,399
16 Claims. (Cl. 103—148)



1. In a pump of the character described, a flexible tubular member, an inlet conduit leading into one end thereof, a discharge conduit leading from the other end thereof, reciprocable means for sealing off a portion of said tubular member from said inlet conduit, reciprocable means spaced therefrom for sealing off a portion of said tubular member from said discharge conduit, reciprocable means engaging said tubular member to alternately decrease and increase the capacity thereof between said sealing means, driven means for reciprocating said means in relative succession to move a fluid from said inlet conduit to said discharge conduit through said flexible tubular member, and means for adjusting the amplitude of movement of said reciprocable capacity varying means.

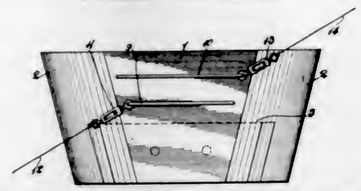
2,412,398
COMPACTING MACHINE
Raymond Harsch, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 30, 1944, Serial No. 556,627
5 Claims. (Cl. 61—63)

3. In compacting equipment of the class described, the combination comprising a plurality of tamper plates, pivot pin means detachably connecting said tamper plates, said pivotally connected tamper plates forming an articulated unit, pneumatic vibrators mounted on said tamper plates, a compressed air manifold extending the length of said articulated unit, separate air conduits leading from each of said vibrators through



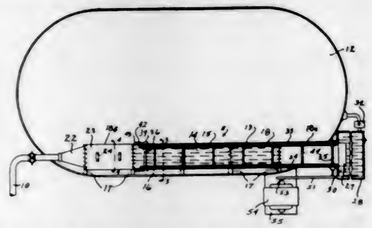
disconnectable connector elements to said air manifold, a support plate mounted on said articulated unit near the center thereof and extending over the length of plurality of said tamper plates, and flexible conduit means including a valve leading from said air manifold to each of said pneumatic vibrators.

2,412,399
FISHING FLOAT
Leo Miller Henricks, Indianapolis, Ind.
Application December 1, 1944, Serial No. 566,183
1 Claim. (Cl. 43—49)



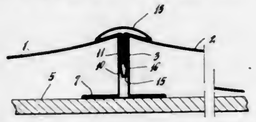
A fishing float comprising a body member of buoyant material, said body member having a trapezoidal horizontal cross section and downwardly and forwardly converging opposite sides and unequal vertical trapezoidal parallel faces, a lower U-shaped member having legs partly penetrating the body member and a bight portion extending parallel to the smaller face of the body and horizontally, an upper U-shaped member above the lower U-shaped member and having legs partly penetrating the body and a horizontal bight portion disposed parallel to the smaller face of the body, a swivel member slidably engaging with one end the bight portion of the lower U-shaped member and engaging with the other end a fishing line, a second swivel slidably engaging with one end the bight portion of the upper U-shaped member and engaging with the other end a reel line.

2,412,400
STRAINER
Alvin Hock, Cincinnati, Ohio
Application May 22, 1943, Serial No. 488,068
9 Claims. (Cl. 210—151)



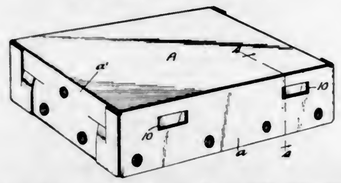
1. In a strainer of the class described the combination with a tank, of a trough associated with the tank and having its bottom above that of the tank, said trough having a length with the major portion over the bottom of the tank and a minor portion projecting beyond the tank bottom and said trough including a bottom perforated for the major portion thereof that is over the tank bottom and said remaining portion of the trough bottom imperforate, upstanding sides for the entire length of the trough bottom, the trough having a receiving end above the tank bottom and an open discharge end beyond the tank bottom, a receptacle at the discharging end of the trough for receiving material from the trough, power actuated means within the trough movable from the receiving end to the discharging end thereof for propelling and agitating the material being processed, a removable cover for the trough adjacent its receiving end, and means at the discharge end of the trough for directing the material into the receptacle.

2,412,401
ROOFING CONSTRUCTION
Osmund Holm-Hansen, Fairfield, Conn., assignor of two-thirds to John N. Ledbetter, Jr., New York, N. Y.
Application December 2, 1944, Serial No. 566,262
6 Claims. (Cl. 108—13)



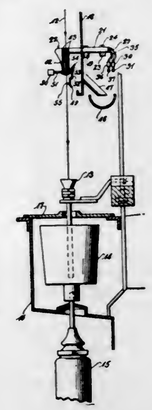
1. Roofing construction comprising mounting strips, each having a base with ribs thereon, roofing surface elements supported by said ribs, said elements having downturned flanges along their edges received between said ribs and locking strips having webs received between said ribs and engaging said flanges, and heads overlapping said ribs.

2,412,402
AUTOMATICALLY LOCKED FIBERBOARD SHIPPING BOX
Joseph G. Huye, New Orleans, La.
Application October 30, 1944, Serial No. 561,086
4 Claims. (Cl. 229—45)



1. An automatically locked box comprising a body section having a bottom panel and side and end flanges integral with and extending upward from said panel and having their respective end portions firmly secured together to form a rim, and a plurality of locking tongues respectively integrally resiliently hingedly connected to the upper parts of the respective end portions of the respective side flanges and extending laterally therefrom, each said tongue being formed with a free end locking abutment end face and with limiting shoulders at each end of said face and at different distances from said face toward the hinge of said tongue, said tongues being upwardly and outwardly resiliently pressed, in combination with a cover section comprising a top panel, side flanges and end flanges integral with and depending from said top panel and having their respective end portions firmly secured together to form a skirt of such size and form as to snugly receive said rim, said cover side flanges each comprising two layers of material, the upper end portions of the respective inner layers thereof being notched out to a depth substantially in excess of the height of said locking tongues respectively and so positioned as to respectively receive the lower free end portions of said respective tongues and respectively formed with a bottom edge wall and with vertical end walls so positioned as to respectively engage with their inner corners the outer corners of the respective shoulders of the respective tongues at different distances from the hinge connections of the respective tongues to twist the respective tongues and present the respective free end abutment edge faces thereof slantwise across the faces of the respective bottom edge walls and in the same vertical planes to abut the latter, the outer layers of the respective end portions of the respective cover side flanges being formed with release openings respectively smaller than and in transverse registry with the respective notches, and frangible adhesive applied means for covering said openings respectively.

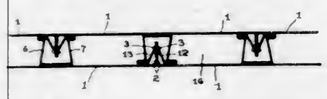
2,412,403
METHOD AND APPARATUS FOR USE IN THE MANUFACTURE OF SYNTHETIC THREADS
Arthur L. Jackson, West Asheville, and John K. Whisnant, Enka, N. C., assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application July 12, 1944, Serial No. 544,616
17 Claims. (Cl. 57—34.5)



1. In a process of collecting rayon the steps which comprise continuously feeding the rayon into a centrifugal pot, establishing a current of fluid, severing the freshly formed thread after a predetermined period of delivery into said pot by impinging the current of fluid upon an element to effect operation of severing means, subjecting the thread to the action of said fluid current for directing the thread to a waste collecting zone, providing a pot for initiating a further collecting operation, severing the thread from that portion collected in the waste zone by effecting actuation of said severing means upon the discontinuance of the current of fluid, and directing the severed end of the thread into a

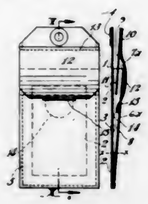
position for again initiating the continuous passage of the thread into the last mentioned pot by establishing another current of fluid and impinging the same upon the thread.

2,412,404
WALL STRUCTURE FOR BUILDINGS AND THE LIKE
Alfred L. Jackson, New York, N. Y.
Application December 16, 1944, Serial No. 568,483
1 Claim. (Cl. 189—34)



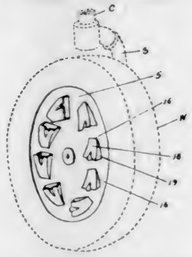
In a device of the character described, the combination of a pair of panels each having marginal flanges positioned at right angles to the body of the panel of which it forms a part, the flanges of adjacent panels being set together, projections on the said flanges extending therefrom into the plane of an adjacent flange, cut out sections in the said flanges positioned to receive the projections of an adjacent flange and to permit limited longitudinal movement of the said panels with respect to each other, and spring means for clamping the said flanges together.

2,412,405
HOLDER FOR LABELS, TAGS, AND THE LIKE
Walter Kahn, Middelburg, Transvaal, Union of South Africa
Application December 21, 1942, Serial No. 469,717
3 Claims. (Cl. 40—10)



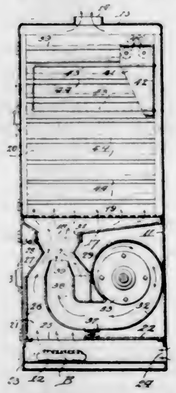
1. A combination label device of the kind described, comprising a front wall and a rear wall defining a pocket space, said rear wall being opaque and shorter than said front wall and being attached to the latter along each side and the bottom end thereof but not along the top end thereof whereby a split opening into said pocket space is provided, said front wall being provided at its top end with means for the attachment of securing means for said device whereby access may be had to said pocket space without loosening or detaching said securing means, said front wall being provided with a window opening therein, a short intermediate member secured to the upper part of said front wall and extending downwardly therebetween and said rear wall, said intermediate member terminating adjacent the upper end of said window opening, and a separate flap for closing said slit opening and secured to said intermediate member adjacent the top end thereof, said flap having a tabbed end adapted to overlie said slit opening, said rear wall being provided with a short slit inwardly from its aforesaid top end, said short slit being engageable by said tabbed end.

2,412,406
AIRCRAFT LANDING WHEEL
Joseph Kerezi, Detroit, and Lynn C. Maysilles, Wayne, Mich.
Application July 10, 1944, Serial No. 544,230
10 Claims. (Cl. 244—103)



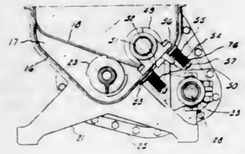
1. An airplane landing wheel, including wheel structure, a casing secured to said wheel having a series of circumferentially spaced openings, a series of wheel rotating buckets hinged to said casing adapted to project through said openings with their open ends presented to the slip stream during a portion of the wheel cycle, and resilient spring means for retracting said buckets as they travel through the remaining portion of the wheel cycle, said wheel rotating buckets being hinged for swinging movement on an axis such that the open ends will be directed opposite to the direction of wheel rotation.

2,412,407
DEHYDRATOR WITH REMOVABLE TRAYS
Paul D. Kilbury, Hawthorne, Calif., assignor of one-half to John W. Billingsley, Newton, Iowa
Application August 22, 1944, Serial No. 550,551
4 Claims. (Cl. 34—197)



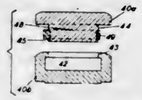
1. In a dehydrator, an upright housing, partitions within said housing and dividing the space therein into an upper dehydrating chamber, an intermediate chamber and a lower chamber, the latter having an air inlet, the partition above said lower chamber having an air outlet, there being an opening in the partition below the dehydrating chamber, in vertical alignment with the opening in the partition between the intermediate and lower chambers, a drum within the intermediate chamber for conducting air from the opening in the lower partition to the opening in the partition between the dehydrating and intermediate chambers, said drum provided in its upper portion with a venturi, a housing within the intermediate chamber to the side of said drum, means for admitting air to said last mentioned housing, an impeller arranged for operation within said last mentioned housing, and a duct leading from the impeller housing through the lower portion of said drum, thence upwardly through the center of said drum, into said venturi.

2,412,408
FUEL RECEIVING AND CONVEYING APPARATUS
Eugene Martin, Wesleyville, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application December 29, 1944, Serial No. 570,255
10 Claims. (Cl. 198—15)



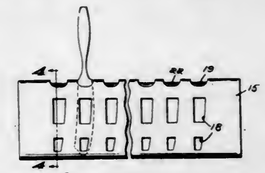
1. A material feeding hopper of elongated shape provided in one end wall with a discharge opening, one portion of the bottom wall of said hopper remote from said end wall being shaped to form a conveyor trough terminating at its delivery end short of said end wall, said conveyor trough having its longitudinal axis offset at its delivery end to one side of the longitudinal axis of the hopper, and another portion of the bottom wall of said hopper between said end wall and said conveyor trough being offset below the level of said first named bottom wall portion and shaped to form another conveyor trough having its longitudinal axis in the vertical medial plane of the hopper, said troughs being in communication for the passage of material from one to the other.

2,412,409
LOCK NUT AND METHOD OF ASSEMBLING SAME
Eugene W. Martin, Denver, Colo.
Application February 17, 1943, Serial No. 476,137
4 Claims. (Cl. 151—19)



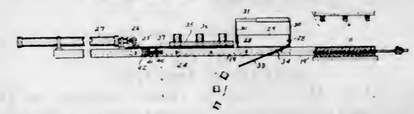
1. A lock nut comprising two nut members having internally threaded bores adapted for coaxial alinement on the thread of a bolt or the like, one said member having a recessed portion comprising a cylindrical socket section and a cylindrical entrance portion of lesser diameter than the socket portion and out of axial alinement with said threaded bore, the other said member having a cylindrical skirt portion terminating at its outer end in a cylindrical flanged portion out of axial alinement with the threaded bore and of greater diameter than said entrance portion, the members being assembled with the flanged portion of the skirt extending through the narrower entrance portion and into the socket portion of the other said member, whereby said members may be rotated conjointly in permanently attached relation along the thread of a bolt and rotated independently at any selected position on said thread to lock the assembly against further movement thereon, and resilient means on said skirt portion arranged to be compressed by said socket member when the members are rotated independently to hold said members against relative rotational movement.

2,412,410
KNIFE RACK FOR SILVERWARE CHESTS
Lloyd Maxim, Leominster, Mass.
Application May 30, 1945, Serial No. 596,640
3 Claims. (Cl. 206—75)



1. A knife rack of the character described, comprising a sheet of flexible material folded upon itself to provide a front section, a rear section, an intermediate panel and a top flap, and a filler sheet interposed between the front section and said panel, the flap being folded over the upper edges of the panel and fastened to the back of the rack, said flap having openings spaced along its fold and the filler sheet having slots providing pockets for knife blades inserted through the respective openings.

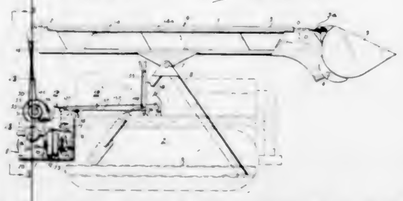
2,412,411
APPARATUS FOR THE MOLDING OF PLASTIC ARTICLES
Archibald B. McGinnis, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a corporation of West Virginia
Application February 18, 1941, Serial No. 379,436
10 Claims. (Cl. 18—16)



4. An attachment for molding presses having upper and lower press members, one of which is movable toward and away from the other, said press members having complementary mold plates thereon, the upper mold plate having mold elements adapted to have a screw-threaded engagement with the articles which are formed on the press, said attachment comprising a carriage movable from a position over the lower press member to a position to one side thereof, a trackway along which the carriage is movable and upon which it is supported, stripping means on the carriage adapted to remove articles from the upper mold plate when the carriage is projected into position between the upper and lower mold members and a charging mechanism on the carriage immediately adjacent the stripping mechanism and adapted to be moved with the carriage into position over the lower mold plate and to be so positioned when the stripping operation is completed, means for operating the carriage, means on the carriage providing an enclosure into which the articles which are stripped drop, a hinged plate on the carriage in said enclosure,

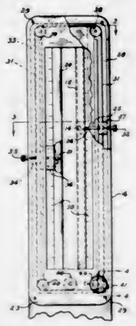
and means on the trackway along that portion thereof which extends between the press members for supporting the hinged plate in a cap-receiving position, said means terminating exteriorly of the press to enable the hinged plate to swing downwardly for discharging the molded articles therefrom.

2,412,412
CONTROL MECHANISM FOR HOISTING EQUIPMENT
Gottfried Meili, San Gabriel, Calif., assignor of one-half to Marion P. McCaffrey, Los Angeles, Calif., and one-half to William Ruddock, South Pasadena, Calif.
Application October 23, 1944, Serial No. 559,920
15 Claims. (Cl. 214—140)



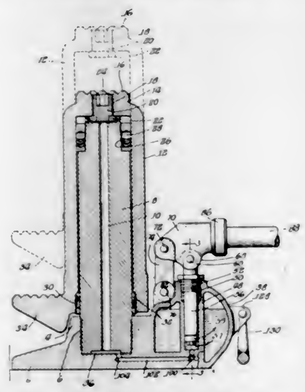
1. In material handling equipment, a bucket and arm assembly movable to raise and lower the bucket, said bucket being movable on said arm between load retaining and load dumping positions, a rotatable drum, means connecting said drum with the bucket, whereby rotation of the drum in one direction serves to move the bucket to load retaining position and thereafter to move the arm to raise the bucket, means to optionally cause rotation of the drum in said one direction, means independent of said drum for optionally restraining said arm against movement to lower the bucket, means for controlling rotation of the drum optionally to maintain the bucket in load retaining position or to permit the bucket to dump while said arm is restrained, and common actuating means for said rotation causing means and said control means.

2,412,413
GAUGING DEVICE
Richard Y. Moss, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application August 2, 1945, Serial No. 608,477
5 Claims. (Cl. 33—174)



1. A gauging device comprising a pair of upright flow tubes of tapering internal cross sectional area, a support on which said tubes are arranged with their smaller ends lowermost, a work engaging member connected to one of said tubes and having a fluid discharge gauging nozzle adapted for cooperation with the interior surface of a workpiece, a work engaging member connected to the other of said tubes and having a fluid discharge gauging nozzle adapted for cooperation with the exterior surface of a second workpiece intended to interfit with the first workpiece, said tubes each having a float operable therein in response to the rate of flow of fluid through the respective gauging nozzles, an adjustable index member for each of said tubes adjustably mounted for movement along the length of their respective tubes, and means interconnecting said index members to cause equal but opposite movement of said members.

2,412,414
HYDRAULIC JACK
Joseph J. Mueller, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan
Application December 12, 1942, Serial No. 468,768
3 Claims. (Cl. 254—93)



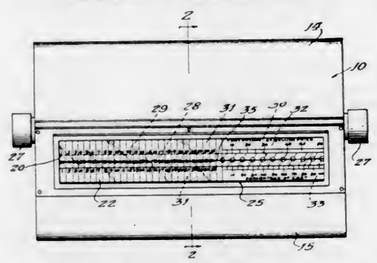
1. In an hydraulic jack in combination with a basal casting having ram receiving walls, a ram mounted in fluid-tight manner with respect to a portion of said casting walls, a ram cylinder surrounding said ram and shiftable relatively thereto, said ram cylinder forming a load supporting member, said basal casting having integral walls laterally of said ram forming a hollow reservoir to contain liquid, an intermediate portion of said reservoir having internal walls projecting downwardly through the reservoir and providing a high pressure pump cylinder, a piston in said cylinder and an actuator for said piston, a wall of one of said cylinders being formed with a bored portion forming a sleeve, the inner end of said bored portion terminating within the reservoir and the outer end of said bored portion terminating outside of said reservoir, an elongated adjusting means adjustably mounted in said bored portion, packing means about the outer end of said rod between it and the walls of the reservoir, the inner end of said rod being formed as a valve, said basal casting having passages formed therein interconnecting the high pressure cylinder and the space between the ram and the ram cylinder, and likewise connecting with the reservoir, said valve on said rod controlling said last mentioned passage.

2,412,415
COMBINATION UMBRELLA AND CAPE
Haimi Navon, Brooklyn, N. Y.
Application August 10, 1945, Serial No. 610,026
3 Claims. (Cl. 2—88)



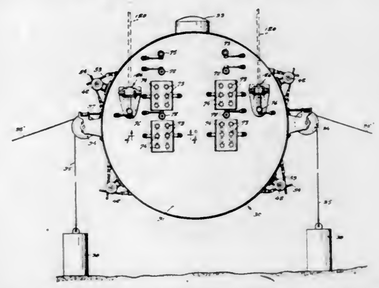
1. A garment-like combination cape and umbrella comprising a substantially bell-shaped garment having an opening at the top for the neck of the wearer and a wide opening at the bottom, the lower peripheral edge of said bottom opening having an endless lazy tongs secured thereagainst throughout the periphery of said edge for holding said lower edge away from the body of the wearer when said lazy tongs are in extended condition, and means for releasably locking said lazy tongs in extended condition.

2,412,416
COMPUTING APPARATUS
Raymond A. Nelson, Deerfield, Ill.
Application September 6, 1945, Serial No. 614,783
11 Claims. (Cl. 235—87)



1. A computing apparatus comprising a casing having a manually adjustable cylinder rotatably mounted therein, a chart on the said cylinder including a left-hand section bearing cost price data and the said cost price data being arranged in parallel columns containing numerical data representing cost prices of articles or units of merchandise, said chart including a right-hand section bearing selling price data, the said selling price data-bearing section of said chart being divided by oblique lines each representing the selling price of an article or unit of merchandise into spaces each representing a unit of monetary value, each of the said oblique selling price lines having its point of origin along the left-hand marginal edge of the said right-hand section of the said chart and the point of origin of each of the said oblique selling price lines representing the cost price of an article or unit of merchandise as shown in the left-hand column of the said left-hand or cost data-bearing section of the said chart, the said casing including a wall having an elongated sight opening therein and the said sight opening having substantially parallel upper and lower marginal edges, said sight opening including a left-hand portion having a scale along at least one of its marginal edges bearing indicia representing numbers of articles or units of merchandise, the said sight opening including a right-hand portion having a scale along one marginal edge bearing indicia representing percentages of profit based on the selling price of said articles or units of merchandise, the said right-hand portion of the said sight opening having a scale along its other marginal edge bearing indicia representing percentages of profit based on the cost of said articles or units of merchandise, the said percentage of profit based on cost scale corresponding in length to the horizontal distance across the said right-hand or selling price data-bearing section of the said chart from an imaginary line drawn through the point of origin of the said oblique selling price lines to an imaginary line drawn through the termini of the said oblique selling price lines along the right-hand marginal edge of the right-hand section of said chart, the horizontal distance across the right-hand section of the said chart from the point of origin of each of said oblique lines to the said right-hand marginal edge of the said right-hand section of the said chart representing a mark-up of 100 per cent of the cost of an article or unit of merchandise based on its cost price, every point on each of the said oblique selling price lines representing the selling price of an article or unit of merchandise, the vertical distance between the termini of each two adjacent oblique selling price lines being one-half of the distance between the points of origin of the same two adjacent lines, and means for manually rotating the said cylinder so as to move the said cost price data and the said selling price data on the said chart thereon selectively into registration with the said sight opening and into registration with the said scales arranged along the said marginal edges of the said sight opening.

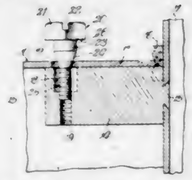
2,412,417
ART OF RAISING SUNKEN VESSELS
Wallace L. Newell, Seattle, Wash.
Application April 5, 1943, Serial No. 481,938
19 Claims. (Cl. 114—51)



1. In a salvage operation employing a lifting hook-up including a member adapted to be secured upon the side of a sunken vessel, and given a submersible working caisson externally rigged upon its frontal face with operating tools, the method of performing the work which consists in surfacing the caisson and upending the surfaced caisson to expose said frontal face thereof and, while so exposed, detachably anchoring the lifting member upon said frontal face of the caisson to immovably hold the member in predetermined functional relation to the operating tools, submerging the caisson to the level of the sunken vessel and positioning the same to locate the

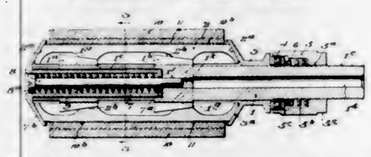
lifting member upon the hull-plates of the vessel, operating the tools to secure the lifting member to the hull-plates, and detaching the caisson from the anchored lifting member.

2,412,418
SECURING AND SEALING MEANS FOR METER BOX HOUSINGS
John A. Obermaier, River Forest, Ill.
Application January 6, 1944, Serial No. 517,256
1 Claim. (Cl. 220—18)



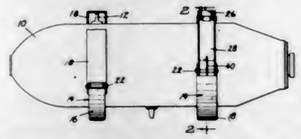
In a device of the class described, in combination, a base member, a post secured to and extending from said base member, said post having a laterally directed threaded opening therein, a housing having a wall extending externally over said post and toward said base member, a compressible sealing gasket between said base member and the inner edge of the wall of said housing, said wall having an opening out of complete axial alignment with the threaded opening in said post with the axis of the last named opening offset toward the base when said gasket is uncompressed and a screw having a shank adapted to be inserted through the opening in the wall of the housing and threaded at its inner end to be screwed into the threaded opening in said post, the shank of said screw having an enlarged tapered portion cooperable with the wall of the housing along the edge of the opening therein to force the inner edge of the wall of the housing toward the base member and compress the gasket therebetween upon screwing said screw into said post.

2,412,419
ADJUSTABLE HONE
John J. Palotsee, Youngstown, Ohio
Application March 30, 1945, Serial No. 585,629
7 Claims. (Cl. 51—184.3)



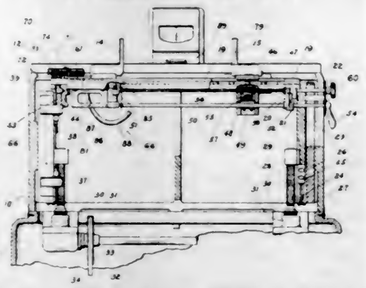
1. An adjustable hone comprising a spindle having a bore, and provided with spaced annular polygonal enlargements having their outer faces axially aligned and sloping in the same direction; a set of longitudinally disposed blades around the spindle having oppositely beveled ends and having correspondingly sloping inner faces seated upon the enlargements; segmental hones carried by the respective blades adapted when the blades are contracted to form a cylindrical abrasive surface; an axially movable collar on the spindle having a conical recess receiving the adjacent beveled ends of the blades; a member in the bore of the spindle yieldably connected with the spindle and having a conical head beyond the bore receiving the adjacent beveled ends of the blades; the end of the spindle adjacent the collar being exteriorly threaded; a nut on said threaded end for shifting the collar; and said bore of the spindle having ducts leading into the space between the spindle and blades.

2,412,420
BOMB PROTECTIVE BAND
John T. Parsons and Axel V. Brogren, Detroit, Mich.
Application January 11, 1943, Serial No. 472,078
2 Claims. (Cl. 102—1)



1. A protective band of the character described comprising, in combination, a plurality of arcuate segmental channel shaped members pivotally linked together in the form of a split ring type of assembly wherein the channel of one end member faces outwardly and the channel of the other end member faces inwardly of the ring assembly, a yieldable coupling detachably connecting the free ends of said end members together to form a circular band and having positive strain limiting means associated therewith detachably connecting the free ends of said end members together, said two coupling mechanisms supported within the channel of the outwardly facing channel member.

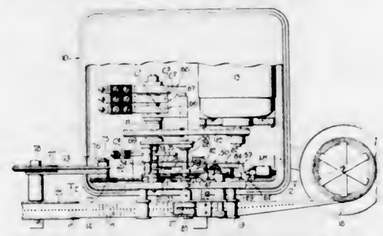
2,412,421
GAUGING DEVICE
Louis F. Polk and Willis Fay Aller, Dayton, Ohio, assignors to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application June 23, 1944, Serial No. 541,808
14 Claims. (Cl. 33—147)



11. A gauge comprising a support having a stationary work supporting table, a carrier arranged below said table, a pair of spaced carriages guided for vertical movement in said support, a plurality of flexible spring blades suspending said carrier on said carriages for yielding movement parallel to said table, a plurality of elevating screws mounted in said support for raising and lowering said carriages, common means for operating said screws, a gauging element adjustably mounted on said carrier, means extending below said table to a point exterior of said support for adjusting said gauging element along said carrier, locking means for holding said element in adjusted position, said locking means being accessible from the exterior of said support, a second gauging element, means

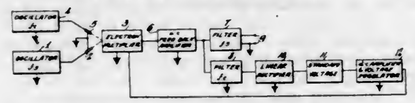
yieldingly supporting said second element on said carrier for yielding movement towards and from said first element, indicating means responsive to changes in the relative position of said second element with respect to said carrier, spring means yieldingly urging said second element towards said first element, and means readily operable to reverse the direction of spring pressure to cause said second element to be yieldingly urged away from said first element.

2,412,422
RECORDING APPARATUS
Edward J. Rabenda, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 11, 1944, Serial No. 558,253
21 Claims. (Cl. 178—3)



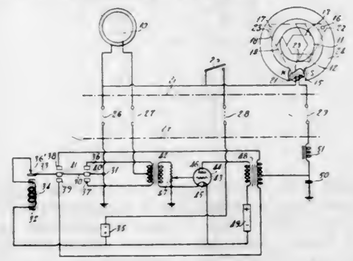
1. In recording apparatus, means for successively producing code signals representing character data and functional operations; means controlled by said code signals and operable to record successively in a record sheet, code designations representing, respectively, the character data and functional operations represented by the signals; means normally operable to space said record sheet for each code recording operation so as to bring blank recording areas on said sheet into recording position; cycling means operable when initiated to provide a predetermined number of controlling cycles of operation; means controlled by the signal producing means upon the producing of a code signal representing a particular functional operation, for initiating the operation of said cycling means; and means controlled by said cycling means for effecting an operation of said record sheet spacing means once for each of said predetermined member of controlling cycles.

2,412,423
AUTOMATIC GAIN CONTROL CIRCUIT
Jan A. Rajchman and Edwin A. Goldberg, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application April 29, 1943, Serial No. 485,040
20 Claims. (Cl. 250—41.5)



12. A circuit for controlling the gain of an electron multiplier device including means for generating separate light beams, means for modulating said beams at different frequencies, means for simultaneously applying said beams to said multiplier to produce a common electron stream therein, means for deriving combined signals from said multiplier, filter means for separating said signals, means including a source of reference potential and responsive to one of said separated signals for deriving control potentials therefrom, and means for applying said control potentials to said device as bias voltages to control the velocity of said electron stream and hence the gain of said multiplier.

2,412,424
PHOTOELECTRIC CONTROL DEVICE FOR CAMERA DIAPHRAGMS
Karl Rath, New York, N. Y.
Application May 12, 1944, Serial No. 535,242
6 Claims. (Cl. 95—64)

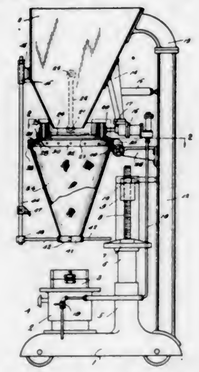


1. The combination with a portable photographic hand camera comprising a lens, a shutter and an iris diaphragm having adjusting means operable by electric current to control the amount of light passing through said lens; a photoelectric device mounted upon said camera and arranged to produce a photoelectric current proportional to the brightness of a scene being photographed in the picture taking position of said camera; a separately wearable thermionic amplifier forming a unit different from said camera and including cathode heating current and anode current supply means; circuit connecting means including flexible conductor means detachably connectable to said camera, on the one hand, and connected to said amplifier, on the other hand, to operatively interconnect said photoelectric device, said amplifier, and said adjusting means, whereby to control the opening of said diaphragm in accordance with the existing scene brightness; shutter release means upon said camera; an electric switch upon said camera with means to be controlled by said shutter release means to be closed prior to and to be opened after an exposure during operation of said shutter release means; and further circuit connecting means including additional flexible conductor means between said camera and said amplifier unit and connectable with said first connector means, whereby to insert said switch in the cathode heating current circuit of said amplifier.

2,412,425
FOUNDRY SAND SIFTING AND FLASK-FILLING APPARATUS
Harry H. Rawson, Spokane, Wash.
Application September 6, 1944, Serial No. 552,906
1 Claim. (Cl. 209—240)

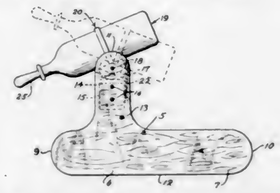
A flask-filling apparatus comprising a base, a standard rising from said base, a hopper supported from said standard and spaced upwardly from the base, a riddle mounted for reciprocating movement under said hopper, a fabric bag under said riddle tapered toward its lower end and having rings at its upper and lower ends, rods projecting from the lower ring, a rod shiftable vertically in front of the hopper and the bag,

one rod of the lower ring being connected with the lower end of said rod, and a hook carried by the vertical rod and shiftable thereon to vertically adjusted positions, said hook being shifted



vertically with the rod into position for engaging the upper ring and holding a predetermined portion of the lower end portion of said bag in upwardly folded position to close the lower end of the bag and retain sand in the bag.

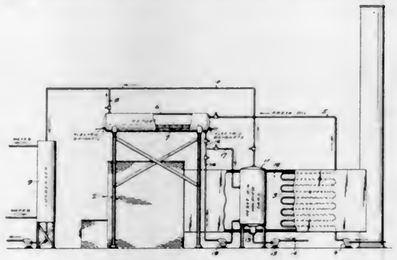
2,412,426
NURSING BOTTLE HOLDER
Michael Rayko, Indiana, Pa.
Application July 2, 1946, Serial No. 681,060
3 Claims. (Cl. 248—105)



1. A holder for a nursing bottle, comprising a frame comprising a pair of sides to rest upon a supporting surface at opposite sides of a baby, a cross member secured to and between upper portions of said sides, forwardly and rearwardly tiltable bottle holding means mounted on and between said sides above said cross member, and spring means normally retracting said bottle holding means into rearwardly tilted position.

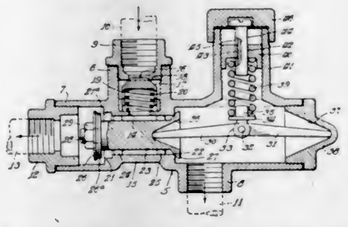
2,412,427
REFINING OF LOW-GRADE HYDROCARBON OILS
Elmer H. Records, Tacoma, Wash.
Application November 10, 1944, Serial No. 562,838
6 Claims. (Cl. 196—51)

1. The new method of refining low-grade hydrocarbon oils and which comprises the steps of pre-heating the oil to a temperature of between 400° F. and 700° F. depending upon the determined vaporization point and supplying this preheated stock to a retort in quantity sufficient to charge the latter to approximately one-third of its total capacity; sealing the charge and applying heat to develop a pressure condition of approximately 200 p. s. i. and then injecting a spray of supplementing hot oil through the produced gases while passing off and condensing such portion of the evolved vapors as becomes necessary to maintain said given pressure condition; terminating the spray injection as pressure drops off, and passing off and condensing the remaining vapors while continuing to apply heat; again sealing the oil contained in the retort and allowing pressure to build up to approximately 850 p. s. i., whereupon vapors evolved from such high-pressure treatment are passed off and condensed and the residue dropped to a subjacent holding tank held at a temperature approximat-



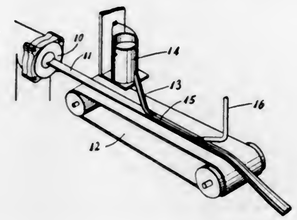
ing 600° F.; performing the described steps repetitively and, from the aggregate of the dropped residues, periodically drawing off the very heavy settlings; and repeatedly processing lighter portions of the dropped residues by performing cyclic operations of returning successive charges of said lighter portions to the retort, repressuring the same therein to an approximate 850 p. s. i., passing off and condensing the evolved vapors, and again dropping the residue from each said repressuring step to the holding tank.

2,412,428
UNLOADING DOUBLE CHECK VALVE
Edward A. Rockwell, Cleveland, and Jay M. Roth, Euclid, Ohio, assignors to Pesco Products Co., a corporation of Ohio
Application December 24, 1943, Serial No. 515,604
3 Claims. (Cl. 137—153)



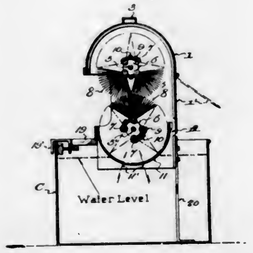
3. An unloading valve arrangement comprising a housing having inlet, outlet and unloading ports; an outward pressure check valve controlling said inlet port; valve seats in said housing at opposite sides of said inlet port; a double check valve unit arranged for reciprocal movement to alternately engage said seats thereby to control flow through said outlet port and said unloading port; spring loaded toggle means between said valve unit and a wall of said housing, said toggle means being effective to normally seat the unloading port valve, said seating being adapted to limit extensible movement of said toggle means; and cooperating masking surfaces on said outlet port and said outlet valve, said masking surfaces being effective to improve the positive opening characteristics of said unloading port valve.

2,412,429
STRIPING FLEXIBLE STRIP MATERIAL
Eugene L. Slingluff, Bath Township, Summit County, and Donald R. Scheu, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 20, 1944, Serial No. 519,034
5 Claims. (Cl. 18—61)



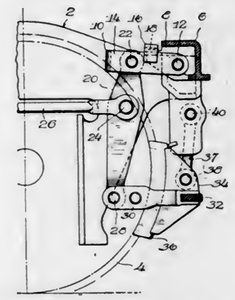
1. The method of striping a thermoplastic flexible strip material, which comprises extruding a continuous strip of the material through a heated die, advancing the strip material retaining heat from the extrusion operation adjacent to a nozzle, flowing from the nozzle a striping liquid comprising a fusible binder capable of adhering to the strip material and a volatile suspension medium, and depositing the liquid in a continuous band on the surface of the hot strip material, utilizing the heat of the strip material to dry the deposited liquid, and applying additional heat to the dried deposit to fuse it to the strip material.

2,412,430
VEGETABLE WASHER
Alfred G. Suelflow, Milwaukee, Wis.; G. I. Hansen, executor of said Alfred G. Suelflow, deceased, assignor to Felins Tying Machine Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 16, 1943, Serial No. 494,902
1 Claim. (Cl. 15—3.12)



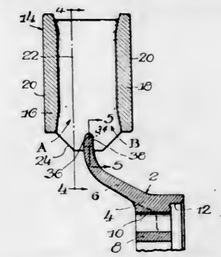
A vegetable washing machine having a casing provided with a support adapted for mounting upon a water tank, comprising stirrups projecting from the side walls of the washing machine casing, horizontally positioned arms slidably mounted in the stirrups, means securing the arms in an adjusted position in the stirrups; jaws at the outer ends of the arms for engagement with one edge of a water tank, and vertically disposed supporting legs adjustably secured to the casing of the washing machine adapted to rest upon the bottom of a water tank.

2,412,431
BRAKE ARRANGEMENT
Carl E. Tack and Norman Flesch, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 27, 1944, Serial No. 560,535
7 Claims. (Cl. 188—205)



1. In a brake arrangement for a railway car truck comprising a truck frame and a supporting wheel, the combination of a brake beam, a brake head carried thereby, a brake shoe supported by said head for engagement with said wheel, hanger means pivoted to said head and said frame to afford support for said beam, a fulcrum jaw on said beam, a truck lever pivoted at its lower end to said jaw, a link comprising spaced legs embracing a portion of said frame and pivoted thereto, said lever extending at its upper end between said legs and being pivoted thereto, operating means connected to said lever, and a bridge member connected to said legs and overlying a portion of said frame for abutment therewith to limit downward movement of said lever upon release of said operating means.

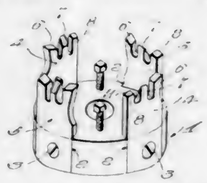
2,412,432
BRAKE ROTOR
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 26, 1945, Serial No. 590,393
15 Claims. (Cl. 188—218)



14. In a combination brake rotor and blower structure, a rigid annular support member, a rotor blower element cast on the outer perimeter of said member, said element comprising spaced friction plates and blades extending therebetween and secured thereto, each of said blades extending transversely of said member and having means slidably engaging the opposite sides of said member and the outer perimeter of said member and interlocked with said sides and perimeter, whereby radial expansion and con-

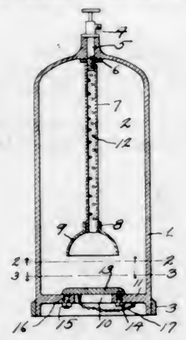
traction of said element relative to said support member is accommodated and relative axial and circumferential movement of said element and member is prevented.

2,412,433
CUTTER FOR RING GROOVING CUTTER HEADS
Andrew B. Taylor, Wauna, Oreg.
Application September 8, 1944, Serial No. 553,244
2 Claims. (Cl. 144—219)



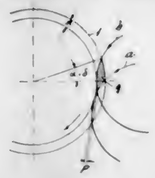
1. A groove forming cutter comprising a rotary cutter head carrying an annular series of groups of teeth arranged in successive order, each group embodying a front rake tooth, an intermediate cutter tooth, and a rear tooth shorter than the raker and forming a rider to engage the bottom of the groove being cut and to regulate the rate of cut of the blade, the cutter teeth of alternate groups of the series having cutting surfaces respectively facing inwardly and outwardly to form the inner and outer walls of an annular groove in the rotation of the cutter.

2,412,434
PRESSURE VESSEL
Albert T. Thompson, New Orleans, La.
Application February 8, 1944, Serial No. 521,585
1 Claim. (Cl. 225—17)



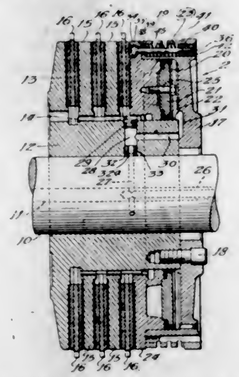
A chemical receiving receptacle, said receptacle having a filling opening in the bottom thereof, a discharge valve at the upper end of said receptacle, said discharge valve having a threaded extension extending partially into the upper end of the chamber of the receptacle, a downwardly extending perforated pipe threaded on said threaded extension of the valve, a lock nut on said threaded extension, and a cup shaped chemical receiving member carried by the lower end of the perforated pipe in inverted position and positioned adjacent the filling opening in the bottom of the receptacle, whereby when the receptacle is inverted chemical may be placed in the cup shaped member through the filling opening.

2,412,435
METHOD OF GRINDING
Sten Erik Axel Thomte, Vastervik, Sweden
Application July 26, 1944, Serial No. 546,612
In Sweden August 7, 1943
5 Claims. (Cl. 51—281)



5. A method of grinding a rotating work piece with a rotating grinding wheel having a curved grinding surface which comprises, moving the work piece and the grinding wheel in the same direction at the place of contact with the peripheral velocity of the work piece greater than that of the grinding wheel, and maintaining less than a 2:1 relation between an angle (δ) of an arc extending between two points where two immediately succeeding grains of the grinding wheel cut the circular circumference of the work piece and half of an angle (2α) of an arc extending between the two points where a single grain curve cuts the same circumference.

2,412,436
FLUID OPERATED CLUTCH
Harry H. Vanderzee, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin.
Application March 22, 1944, Serial No. 527,620
6 Claims. (Cl. 192—85)



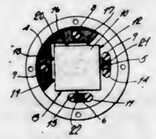
1. A fluid operated clutch comprising in combination, a hub, friction members having toothed connection with the hub and a separate rotary part, respectively, a ring member abutting one end of the hub and forming therewith an annular cylinder for receiving the fluid medium, an annular piston movable in the cylinder, a clutch pressure plate having toothed connection with the hub, the plate being piloted in the cylinder and movable in one direction by the piston, a plurality of bolts spaced around the plate, each having a head loosely fitting within a socket provided in the plate and having a shank extending loosely through and into a correspondingly positioned pocket in the member, and a helical

spring encircling each shank between an abutment thereon and the base of the associated pocket for shifting the plate in the opposite direction.

2,412,437
PRODUCTION OF UNSATURATED NITRILES
Cary R. Wagner, Utica, Ohio, assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 29, 1943, Serial No. 512,255
3 Claims. (Cl. 260—464)

3. A process for the preparation of an unsaturated aliphatic nitrile having the general formula $C_nH_{2n-1}CN$ where n is a small whole number greater than 1 and not greater than 6 which comprises passing a mixture of ammonia and an aliphatic aldehyde having the same number of carbon atoms as the nitrile to be produced into contact with chromium sesquioxide deposited on alumina at a temperature within the range of from 900 to 1300° F. for a contact time of less than 5 seconds.

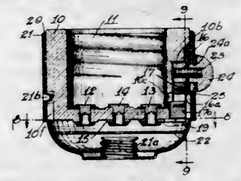
2,412,438
PIEZO-CRYSTAL HOLDER
Henry M. Bach, Lawrence, N. Y., assignor to Premier Crystal Laboratories, Inc., New York, N. Y., a corporation of New York
Application October 12, 1943, Serial No. 505,915
14 Claims. (Cl. 171—327)



1. A piezo crystal retaining arrangement comprising a pair of projections cooperating with one peripheral face of the crystal, a third projection cooperating with an opposite face of the crystal, the triangle defined by said projections having each of its interior angles less than 90°, another pair of projections cooperating with a second peripheral face of the crystal, and an additional projection cooperating with the peripheral face of the crystal opposite to said second face, the triangle defined by the last three mentioned projections having each of its interior angles less than 90°, all said projections being disposed so as to engage the corresponding lateral faces of the crystal only in a localized region determined by the nodal plane extending through the crystal transversely to said faces.

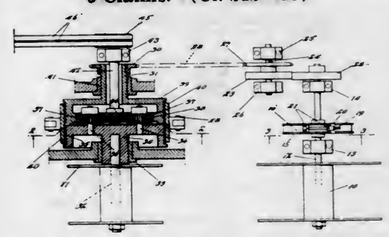
2,412,439
LAMP SOCKET WITH SIDE SWITCHING MECHANISM
Carl Bramming, Anderson, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application June 10, 1944, Serial No. 539,757
17 Claims. (Cl. 200—51.14)

6. A switch socket including in combination a base of insulating material having an end recess for receiving and supporting a lamp bulb having electric terminals, said base having a first side recess for switching mechanism, a cam mounted in said first side recess for reciprocatory movement axially of said socket, a switching member in said first side recess and having a projection pressing against said cam and restricted to reciprocatory movement axially of said socket, said first side recess opening outwardly through the side of said base and also axially through the end of said base remote from its said end recess, switch contacts spaced from each other and mounted on the said remote end of said base and ending in line with said first side recess, the interengaging portions of said cam and of said switching member effecting axial movement of said switching member in a direction opposite to the direction of axial movement of said cam, a removable casing surrounding said base, an operating button outside of said casing and connected with said cam, said casing having an axial slot therethrough for receiving said button connection, said base having electric contacts for engaging said bulb terminals, and socket



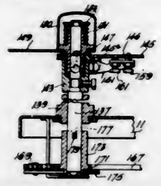
terminals in additional side recesses in said base spaced from each other and from said first side recess, said switch contacts having electrical connection with one of said base contacts and with one of said socket terminals respectively, and the other of said socket terminals having electrical connection with the other of said base contacts, said switching member in one of its positions electrically connecting said switch contacts and by movement to its other position breaking electrical connection between said switch contacts, said switching member comprising a metal strip bent into a U shape and a contact block carried by its mid-portion for engaging said switch contacts, said switch member having its side members on opposite sides of and for engagement with said cam.

2,412,440
PLANETARY DRIVE FOR WIRE SPOOLING DEVICES
Carl O. Bruestle, Rahway, N. J., assignor to Syncro Machine Company, Perth Amboy, N. J., a corporation of New Jersey
Application December 15, 1944, Serial No. 568,373
6 Claims. (Cl. 242—45)



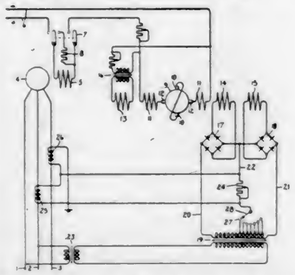
1. In a wire spooling device, in combination a pay-off reel, a take-up reel to which the wire is directly fed from said pay-off reel, a common driving means for said reels and a planetary transmission interposed between said common driving means and each of said reels to insure the maintenance of a constant tension upon the wire being unwound from said pay-off reel and wound upon said take-up reel, the pull of the wire upon said reels serving to determine the relative speeds thereof.

2,412,441
PHONOGRAPH
Benjamin R. Carson, Haddonfield, and Knut J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 28, 1939, Serial No. 286,988
18 Claims. (Cl. 274—10)



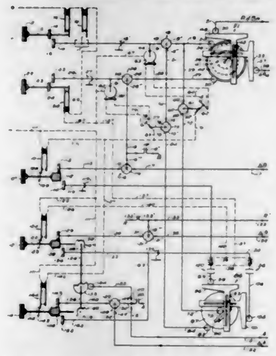
9. In an automatic phonograph of the type wherein a plurality of records are supported above the turntable to be successively released onto said turntable, the combination of a control device, an actuating member associated with said control device and arranged to be responsive thereto, a plurality of posts rotatably disposed about said turntable, a record supporting shelf carried by each of said posts above said turntable, said shelves extending from said posts a distance sufficient to support records of both relatively small and relatively large diameter whereby said records of different diameter may be stacked at random above said turntable, a record separating member adjustably carried on each of said posts and spaced from the associated shelf a distance equal approximately to the thickness of a record, said separating members also extending from said posts a distance sufficient to engage records of both diameters, means on said posts for adjusting said record separating members to records of different thicknesses, and means coupling said actuating member and said rotatable posts for rotating said posts upon movement of said actuating member in response to said control device to release a record from said shelves regardless of the diameter thereof.

2,412,442
REGULATOR SYSTEM
Frederick E. Crever, Scotia, N. Y., and Leonard C. Calder, Catonsville, Md., assignors to General Electric Company, a corporation of New York
Application July 1, 1943, Serial No. 493,084
9 Claims. (Cl. 172—246)



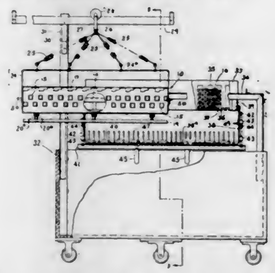
1. In combination, a three-phase alternating-current circuit, a synchronous dynamo-electric machine connected thereto, excitation controlling means for said synchronous machine including a pair of differentially acting control windings, individual rectifiers for each of said control windings, said rectifiers having alternating-current input terminals, a third winding across which the alternating-current input terminals of said rectifiers are connected in series, means for exciting said third winding in accordance with the voltage of said circuit, and means for inserting an alternating voltage responsive in magnitude and phase to the current in said circuit between the junction of the input terminals of said rectifiers and an intermediate point on said third winding.

2,412,443
COMPUTING FIRE CONTROL DATA
Raymond E. Crooke, New York, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application October 6, 1933, Serial No. 692,369
Renewed January 3, 1936
21 Claims. (Cl. 235—61.5)



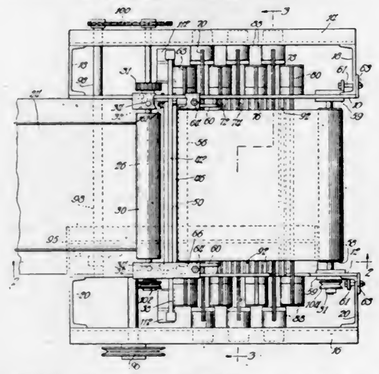
3. In a computing apparatus for use in gun fire control, a pair of mechanical vectors each representative of the course and speed of a target, component elements operatively related to each vector, common means for introducing estimated values of the course and speed of the target and thereby positioning both vectors, means for correcting the component elements related to one vector according to observed positions of the target and thereby repositioning that vector, and means under the control of the repositioned vector for correspondingly repositioning the other vector.

2,412,444
DOFFING AND DONNING APPARATUS
James H. Daughdrill, Dalton, and Robert F. Jessen, La Grange, Ga., assignors to Callaway Mills, La Grange, Ga., a corporation of Georgia
Application April 30, 1946, Serial No. 666,138
20 Claims. (Cl. 57—53)



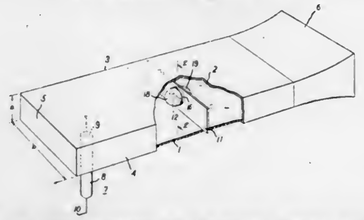
1. A doffing and donning apparatus for use with a textile machine having a spindle adapted to rotate a core mounted thereon to wind yarn on the core, which comprises a carriage mounted for vertical and horizontal movement, means on the carriage for supporting an empty core in vertical position, and means on the carriage for engaging a full core on the spindle and removing the full core from the spindle upon upward movement of the carriage.

2,412,445
APPARATUS FOR DECORTICATING FIBERS
Carl J. Delegard, Chicago, and Rudolph Kreutz, River Grove, Ill.
Application January 7, 1943, Serial No. 471,632
3 Claims. (Cl. 19—21)



3. Decorticating equipment including: feed rolls; a breaker mechanism; and a self-feeding scutching mechanism; and means for driving said rolls and mechanisms in synchronism; said scutching mechanism including a flexible belt overlying the path of the material; and a series of scutcher bars geared together to act seriatim in a predetermined sequence; each bar lying transverse to the path of movement of the material and having linear movement normal to its length in an eggshaped path, the upper portion of which brings the bar against the belt with a component of forward movement.

2,412,446
ULTRA HIGH FREQUENCY SYSTEM
Kenneth C. De Walt, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 31, 1942, Serial No. 464,036
10 Claims. (Cl. 178—44)

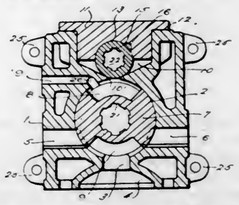


1. In combination, a dielectric wave guide of the hollow-pipe type having a transverse cross sectional configuration to permit the propagation of electromagnetic waves above a predetermined frequency therethrough, a wall within said guide and lying in a plane substantially transverse to the direction of wave propagation therethrough and having an aperture tuned substantially to a frequency equal to or greater than said predetermined frequency, and an enclosure for said aperture including a metallic member extending through said wall and surrounding said aperture and a pair of dielectric windows sealed to said member.

2,412,447
WORKING AND TREATING BE-CU ALLOYS
Matthew J. Donachie, Holyoke, Mass., assignor, by mesne assignments, to Berks County Trust Company, Reading, Pa., a banking institution of Pennsylvania
No Drawing. Application July 31, 1942
Serial No. 453,039
9 Claims. (Cl. 148—11.5)

1. The method of working and treating beryllium-copper alloys of the cold workable-precipitation hardenable type to impart thereto a cold workable structure capable of being repeatedly cold worked and recrystallized by heating to temperatures within the range 750–1040° F. without substantial alteration in structure, which comprises cold working the alloy when in its solution-annealed condition to strain harden the same materially, heat-treating the cold worked product at a temperature within the range 750–1060° F. for an extended time interval at least approximating 2 hours and slowly cooling the heat-treated product to atmospheric temperatures.

2,412,448
ROTARY VALVE AND LUBRICATING MECHANISM THEREFOR
John Paul Dunne, Seneca Falls, N. Y.
Application March 25, 1944, Serial No. 528,135
3 Claims. (Cl. 123—80)

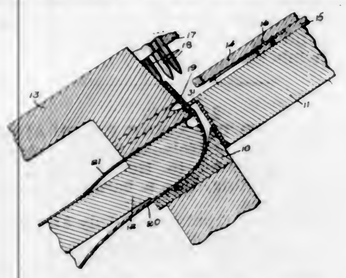


1. A block-like cylinder head provided in the bottom face thereof with a combustion chamber, a frusto-conical fuel control valve rotatably mounted in said head above said chamber with the axis thereof at a right angle to the axis of the chamber, a fuel distributing duct in said head between said chamber and valve and controlled by said valve, and means in said head above said valve to apply a film of oil to the periphery of the valve along the top thereof comprising a frusto-conical oil distributing roller above and parallel with said valve and mounted in said head to rotate on the valve, and means to flow oil against one side of said roller along said side, said valve and roller being oppositely coned relatively.

2,412,449
SHOEMAKING
Karl Engel, Swampscott, Mass.
Application October 2, 1943, Serial No. 504,726
15 Claims. (Cl. 12—1)

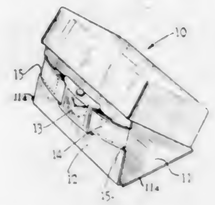
9. A machine for molding and uniting a vamp and insole, comprising a concave toe mold, a cor-

respondingly shaped toe die having a convex molding face and a flat top, a device for holding an insole in position upon the flat top of the toe die with the margin of the insole projecting be-



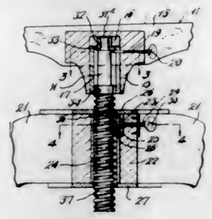
yond the contour of the flat top thereof, and a mold member with a U-shaped recess cooperating with said toe members in shaping both a vamp and the margin of an insole into conformity with each other.

2,412,450
DISPLAY BOX
Raymond E. Fink, East Haven, Conn., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application February 25, 1944, Serial No. 523,922
2 Claims. (Cl. 206—44)



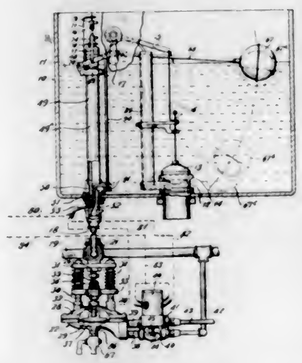
1. A container for the display of merchandise, said container being formed wholly of integral, yieldable sheet material and comprising a container proper having an open side; a closure panel for such open side hingedly connected to an edge of a certain panel of the container proper, said closure panel having a dimension parallel to the direction of its stated hinge greater than the parallel dimension of the interior of the container proper whereby said closure panel extends laterally at its opposite lateral end portions beyond the end panels of the container; and a display panel hingedly connected to the outer edge of said closure panel parallel to the line of the stated hinge of said closure panel with the said certain panel of the container proper, said display panel being dimensioned in direction parallel to the direction of its line of hinging with said closure panel slightly less than the parallel dimension of the interior of the container proper to effect frictional engagement with the inner faces of the stated end panels of the container proper, whereby said display panel is frictionally held in display position at the stage when the container as an entirety rests upon its said closure panel and whereby said display panel is held in suspended position interiorly of the container proper when said closure panel is moved to its closed positioned in engagement with the free edges of the panels of the container proper.

2,412,451
CHAIR CONSTRUCTION
Thomas W. Foote, East Cleveland, Ohio
Application November 16, 1942, Serial No. 465,646
3 Claims. (Cl. 155—95)



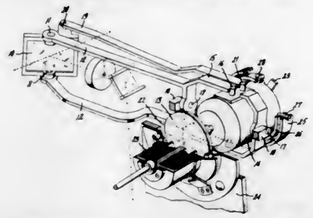
1. In a chair construction, a spider having a portion for supporting a seat and a portion provided with a downwardly facing cylindrical bore therein, a ring bushing secured in the upper end of said bore, a sleeve bushing secured in said bore with its upper end in contact with said ring bushing, a shaft extending into said sleeve bushing and of less diameter than the interior of the latter, a reduced portion extending from the upper end of said shaft, and a bushing secured on said reduced portion and rotatably engaging within said ring bushing and provided at its lower end with a radially extending flange engaging the lower side of said ring bushing.

2,412,452
FLUSH TANK CONTROL
Lee B. Green, Lakewood, Ohio
Application February 28, 1944, Serial No. 524,226
1 Claim. (Cl. 137—68)



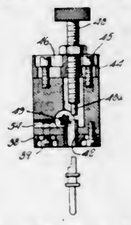
In combination, a flush tank, a conduit connected with said tank for supplying water thereto, a valve in said conduit, electrically controlled means for actuating said valve, a water-tight housing in said tank, a fitting extending through the wall of said tank and mounting said housing therein, said fitting having a passage connecting said conduit with the tank and a second passage leading into said housing, an electric switch in said housing and connected with said electrically controlled means by conductors extending through said second passage, and a float in the tank responsive to the water level therein and operatively connected with said switch.

2,412,453
GYROSCOPE
Charles S. Grimshaw, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application January 11, 1943, Serial No. 473,043. Divided and this application May 17, 1943, Serial No. 487,309
1 Claim. (Cl. 74—5)



In combination, a gyroscope, a rigid weighted ring secured to one end of said gyroscope and having its axis substantially coincident with the spin axis thereof, a second relatively flexible ring interposed between said first ring and said gyroscope, means pivotally connecting said rings together for pivotal relative movement on a diameter, means pivotally connecting said second ring to said gyroscope for movement on a diameter at right angles to said first-named diameter, said pivotally connecting means introducing frictional forces resisting the relative movement between said rings and between said second ring and said gyroscope, and resilient stop means for limiting the movement of said first ring relative to said gyroscope.

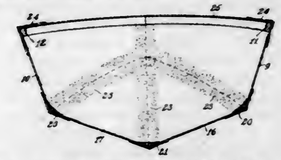
2,412,454
MILLING FIXTURE
Leon Hain, Brooklyn, N. Y.
Application August 16, 1944, Serial No. 549,763
3 Claims. (Cl. 90—11)



1. In a milling fixture, a supporting block, a plate carried by said block, a tool guide rotatably mounted in said plate and directed inwardly of said block, a second plate secured to said block, a guide bushing mounted in said second plate and projecting into said block for supporting a work piece engaged by a tool in said tool guide, a third plate secured to said block and adjustable stop means mounted in said third plate for limiting movement into said block of a work piece in said guide bushing.

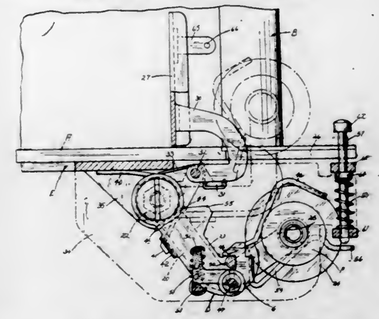
2,412,455
METHOD OF MAKING BOAT HULLS
Louis P. Hall, Jr., Morristown, N. J.
Application November 15, 1944, Serial No. 563,551
4 Claims. (Cl. 9—6)

1. The method of fabricating a boat hull out of flexible sheet material which comprises cutting the planking sections to the exact shape required to produce a particular hull out of said material, bringing the cooperating edges of said sections into engagement with one another and temporarily securing said sections to one another by applying across the outside of each joint between said sections a plurality of adhe-



sive tapes, permanently securing the cooperating edges of said planking sections together solely by filling and bridging the joints between said sections with fillets of adhesive material applied to the abutting planking sections, and removing the tapes after said adhesive material has hardened.

2,412,456
BOBBIN WINDER FOR SEWING MACHINES
Sidney J. Hamlett, Jr., Parma, Ohio, assignor to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 10, 1944, Serial No. 530,245
8 Claims. (Cl. 112—218)

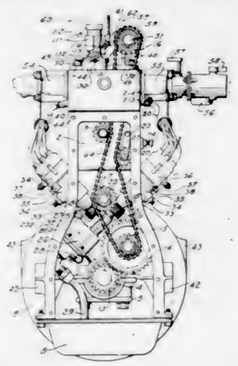


1. In a sewing machine, the combination of: a bed plate having an aperture therein, sewing mechanism including a movable element located underneath said bed plate; a bobbin winder assembly comprising a movable member, a shaft adapted to have a bobbin detachably secured thereto, means for rotatably supporting said shaft in said movable member, and a driven element fixed to said shaft and adapted to be moved into and out of driven engagement with said movable element; means for movably supporting said bobbin winder assembly underneath said bed plate for movement of said shaft to a position beneath the bed plate with said driven element in operative engagement with said movable element or outwardly through said aperture to a position above said bed plate where it is accessible to have a bobbin removed therefrom or placed thereon; and a movable cover for said aperture which when in closed position maintains said shaft below said bed plate.

2,412,457
VALVE ACTUATING MECHANISM
Laurence D. Harrison, Maricopa County, Ariz.
Application August 25, 1941, Serial No. 408,143
5 Claims. (Cl. 123—90K3)

2. An internal combustion engine having a cylinder with a head, a rotative drive shaft, a

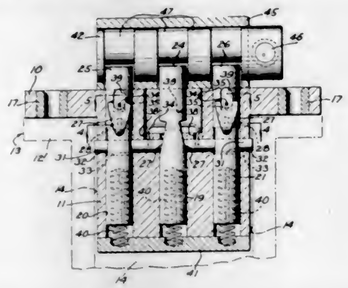
piston operable in said cylinder and operable to rotate said drive shaft, means to exhaust said cylinder, an intake valve operable in conjunction with said cylinder, a cam operable to open and close said intake valve in conjunction with an interposed lever valve lifter, a pivotally supported eccentrically positioned journal adapted to rotative movement within a predetermined arc and operable to swingably support and laterally move the lever valve lifter, said lever valve lifter comprising a lever swingably supported on said journal and operable in conjunction with said cam and adapted to maintain operative contact with the lobe of said cam throughout varying degrees of said cam rotation during the receding movement of said lifter by changing the position



of said supporting journal relative to the axis of rotation of said cam, the lever portion of said lifter extending from said journaled end having a flat cam contacting surface for primary engagement with the lobe of said cam and during the lifting of said lever valve lifter and a curved arcuate cam contacting surface deviating therefrom in the direction of cam rotation for engagement with said cam lobe during the receding movement of said lifter and a flat portion on the opposite side from said flat cam contacting surface and in a plane parallel therewith adapted to transmit said cam lobe action to said intake valve, engine temperature responsive means operatively connected with said cam to vary the degree of cam action on the lifter during the receding movement of said lifter.

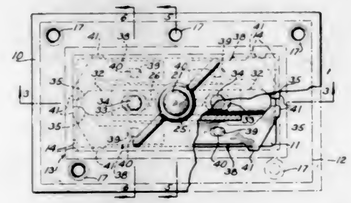
2,412,458
TOOL GUIDING FIXTURE
Ray C. Kivley, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York.
Application November 6, 1943, Serial No. 509,165
4 Claims. (Cl. 77—62)

1. A combined template and drill jig for use in locating points to be drilled in an end face of a tubular part relative to the bore thereof comprising a template for mounting on an end face of a part, said template having apertures corresponding in arrangement to the points to be drilled, means depending from said template adapted to freely enter the bore of the part, a plurality of sets of elements movable on said means to engage angularly disposed faces of the bore, an individual member for moving each set of elements, said members being laterally spaced apart and movable simultaneously in the same direction, and means including a common actuator for simultaneously moving said members and thereby said elements of each set like distances



effective to predeterminedly position the jig relative to the faces of the bore and clamp the same to the part.

2,412,459
TOOL GUIDING FIXTURE
John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York.
Application November 6, 1943, Serial No. 509,166
2 Claims. (Cl. 77—62)

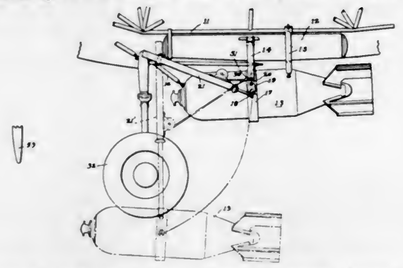


1. A combined template and drill jig for use in locating points to be drilled in an end face of a tubular part relative to the bore thereof comprising a template for engaging an end face of a part, said template having apertures corresponding in arrangement to the points of drilling, means depending from said template adapted to freely enter the bore of the part, a plurality of angularly shaped positioning fingers arranged in pairs on said means for entering the bore and individually engageable with angularly disposed faces of the bore, the fingers of each pair being individually mounted for a combined sliding and rocking motion on said means, an individual actuator intermediate each of said pair of fingers for actuating the same, and a common control member intermediate said actuators effective to simultaneously operate said actuators to cause said pairs of fingers, upon being actuated, to centralize the jig relative to the bore of the part.

2,412,460
BOMB DISPLACING GEAR
John G. Lee, Farmington, Conn.
Application December 17, 1935, Serial No. 54,901
8 Claims. (Cl. 89—1.5)

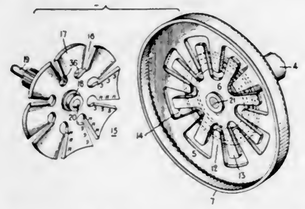
8. Bomb releasing gear, comprising a pair of extensible arms swingably mounted upon an aircraft, a bifurcated terminal member carried by each of said arms operatively to engage a bomb, and a spring in each arm to press said bifurcated

member resiliently into engagement with the coacting element on the bomb, and means to



extend said arms when swung away from the aircraft.

2,412,461
SYNCHRONOUS MOTOR
John R. Macintyre, South Peabody, Mass., assignor to General Electric Company, a corporation of New York
Application May 25, 1945, Serial No. 595,723
9 Claims. (Cl. 172—278)



1. An electric motor structure comprising cooperating stator and rotor members the stator member having a magnetic circuit provided with an air gap formed between two equally numbered sets of pole pieces, one set extending radially inward and the other set extending radially outward in the same plane perpendicular to the axis of rotation of the motor with the pole pieces of one set interleaved between the pole pieces of the other set, said pole pieces being sector-shaped and of a radial length at least three times their mean peripheral width, a single-phase alternating-current coil for producing a flux in the magnetic circuit such that when the pole pieces of one set are at one polarity the pole pieces of the other set are of the opposite polarity, said pole pieces being uniformly spaced and symmetrically distributed about the axis of rotation, the rotor including a magnetic member mounted for rotation in a radial plane closely adjacent to the radial plane occupied by said pole pieces, the effective air gap between said rotor member and said pole pieces being less than the effective air gap between the pole pieces whereby flux passing between the adjacent stator pole pieces of opposite magnetic polarity does so primarily through said rotor member.

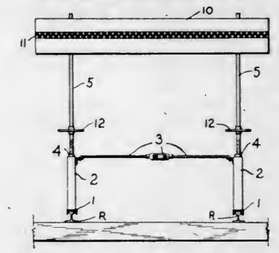
2,412,462
RESISTOR CONSTRUCTION
Jesse Marsten, Philadelphia, Pa., assignor to International Resistance Company, Philadelphia, Pa., a corporation of Delaware
Application April 5, 1944, Serial No. 529,593
11 Claims. (Cl. 201—65)

2. A fluid-cooled resistance device comprising a tubular resistance element formed by a tube of dielectric material having a coating on its inner surface of resistance material, a pair of metallic coatings on the outer end portions of said tube and forming annular contact surfaces, said me-



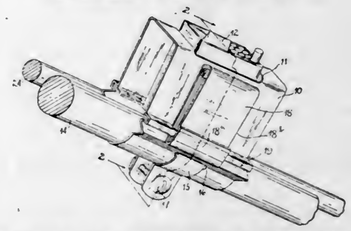
tallic coatings being connected to the end portions of said coating of resistance material, and a pair of metallic caps fitting over and sealed to said metallic coatings, said caps having end holes for connection to a water supply.

2,412,463
RAIL LEVELING DEVICE
James William McDaniel, Hayward, Calif.
Application January 15, 1945, Serial No. 572,808
2 Claims. (Cl. 33—74)



1. A track gauge comprising a pair of rail supported upstanding brackets having tapped heads at the top, rod-like standards adjustably threaded through and upstanding from the heads, collars fixed on the standards below their upper ends, sleeves mounted on the standards and seated on said collars, a target extending between and secured to said sleeves, said sleeves, loosely turnable on said standards whereby the target may tilt a predetermined amount relative to the standards without binding the sleeves against said standards.

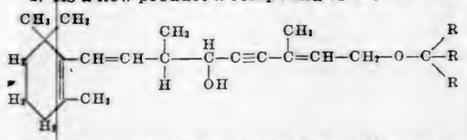
2,412,464
CIGARETTE AND SAFETY MATCH HOLDER
Michael Mayer, Cleveland, Ohio
Application November 6, 1944, Serial No. 562,076
8 Claims. (Cl. 206—19.5)



1. A holder for a package of cigarettes comprising an inverted, U-shaped member provided at the top with an opening adapted to receive a package of cigarettes and at the bottom with a plurality of openings, said holder having at the bottom a pair of arcuately-shaped portions adapted to envelop a steering column or the like of an automobile, and a clamp extending through said openings in the lower portions of the holder and adapted to press the arcuately-shaped portions against the column.

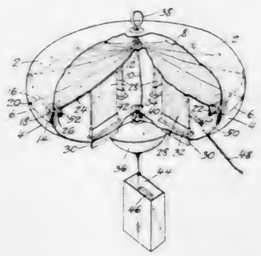
2,412,465
SYNTHESIS OF ETHERS OF VITAMIN A
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 17, 1945, Serial No. 573,313
12 Claims. (Cl. 260—611)

1. As a new product a compound of the formula



in which R stands for a member of the group consisting of hydrogen and hydrocarbon groups.

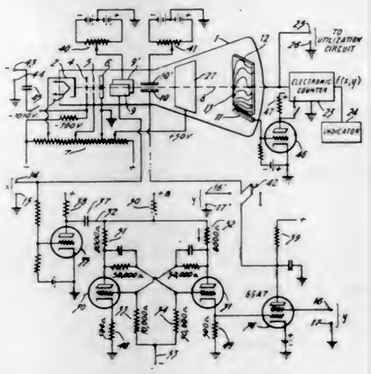
2,412,466
INFLATABLE FLOATING SOLAR STILL WITH CAPILLARY FEED
William H. Miller, Jr., South Orange, N. J., assignor to Gallowhur Chemical Corporation, a corporation of Vermont
Application December 24, 1943, Serial No. 515,601
2 Claims. (Cl. 202—234)



1. In solar distillation apparatus an inflatable envelope adapted to float upon the surface of liquid to be distilled, an evaporator pad located within said envelope, said envelope having a transparent portion positioned to expose said evaporator pad to solar radiation through the transparent portion when the apparatus is floating upon the surface of liquid to be distilled, wicking connected to said evaporator pad and projecting through a wall of the envelope into position to contact liquid upon which the apparatus floats to conduct liquid to said pad, and means for restricting the opening in the envelope through which said wicking extends to an extent which will prevent the escape of air from the envelope while permitting flow of liquid through the wicking by capillary attraction.

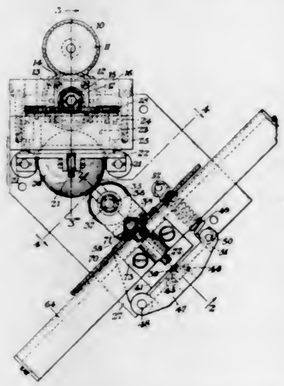
2,412,467
ELECTRONIC COMPUTER
George A. Morton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1945, Serial No. 590,849
5 Claims. (Cl. 235—61)

3. The combination of a target having secondary electron emissive marks representative of a function of a plurality of variables, means for forming a cathode ray, means for biasing said ray to a reference point near said target, means responsive to a voltage having an amplitude proportional to a selected value of one of said variables for moving said ray along one edge of said target, means responsive to a voltage of an amplitude proportional to a selected value of another of said variables for moving said ray across said secondary electron emissive marks, means



responsive to said movement of said ray across said marks for establishing a representation of a value of said function predetermined by the selected values of said variables, means for interrupting said ray during its return to said reference point, and means responsive to said ray at said reference point for erasing said representation.

2,412,468
VARIABLE SPEED DEVICE
William H. Newell, New York, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application May 5, 1945, Serial No. 592,136
17 Claims. (Cl. 74—198)



1. A variable speed device comprising a ball, a driving roller engaging the surface of said ball and driving the same at a controlled rate, a steering roller engaging the surface of said ball and mounted for orientation of its axis of rotation about an axis extending through the center of said ball and the point of contact of the surface of said ball with said steering roller, input means

to control the orientation of the axis of said steering roller, a plurality of confining rollers engaging the surface of said ball with their axes of rotation lying in the same diametrical plane of said ball, and an output member carrying said confining rollers and mounted for rotation about a diameter of said ball normal to said plane and lying in the diametrical plane of said ball containing the points of contact of the surface of said ball with said first rollers.

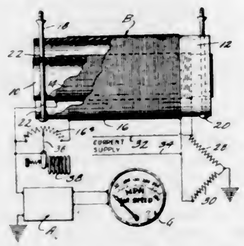
2,412,469
TRIETHYLENE GLYCOL DIHEPTOATE
Leonard Nicholl, Nyack, and William P. Bitler, Haverstraw, N. Y., assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y., a corporation of New York
No Drawing. Application November 16, 1943, Serial No. 510,570
1 Claim. (Cl. 260—488)

Triethylene glycol diheptoate.

2,412,470
PRODUCTION OF WATER-REPELLENT MATERIALS
Francis J. Norton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application February 22, 1943, Serial No. 476,767
8 Claims. (Cl. 117—106)

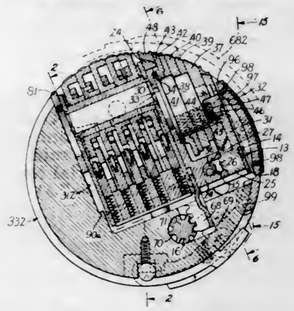
1. The process of treating a solid body to render it water-repellent which comprises contacting said body with a composition containing, as the active ingredient thereof, a mixture consisting substantially of from about 2.8 to 99.2 per cent by weight of trimethyl silicon chloride and about 97.2 to 0.8 per cent by weight of silicon tetrachloride based on the weight of the mixture.

2,412,471
AIR-SPEED RESPONSIVE DEVICE
Kenneth W. Olson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 2, 1943, Serial No. 493,316
6 Claims. (Cl. 73—204)



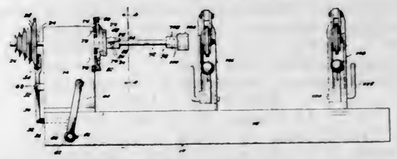
1. In an air speed responsive device of the character disclosed, a pair of tubular sensing elements arranged one within the other so that they are differently subjected to flow of air at the same velocity over both elements, means for energizing said sensing elements, and means connected with said pair of sensing elements to respond to the ratio of ohmic resistance thereof as changed by the difference of impact and friction heating forces of the air on the respective elements.

2,412,472
POSTAGE PRINTER
Commodore D. Ryan, Los Angeles, Frank P. Sager, Alhambra, and Ernest R. Bergmark, Los Angeles, Calif., assignors to Commercial Controls Corporation, a corporation of Delaware
Original application April 29, 1940, Serial No. 332,305. Divided and this application August 13, 1942, Serial No. 454,686
5 Claims. (Cl. 101—91)



4. In printing mechanism of the character described, in combination, a rotatable printing drum, a major frame mounted in said drum for movement to or from printing position, a shaft mounted on said frame substantially at right angles to the axis of rotation of said drum, said shaft having a series of bearing surfaces formed thereon eccentrically positioned with respect to each other, the position of the portions of said bearing surfaces nearest the cylindrical surface of said drum being on an arc which substantially follows the curvature of the circumference of said drum, a series of printing wheels rotatably mounted on said bearing surfaces, the printing surfaces of said wheels following the curvature of the circumference of said drum, and means for moving said major frame to or from printing position.

2,412,473
DYNAMIC AND STATIC BALANCING MACHINE
Earl L. Schnoebelen, Rock Island, Ill.
Application May 14, 1940, Serial No. 335,167
1 Claim. (Cl. 73—66)



A machine for determining the dynamic balance of a body in rotation which comprises a base, supports carried by said base, means for rotatably supporting a body which comprises a pair of cradles, a pair of rigid links pivotally connected to each cradle, said links being pivotally connected to said supports to form a swingable carriage for said body, means for rotating said body, a pair of electrical contacts, one mounted upon each of said swingable carriages, a pair of stationary cooperating electrical contacts respectively, juxtaposed with respect to said first-mentioned contacts, a low tension electrical circuit connected to said contacts whereby vibratory movement of said carriage makes and breaks

said low tension circuit, a high tension electrical circuit controlled by the rate of change of current in said low tension circuit, a synchronous indicating means rotatable substantially coaxially with said body, said high tension circuit being connected through said indicating means whereby breaking of the low tension circuit produces a visual indication on said indicating means, and means for adjusting said stationary contacts to cause a pair of said contacts to complete the primary circuit only when said cradles vibrate at their maximum amplitude.

2,412,474

DEVICE FACILITATING WALKING ON MUD

Hubert Scott-Paine, Greenwich, Conn., and Alfred George William Hall, Montreal, Quebec, Canada; said Hall assignor to said Scott-Paine

Application May 8, 1945, Serial No. 592,548
8 Claims. (Cl. 36—7.5)



1. Devices adapted to be attached to the feet for walking on mud, each having a water-tight shell having a bottom portion provided with a transversely extending step formation, side and rear portions upwardly and outwardly extending from said bottom portion, and means attached to the inside of said bottom portion for securing said shell to a foot of the wearer.

2,412,475

TREATMENT OF ACRYLIC ESTER POLYMERS

Stephen T. Semegen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 25, 1945, Serial No. 624,583
18 Claims. (Cl. 260—83)

1. The process of curing a plastic polymer of an ester of acrylic acid, which comprises heating said polymer with from 2 to 25% by weight of an alkali metal salt of stannic acid.

2,412,476

TREATMENT OF ACRYLIC ESTER POLYMERS

Stephen T. Semegen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 25, 1945, Serial No. 624,586
18 Claims. (Cl. 260—83)

1. The process of curing a plastic polymer of an ester of acrylic acid which comprises heating the polymer with from 2 to 25% by weight of an alkali metal salt of vanadic acid.

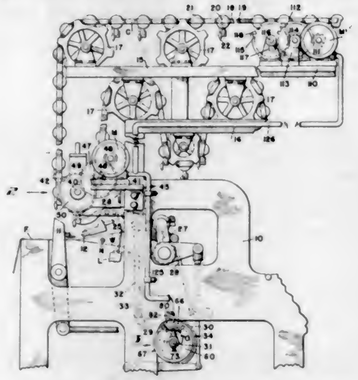
2,412,477

PULL-OVER SHAFT DRIVE FOR AXMINSTER LOOMS

Victor F. Sepavich, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application January 19, 1946, Serial No. 642,294
17 Claims. (Cl. 139—7)

1. In an Axminster loom having a tube frame transporting system part of which has periods of activity for advancing tube frames alternating with periods of inactivity during which the tube frames are detached one at a time from the system, a part moving in timed relation with the loom, an electric motor operatively connected to said part of the transporting system, and electric



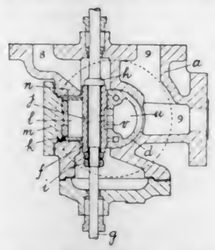
control means for the motor operated by said second named part and causing said motor to run to cause said system to have said periods of activity and causing said motor to stop to cause said system to have said periods of inactivity.

2,412,478

STEAM ACTUATED PILOT CONTROLLED DISTRIBUTION VALVE FOR STEAM ENGINES

James Sim, Cathcart, Glasgow, Scotland, assignor to G. & J. Weir, Limited, Glasgow, Scotland, a corporation of Great Britain

Application December 28, 1944, Serial No. 570,183
In Great Britain January 8, 1944
2 Claims. (Cl. 121—157)



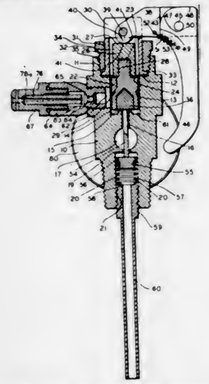
1. In a steam distribution valve of the type referred to, the combination with a valve casing having a steam port and an exhaust port, of a shuttle valve operative in said casing and provided with steam inlet and exhaust ports and an exhaust cavity, an auxiliary valve slideable on the back face of said shuttle valve, leaving an exhaust space between the back of said shuttle valve and said casing, said auxiliary valve being provided with holes adapted to communicate with said exhaust cavity, a cover for said exhaust space, and a floating ring bounding said exhaust space laterally, one end of said ring bearing on the back face of said auxiliary valve, said ring being in engaging relation with said cover, the effective cross-sectional area bounded by said ring being approximately equal to the exhaust port area of said shuttle valve.

2,412,479

QUICK-ACTION GAS VALVE

Oris J. Smith, Cleveland, Ohio, assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application October 15, 1942, Serial No. 462,450
2 Claims. (Cl. 251—132)



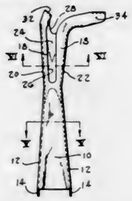
1. Quick opening valve mechanism for controlling gas delivery, comprising a valve block having a passageway therethrough surrounded at one end by a valve seat, means adapting said block to have connection of the passageway with a source of gas under pressure, a chamber formed in the block extending to and about said valve seat, a metal plunger in the chamber, a plug of softer metal in the plunger for engaging the valve seat, a spring in the passageway, a thrust pin having contact with the plunger actuated by the spring which engages the plunger and tends to force it away from the valve seat, said plunger having a part extending out of one end of the valve block, an elongated handle having cam engagement with said extended end of the plunger for moving the same to cause closure of the valve, and a metal diaphragm sealed to the plunger and the valve block for preventing escape of gas from the chamber, all sealing means in the valve casing being effected by metal to metal contact.

2,412,480

FORM FOR TYING NECKTIES

Frank K. Stehle, Philadelphia, Pa.

Application June 27, 1944, Serial No. 542,307
6 Claims. (Cl. 2—150)



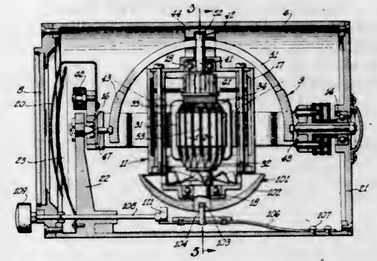
1. A form for tying the knot of a necktie, said form including side, front and rear walls defining a hollow body open at its top and bottom, a wall structure defining a guide opening near the top, and to one side of said body, and a wall structure defining an elongated, hollow guide member disposed at an angle to, and extending from the opposite side, of the top of said body, there being a slot in the upper portion of the front wall of said body communicating with said guide opening, said guide member, and the interior of said body.

2,412,481

FRICTION-ACTUATED ERECTING MECHANISM

Thomas O. Summers, Jr., Los Angeles, Calif.

Application October 22, 1942, Serial No. 462,943
14 Claims. (Cl. 74—5)



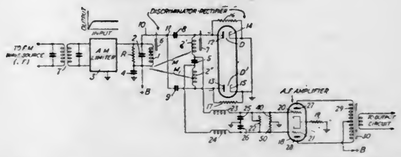
1. A gyro-vertical construction comprising a casing, a rotor journaled therein, spinning means therefor, a gimbal supporting said casing for oscillation about axes perpendicular to each other, and erecting means comprising a normally vertical pin revolubly mounted on said casing, rotating means therefor, and a pair of masses freely mounted independently of each other for oscillation under the influence of gravity about mutually perpendicular axes, each of said masses having a slot therein extending in a plane passing through the axis of oscillation thereof and said pin being loosely embraced within both of said slots, said masses being substantially in equilibrium when said pin is vertical but being displaced from position of equilibrium when said pin is removed from the vertical whereby they are pressed by gravity into drag-exerting relationship with the rotating pin and thereby generate an erecting torque acting on said casing.

2,412,482

DISCRIMINATOR-RECTIFIER CIRCUITS

Benjamin S. Vilkomerson, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

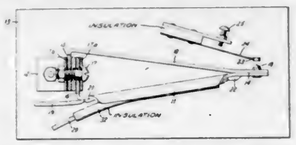
Application August 10, 1944, Serial No. 548,854
8 Claims. (Cl. 250—27)



1. In a discriminator-rectifier circuit, a first resonant circuit comprising a coil and a pair of series-connected condensers arranged in shunt with the said coil, a second resonant circuit having a normal frequency equal to the normal frequency of the first resonant circuit, means reactively coupling said two resonant circuits, conductive means connecting one side of said second circuit to the junction of said pair of condensers, a first diode rectifier having its anode connected

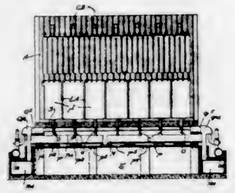
to one end of said coil, a second diode rectifier having its anode connected to the opposite end of said coil, an isolation condenser interposed between sections of said coil, a first load resistor connected in shunt to one of said rectifiers, a second load resistor connected in shunt with the second rectifier, means for establishing the cathode ends of both of said load resistors at ground potential, and a separate rectified voltage utilizing means connected to the anode end of each load resistor.

2,412,483
THERMAL PROTECTIVE DEVICE
Albert R. van C. Warrington, Wallingford, Pa., assignor to General Electric Company, a corporation of New York
Application July 22, 1943, Serial No. 495,706
13 Claims. (Cl. 200—113)



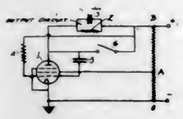
11. A thermal protective device comprising two juxtaposed bars of metal having substantially the same temperature coefficients of expansion, said bars being positioned longitudinally to form an acute angle and one of said bars having a generally U-shaped cross section with the convex surface toward the other bar, a rigid connection between said bars at each of the adjacent ends thereof, the connection at the spaced end of the bars comprising means for electrically insulating the spaced ends, means for preventing movement of the spaced end connection, and means for directly heating the U-shaped bar in accordance with the current in the circuit to be protected to effect lateral movement of the other end connection of the bars in response to a difference between the temperatures of the bars including a conductor lying within the concavity of the U-shaped bar and connected to the free end thereof.

2,412,484
UNDERFIRED REGENERATIVE COKE OVEN WITHOUT SOLE CHANNELS
Frans Wethly, Manhasset, N. Y.
Application December 29, 1942, Serial No. 470,455
8 Claims. (Cl. 202—141)



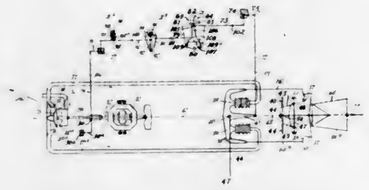
1. A regenerative, underfired coke oven battery, comprising a masonry oven and regenerator structure formed with horizontally elongated coking chambers extending transversely of the battery and with heating walls alongside the coking chambers and having vertical flues and with regenerators beneath said chambers and heating walls and connected to the flues above them, supporting means for said structure comprising a foundation underlying and spaced away from the underside of said structure and a plurality of horizontally distributed portions extending upward from the foundation into supporting engagement with said structure, a horizontal heat insulating wall dividing the space between said structure and foundation into an upper air space and a lower basement space forming a passageway extending transversely of the battery for substantially its full width and adapted for the use of battery attendants, a plurality of horizontal pipes located in said air space and extending transversely of the battery and each having a plurality of uprising branches distributed along its length and respectively connected to adjacent regenerator portions displaced from one another transversely of the battery, means for alternately supplying a combustion agent to and withdrawing products of combustion from the different regenerator portions through said pipes, said means being arranged to pass the combustion agent through each of said pipes during regenerator reversal periods alternating with reversal periods in which products of combustion are withdrawn from the last mentioned regenerator portions and arranged to pass the combustible agent through each of said pipes during reversal periods in which products of combustion are being withdrawn through an adjacent pipe, whereby temperature differences between said pipes are reduced by the transfer of heat through said air space from the more highly heated to the less highly heated pipes.

2,412,485
SAW-TOOTH VOLTAGE GENERATOR
Joseph William Whiteley, London, England, assignor to A. C. Cossor Limited, London, England, a British company
Application February 5, 1943, Serial No. 474,777
In Great Britain February 17, 1942
8 Claims. (Cl. 250—36)



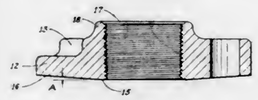
1. In a sweep voltage generator, a vacuum tube amplifier comprising at least a cathode, an anode, a first control grid near said cathode, a second control grid near said anode and a screen grid interposed between said first and second control grids, input and output circuits including an anode load impedance and means to provide a relatively high steady positive bias potential upon said first control grid, to cause the anode potential to decrease from an initial high value to a low limit value, a feedback interconnecting said output and input circuits and including a condenser and a resistance in series to produce a potential upon said first grid during the sweep of the anode potential varying in accordance with the rate of change of the anode potential and being nearly equal to and applied in opposition to said grid bias potential, a condenser connected between said screen grid and said second control grid, a resistive load impedance connected to said screen grid and designed to produce a sudden high negative potential upon said second control grid at the completion of the anode sweep whereby to raise the anode potential to its initial value.

2,412,486
STEERING DEVICE FOR AIRCRAFT OR OTHER VESSELS
Walter Gordon Wilson, Martyr Worthy, near Winchester, Hampshire, England
Application November 17, 1942, Serial No. 465,880
In Great Britain May 23, 1941
21 Claims. (Cl. 114—144)



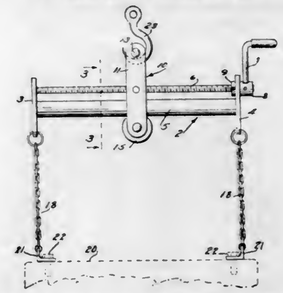
1. In an automatic mechanism for checking and rectifying any deviation off-course of airborne craft or other vessels or projectiles such as for example aerial torpedoes, the combination of a pivoted rudder, a pivoted tiller lever for operating the rudder, a pair of servo-motors to swing the tiller lever on its pivot one way or the other and thus actuate the rudder, means for supplying pressure fluid to the servo-motors, a gyroscope controlled interceptor valve normally occupying a stabilized position and operable to interrupt the air supply to one of the servo-motors and admit air supply to the other when a deviation occurs, and a mechanical follow-up mechanism forming a delay action train extended between the tiller lever and the interceptor valve to stabilize the valve after it has been initially operated to pass air to one of the servo-motors by a commencing deviation to adjust the helm and correct such deviation, said follow-up mechanism including a movement damping element, an inertia element operatively connected and combined with the damping element, incoming and outgoing transmission members connected to the tiller lever and interceptor valve respectively, and means connecting the transmission members to the combined inertia and damping elements so that they resiliently cooperate.

2,412,487
THERMOPLASTIC PIPE FLANGE
Oliver B. Amley, Bay City, and John B. Gregory, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 3, 1944, Serial No. 516,766
2 Claims. (Cl. 285—137)



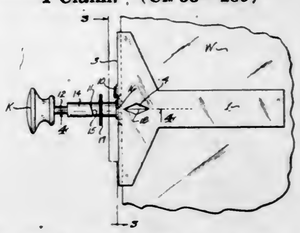
1. A thermoplastic pipe flange adapted to be joined by means of bolts to a complementary flange, the first said flange having a central bore and a working face, the inner portion of which adjacent the bore is a plane perpendicular to the axis of the bore and the outer portion of which is inclined in the direction of the body of the flange at an angle of about 1° to about 5° from said plane surface.

2,412,488
ENGINE LIFTING HARNESS
Harley O. Austin, Phoenix, Ariz.
Application September 28, 1945, Serial No. 619,205
2 Claims. (Cl. 294—78)



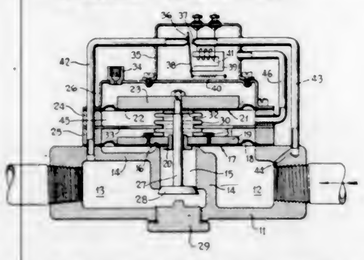
1. A lifting harness for pulling engines from chassis frames, comprising in combination, a frame having a longitudinally extending member with end blocks secured to the ends thereof, attaching chains in the lower portions of said end blocks, a longitudinally extending screw journaled in the upper part of said end blocks, and a cage operative along said longitudinal frame member having means in its upper portion to receive a hoist hook, and a threaded block operatively engaging said screw, whereby said cage can be moved along said frame by turning movement of said screw.

2,412,489
SPOT GAUGE
Herman Bieg, St. Louis, Mo.
Application May 5, 1944, Serial No. 534,191
1 Claim. (Cl. 33—189)



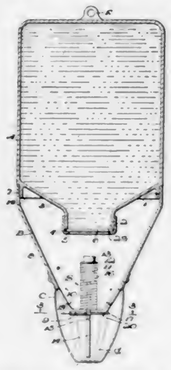
A spot gauge comprising a member provided with a sight opening and a second member forming a right angle with said first member, a slidable portion on the rear face of said second member, a measuring scale mounted on said second member, an indicator mounted on the slidable portion and movable therewith through a slot in the second member, a tubular member rigidly mounted on said slidable portion and movable therewith through an aperture in said second member, a housing for said tubular member, said housing being bisected by a curving cut and one section of said housing being rigidly secured to said tubular member while the other section is rotatable about said tubular member, so that said curving cut affords camming action when a section of said housing is rotated about said tubular member for retaining said slidable portion at a predetermined position, and an element terminating in a sharp point and adapted for forward and backward movement within said tubular member for making a mark on the article to be spotted at a point in alinement with said indicator.

2,412,490
FLUID CONTROL VALVE
Laurence C. Biggle, Altadena, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application April 26, 1944, Serial No. 532,795
5 Claims. (Cl. 137—144)



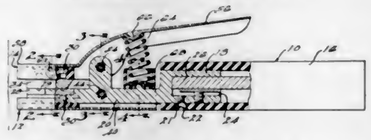
1. In a fluid control device: a casing having a partition dividing it internally to form an inlet and an outlet chamber, said partition having a port opening therethrough interconnecting said chambers; a first flexible diaphragm member closing an opening through a casing wall of said inlet chamber and having a portion forming a first closure cooperable with the inlet end of said port opening and biased theretoward; a second flexible diaphragm member at the side of said first diaphragm member away from said inlet chamber; means defining with said diaphragm members a pressure chamber therebetween; a second closure operatively connected to said second diaphragm member and cooperable with the outlet end of said port opening; and means, including pilot valve means, for fluidly connecting said pressure chamber with said inlet chamber in one position of the pilot valve means, and with said outlet chamber in another position of the pilot valve means; the arrangement of said closures being such that, with decrease of pressure in said pressure chamber, both of the closures tend to open.

2,412,491
FIRE EXTINGUISHER
Earle F. Angell, Richmond, Va., assignor to Edgar C. Bothwell, Jr., Richmond, Va.
Application July 22, 1944, Serial No. 546,103
1 Claim. (Cl. 169—26)



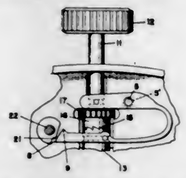
A fire extinguisher, comprising, a non-breakable chemical storage container including a tubular side wall, a downwardly inclined bottom wall integral therewith, an annular neck at the lower end of said bottom wall, said neck having external threads, a cover ring having internal threads for engaging said external threads of the neck, a frangible seal secured to the open end of the neck by the cover ring, an annular collar integral with the junction of the tubular side wall and the downwardly inclined bottom wall and disposed as a dependent continuation of said side wall, said collar being externally threaded, a frusto conical hood having a perforated bottom portion and an upper internally threaded flange for detachably engaging the external threads of the collar, a smasher slug supported in the hood, and fusible means cooperating with the hood and slug to hold said slug poised for automatic release to break said seal.

2,412,492
WELDING ELECTRODE HOLDER
Edward Brazitis, St. Clair Shores, Mich.
Application January 11, 1945, Serial No. 572,322
12 Claims. (Cl. 219—8)



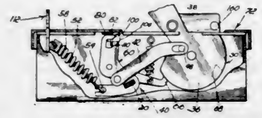
1. In a welding electrode holder, a current conducting member having a current conducting cable directly attached thereto and terminating with a clamping jaw, electrical insulating material at least partially covering said current conducting member, a metallic channel member at least partially covering said electrical insulating material, a bushing of electrical insulating material recessed in said current conducting member and forming a part of a fastening means for securing together said metallic channel member, said electrical insulating material and said current conducting member, said fastening means being constructed and arranged so as not to form an electrical path from said current conducting member to said metallic channel member.

2,412,493
TIMEPIECE SETTING MECHANISM
Elis Fedor Carlstrom, Lancaster Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application April 23, 1945, Serial No. 589,864
1 Claim. (Cl. 58—68)



In a timepiece, a pillar plate, a manually operable winding and setting stem rotatably and slidably mounted in said pillar plate, said stem being formed with an annular groove, a mainspring winding pinion carried by said stem, a setting gear mounted on said pillar plate, a clutch slidably mounted on said stem and rotatable therewith, said clutch being adapted to selectively engage either said mainspring winding pinion or said setting gear, said clutch being formed with an annular groove therein, a single one-piece spring lever pivotally mounted on said pillar plate, said lever being formed with an upper section, a central section and a lower section, a pin in said upper section engaging the annular groove in said stem, a second pin in said lower section engaging the annular groove in said clutch, a notched manually adjustable post mounted in said pillar plate and in the path of the lower section of said spring lever, said spring lever being formed with an accurately milled end and a point adapted to engage the notch of said post, whereby movement of said stem along a longitudinal direction will swing said spring lever about its pivot, forcing the point of the lower section into engagement with the notch post simultaneous with the engagement of the clutch with the setting lever.

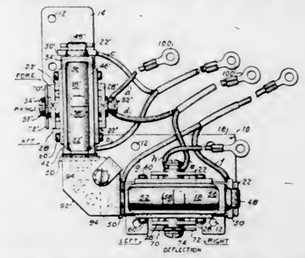
2,412,494
ELECTRIC SWITCH
Thomas M. Cole, New York, N. Y., assignor to Cole Industries, Inc., Long Island City, N. Y., a corporation
Application June 8, 1943, Serial No. 490,019
3 Claims. (Cl. 200—50)



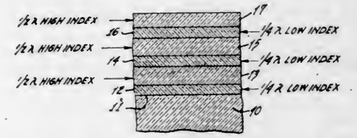
1. In a switch having a casing provided with a cover movable from a closed position to an open position and means for operating the switch, an interlock between said cover and a part of said switch-operating means, said interlock comprising an interlock member carried by said cover, said cover-carried interlock member being pivotally mounted on said cover and having a part provided with an opening, an interlock member carried by said casing in position to engage said cover-carried interlock member in said opening, said casing-carried interlock member being pivotally mounted on the casing and pivotally movable from a position in which it normally engages said other pivotally movable interlock member to prevent said cover from being opened to a position in which it releases said other interlock member to permit the casing-cover to be opened, and means provided in a part of said operating means engageable with said casing-carried interlock member for preventing movement of the latter to its releasing position when the switch is closed, said cover-carried interlock member being pivotally movable from said position in which it is normally engaged by said casing-carried interlock member when the switch is closed and the cover is in closed position to a position in which it is released from said casing-carried interlock member while the switch remains closed.

2,412,495
BUBBLE LEVELING DEVICE FOR TRAINING APPARATUS
George F. Daly and Burdette H. Phillips, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 6, 1944, Serial No. 566,805
9 Claims. (Cl. 35—25)

1. In an apparatus of the character described, a tiltable bubble level assembly movable from a tilted position in one direction through a center or level position to a tilted position in another direction, a pair of armatures carried by said assembly, an electromagnet for each armature operable upon energization thereof to move the latter and tilt the assembly in one direction or the other, and means for selectively energizing said armatures.



2,412,496
COLOR SELECTIVE REFLECTOR
Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1945, Serial No. 602,461
8 Claims. (Cl. 88—1)

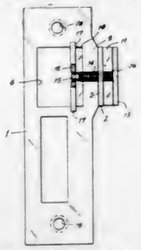


1. A color selective reflector having low response to changes in the angle of incident light, said reflector comprising a transparent support and a transparent interference film consisting of at least four layers superimposed on a surface of said support, alternate layers of said film being of a material of higher index of refraction than that of said support and each having an effective optical thickness of one-half the wavelength of light to be transmitted, the remaining layers of said film being of a material having an index of refraction at least as low as that of said support, each layer having an effective optical thickness of one-quarter of said wavelength, and the outermost layer of said reflector being a one-half wavelength layer of said high index material.

2,412,497
STRIKE PLATE OR DOOR LATCH KEEPER
Richard P. Edwards, Webster Groves, Mo.
Application December 13, 1944, Serial No. 567,943
1 Claim. (Cl. 292—340)

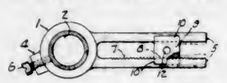
A device of the character described, comprising a plate for attachment to a door jamb and having an opening for receiving a latch bolt and having a groove in horizontal alinement with said opening, a lateral extension integral with the outer edge of said plate and having a screw-threaded hole therethrough, a bracket seated in said groove in said plate and having one extension projecting through said opening and having a complementary extension outwardly beyond said lateral extension on said plate, parts on said one extension engaging the inner side of said plate above and below said opening, and a screw extending through and having screw-threaded engagement

in said hole and having swivel engagement with both of said two last named extensions on said



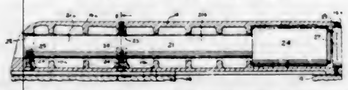
bracket for moving said bracket to and holding said bracket in different adjusted positions for cooperation with said latch bolt.

2,412,498
ADJUSTABLE ROD GUIDE
Ralph P. Engman, Milwaukee, Wis., assignor to Eclipse Moulded Products Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 31, 1944, Serial No. 538,154
3 Claims. (Cl. 4—57)



1. In a plastic rod guide for guiding the valve rod of flush valves and the like having a clamp with parallel supporting members extending therefrom, a guide block clamped by said supporting members between the same and having a hole extending vertically therethrough to receive the valve rod to be guided and having at least one side serrated to interlock with a complementary member of the clamp for adjustably supporting the block in operative position, and a flange at the upper end of the block for supporting the same vertically in the clamp, the material of the block being recessed adjacent the lower side of the flange between the flange and the serrations to avoid interference with the clamping of the same in the support by said supporting members.

2,412,499
MACHINE TOOL VIBRATION DAMPENER
Hans Ernst, Daniel A. Grieb, and Michael Field, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application August 30, 1944, Serial No. 551,912
11 Claims. (Cl. 90—11)

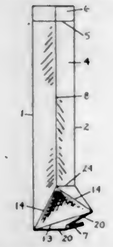


1. In a machine tool structure comprising a main frame, a work support on said frame, a tool support on said frame movable relative to said work support for interaction of work and tool in said machine, and vibration damping means associated with said tool support including an inertia member, resilient means mounted on said frame providing the sole means for supporting said inertia member, and frictional interengaging means between said inertia member and said tool support to restrict relative vibrational movements between the inertia member and tool support.

2,412,500
FROTH FLOTATION OF SULPHIDE ORES
Arthur H. Fischer, New York, N. Y.
No Drawing. Application April 21, 1944, Serial No. 532,205
6 Claims. (Cl. 209—166)

1. The method of concentrating sulphide ore which comprises subjecting the ore in the form of a pulp to a froth flotation operation in the presence of amyl xanthogen ethyl formate.

2,412,501
BAG MANUFACTURE
Charles E. Gardner, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application December 24, 1943, Serial No. 515,544
2 Claims. (Cl. 93—35)

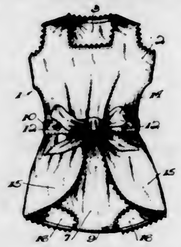


1. The method of forming a square-bottom bag which comprises flattening a section of a tube of multiple-wall bag material to form plicated sides and a front and back wall, the inner ply being composed of heat-sealable material; heat-sealing opposite inner surfaces of the inner ply at one end of the flattened section in a single straight-line seam to produce a bag; and then, after separating the front and back walls thus formed, pushing in the bottom portion of each plicated side to form three congruent isosceles triangles into it, one apex of each of the triangles lying in the fold which divides the plicated wall in two, and while pushing the side walls of the bag in, forming folds which pass through the four bottom corners of the bag and said apexes, and making an outward fold in each side wall to define a side of the upper two triangles in each side wall opposite said apexes; and where these outward folds meet the front and back walls of the tube, folding the front and back walls to define a rectangular bottom for the bag and simultaneously folding the entire bottom of the bag upwardly along a horizontal line across the front of the bag a distance from the bottom edge of the front wall of the bag equal to one half the base of said triangles.

2,412,502
GARMENT
Bertice Pauline Garrison, Seattle, Wash.
Application February 26, 1945, Serial No. 579,808
8 Claims. (Cl. 2—67)

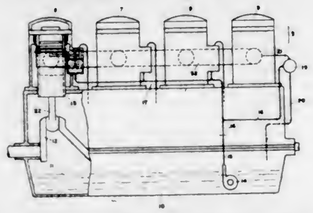
1. A garment of the class described comprising a waist having a front section and a back section and having in its lower portion a waistband zone, a panel extending downwardly from the lower portion of the waist and comprising a relatively narrow section connected at its upper edge to one of the waist sections and a relatively wide section connected with the narrow section by a constricted crotch zone, said wide section being turned up toward the other waist section in approximate

parallelism to the plane of the narrow section to provide leg openings on opposite sides of the crotch zone, and the side margins of the wide section being folded over the outside of the side margins of the narrow section so that the side margins of the wide section substantially cover



and conceal the side edges of the narrow section throughout their whole extent except the portions thereof adjacent to the crotch zone, and separable fastening means for supporting the transverse free edge of the wide section at substantially the level of the waistband zone.

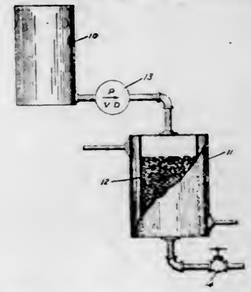
2,412,503
MODULATING COMPRESSOR CAPACITY CONTROL
Karl M. Gerteis, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application August 30, 1944, Serial No. 551,957
7 Claims. (Cl. 230—24)



1. A system of modulating capacity control for reciprocating compressors comprising means for pumping oil, an oil actuated power element, a line including an orifice therein for delivering oil under pressure to said power element, a modulating means operative responsive to variations in load conditions affecting a compressor for modulating the oil pressure in said line, a suction valve, and means operated by the power element for varying pressure applied against the valve to determine its time of closing.

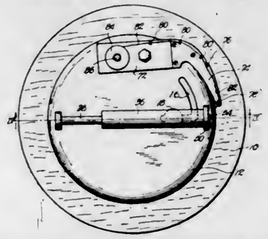
2,412,504
TREATING STYRENE AND OTHER MONOMERS USED IN POLYMERIZATION PROCESSES
George Goldfinger, Brookline, Mass., assignor to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts
Application June 29, 1944, Serial No. 542,728
1 Claim. (Cl. 260—669)

The process of improving for polymerization monomeric vinyl products such as styrene and butadiene, which includes the steps of heating the monomer containing an inhibitor such as hydroquinone to approximately the boiling point while in contact with carbon black thereby (1) causing initial polymerization of a small amount of the monomer, (2) adsorbing the inhibitor from the



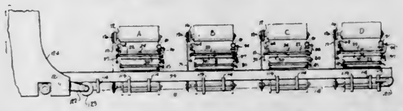
monomer, and (3) also adsorbing the initially formed polymer.

2,412,505
NEEDLE THREADING INSTRUMENT
Elynor D. Gorka and Minor B. Gideon, Kansas City, Mo.
Application July 16, 1945, Serial No. 605,328
10 Claims. (Cl. 223—99)



1. A needle threading instrument comprising a holder for a needle having an eye therein; a thread support; a thread-engaging member reciprocable through the eye of the needle; and means operable upon relatively shifting the said holder and the support for moving said member through the eye of the needle and in engagement with the thread and returning said member with the thread through the eye of the needle.

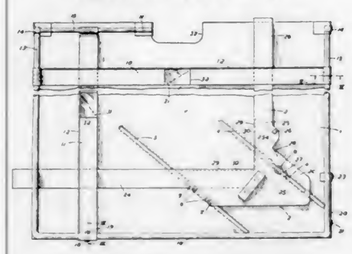
2,412,506
MEANS FOR BLENDING FIBERS
Oren W. Greene, Robert W. Twitty, and Therman L. Richie, Marion, N. C., assignors to Marion Manufacturing Company, Marion, N. C., a corporation of North Carolina
Application May 1, 1945, Serial No. 591,384
7 Claims. (Cl. 19—69)



1. Means for blending a plurality of different fibers together comprising a plurality of fiber handling machines, fiber receiving means associated with each of the fiber handling machines for receiving and holding fibers discharged from each machine, means operable by the weight of the fibers in the receiving means for stopping the machine associated with the receiving means when a predetermined amount of fibers has been

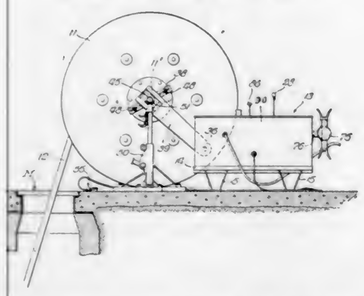
collected in the fiber receiving means, and means automatically operable for discharging the fibers from all of the fiber receiving means when all of the receiving means have been charged with their predetermined weights of fibers.

2,412,507
PHOTOGRAPHIC MASKING EASEL
Douglas Gordon Hunter, London, England, assignor to Barnet Ensign Limited, London, England, an English joint-stock company
Application April 12, 1944, Serial No. 530,606
In Great Britain May 8, 1943
10 Claims. (Cl. 88—24)



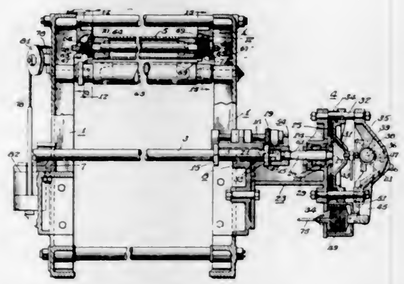
1. An exposure and masking appliance for photographic sensitized material, comprising a substantially rectangular board for supporting the sensitised material and formed with a pair of parallel slots inclined to the edges of said board and extending from the neighborhood of one corner of said board, a square or member with two arms having their inner edges at right angles and parallel to adjacent edges of said board, a pair of projections from said square engaging respectively in said slots to guide said square over the surface of the sensitised material, means for clamping said square in an adjusted position and a pair of straight blades mounted to move over the surface of the sensitised material and guided to move with their inner edges respectively parallel to the inner edges of said square.

2,412,508
POWER UNIT FOR REELING CABLE OR WIRE
Harry M. Jensen, Chicago, Ill.
Application December 2, 1943, Serial No. 512,534
8 Claims. (Cl. 242—54)



3. In a portable power drive unit for driving a cable reel, the combination of a portable frame capable of being moved from place to place for establishing driving connection with different cable reels, a source of power on said frame, and a power transmitting arm for connecting said source of power with the reel, said arm being swiveled upon said frame for vertical swinging movement in a plane substantially parallel to the side of the cable reel, a drive shaft substantially coincident with the swivelling axis of said arm, a driving head mounted in the outer end of said arm for rotation about an axis disposed substantially at right angles to the length of said arm, power transmission means extending between said drive shaft and said driving head, and means for coupling said driving head with the cable reel.

2,412,509
UNWINDING MACHINE
Robert McC. Johnstone, Bondsville, Pa.
Application June 13, 1942, Serial No. 446,917
5 Claims. (Cl. 242—75)

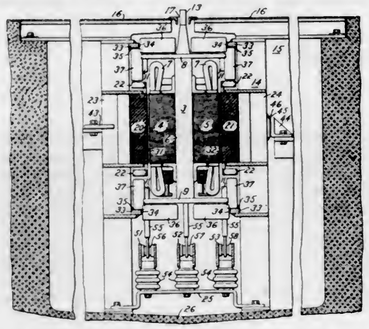


1. In a machine for maintaining uniform tension in a traveling strip, means for imposing a drag on the strip, said means being adjustable to vary said drag and to thereby regulate the tension, a floating nerve roll arranged for engagement with the strip, a shaft constituting a journal support for said roll, and means for tensioning said nerve roll so as to exert a force on the strip tending to deflect it from a normal path, guide means for said roll including a pinion secured to the roll shaft and a relatively fixed rack engaging said pinion, a second pinion of differing diameter than the pinion first named and similarly secured to the roll shaft, a rack engaged with said second pinion and supported for longitudinal movement with respect to the first-named rack, and hydraulic means operatively connecting the said relatively movable rack with the drag means whereby changes in tension in the strip detected by the roll may be translated into compensating adjustments of the drag.

2,412,510
METHODS AND COMPOSITIONS FOR KILLING WEEDS
Franklin D. Jones, Llanerch, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application June 21, 1945, Serial No. 600,841. In Canada June 2, 1944
22 Claims. (Cl. 167—45)

1. A method for killing weeds in an active state of growth, which consists in applying to the weeds a substance selected from the group consisting of the amides and thioamides of phenyl, phenoxy, phenylmercapto, phenylimino, naphthyl, naphthoxy, naphthylmercapto, naphthylimino, and anthracyl, monocarboxylic aliphatic acids, in a concentration of at least about .05% by weight.

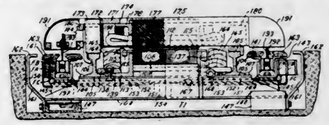
2,412,511
ELECTRICALLY PROPELLED CAR CONSTRUCTION
Maurice F. Jones, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1944, Serial No. 537,514
2 Claims. (Cl. 172—290)



1. An elongated linear-motor construction, comprising an elongated towing-car movable in the direction of its length, said car having two vertically disposed, elongated, outwardly facing, magnetizable, multipolar, polyphase-wound linear-motor primary-members disposed back-to-back, and a trackway for said car, said trackway comprising a trough-like construction comprising two vertically disposed inwardly facing, magnetizable, linear-motor secondary-members, and supports therefor so disposed as to accommodate the primary-members of the car between said secondary members, with airgaps between the primary-members and the respective secondary-members, said secondary-member supports including upper and lower, right-hand and left-hand guide-members having inwardly facing guide-surfaces, said trackway having polyphase supply-means comprising a plurality of insulatedly supported third-rail members disposed in the lower portion of the trough, said car having centrally disposed upwardly and downwardly extending members extending respectively upwardly and downwardly from the backs of said primary-members, towing-means carried by said upwardly extending car-member, collector-shoe third-rail-engaging means carried by said downwardly extending car-member, and said car further having a plurality of pairs of upper and lower, right-hand and left-hand guide-engaging members carried by said upwardly and downwardly extending car-members respectively, said guide-engaging members being spaced at a plurality of points along the length of the car, for engaging said inwardly facing guide-surfaces in such manner as to prevent the collapse of the trackway-construction under the magnetic attraction between the primary-members and the respective secondary-members as the car travels along.

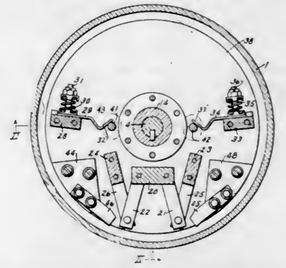
2,412,512
FEEDER SYSTEM FOR LINEAR MOTORS
Maurice F. Jones, Wilkinsburg, and Lee A. Kilgore, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 14, 1943, Serial No. 506,198
7 Claims. (Cl. 172—290)

1. A three-phase system comprising a track comprising a pair of track-rails, a set of three three-phase feeder-conductors disposed along each side of the track, a plurality of sets of three three-phase cross-connectors extending under the track-rails and joining the corresponding phases of the two sets of feeder-conductors at a plurality of spaced points along the track, connections between a first phase of each of said sets of cross-connectors and the track-rails of the track, a three-phase motored car operative



on said track-rails and deriving one phase of its electrical energy from said track-rails, a current-collecting means on one side of the car for deriving a second phase of its electrical energy from the corresponding phase of the set of feeder-conductors on that side of the track, and a second current-collecting means on the other side of the car for deriving a third phase of the set of feeder-conductors on that side of the track.

2,412,513
ELECTRIC CONTROL DEVICE
Maurice F. Jones, Pittsburgh, and Ruel C. Jones, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 11, 1944, Serial No. 567,636
6 Claims. (Cl. 200—52)

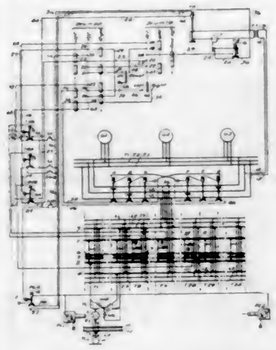


1. An electric control device comprising a rotatable drivable member, a floating mass member coaxially rotatable relative to said drivable member, an adjustable spring device for imposing on said members a bias of selective magnitude for causing them to normally maintain a given angular position relative to each other, and electric contact means having two co-operative parts mounted on said two members respectively so as to perform a switching operation in response to the relative motion occurring between said two members when the rate of speed change of said drivable member exceeds a value determined by the selected adjustment of said spring device.

2,412,514
ELECTRIC CATAPULT CONTROL
Ruel C. Jones, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 31, 1943, Serial No. 500,639
18 Claims. (Cl. 172—290)

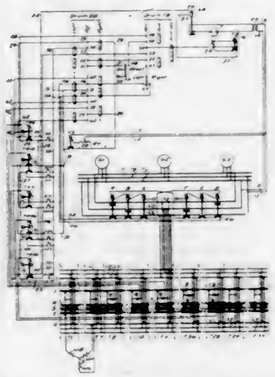
1. An electrically controlled system, comprising a reversible polyphase motor, power-switch means for controlling the polyphase energy-supply to the motor in either sequence of phases, con-

trol-means, associated with said power-switch means, for initiating and terminating a forward-driving polyphase energization of the motor for a forward run in a selected phase-sequence, means responsive to the termination of the forward-driving polyphase energization of the



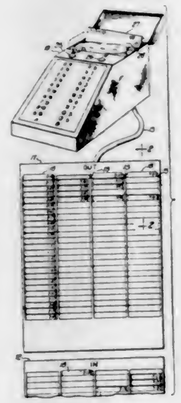
motor, at the end of the forward run, for automatically and promptly thereafter initiating a reverse-phase-sequence energization of the motor and also initiating a timing operation, and means responsive to a preselected time-period of the timing operation for discontinuing said reverse-sequence energization of the motor.

2,412,515
CONTROL FOR ELECTRIC CATAPULTS
Ruel C. Jones, Pittsburgh, and Maurice F. Jones, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 31, 1943, Serial No. 500,640
13 Claims. (Cl. 172—290)



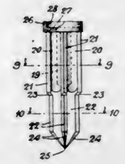
1. An electrically controlled system, comprising a self-propelling polyphase-motored movable body, a multi-sectional track therefor, power-feeder means for feeding polyphase electrical energy to said polyphase-motored movable body, at least one phase of said electrical energy being fed to various sections of the track and thence to the polyphase-motored movable body, a plurality of position-responsive means, associated with a plurality of sections of said track, for responding to the position of the polyphase-motored movable body on different sections of the track, each position-responsive means being energized in response to the flow of electrical energy into its corresponding track-section, and a relatively stationarily located control-means for controlling the energization of the polyphase-motored movable body and for preselecting one or more position-responsive means for utilization in such control.

2,412,516
REGISTRATION INDICATOR SYSTEM
Joseph A. Kavanagh, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 21, 1944, Serial No. 564,523
2 Claims. (Cl. 177—353)



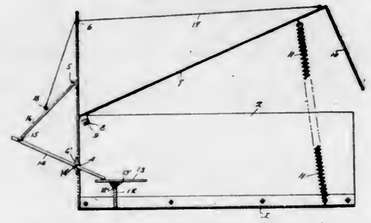
1. In an annunciator system for indicating "in" and "out" registration of a number of people individually identified by different combinations of digits selected from two groups, an operator station comprising a set of first digit switches and a set of second digit switches, a set of group relays including one relay for each first digit switch, each of said group relays having normally open contacts, one for each second digit switch, which are closed when the relay is energized, an indicator relay having normally open contacts adapted to be closed when the indicator relay is energized, a registration panel comprising a number of normally open registration switches, one for each different combination of digits, energizing circuit means for the coil of said indicator relay including a number of main branch circuits each including a different one of said second digit switches, and a number of sub-branch circuits in series with each main branch circuit, each sub-branch circuit including a different one of said registration switches and an individual one of said group relay contacts, and an indicator circuit including indicating means and said indicator relay contacts, said indicator circuit also including a number of branches, one for each digit of one of said sets, each branch including normally open contacts adapted to be closed by the related switch of said last mentioned set.

2,412,517
NAIL
Karl Klein, Westport, Conn.
Application January 26, 1945, Serial No. 574,704
4 Claims. (Cl. 85—10)



1. In combination in a nail, a hollow shank portion, closed at one end, a plurality of generally radially projecting vanes positioned on the exterior of said hollow portion and spaced about its surface, said vanes being of reduced radial extent below said hollow portion, and joined at their inner edges and terminating in a point, there being a head fixed upon the nail, the hollow portion, the vanes and the head being integral with respect to each other.

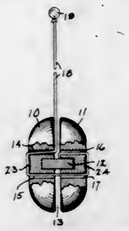
2,412,518
TRAP
Burdick F. Krelwitz, Milwaukee, Wis.
Application July 24, 1944, Serial No. 546,251
2 Claims. (Cl. 43—61)



2. The combination with the animal receiving portion of a trap having a closed bottom and open at the top and back and having a front panel extending upwardly above the top, of a top plate pivotally mounted, a door integral with the top plate and constituting means for closing the open back and supporting the top plate in closed position, a spring connecting the bottom to the top plate for holding said plate and door normally closed, a bait pan pivotally mounted within the trap, a lever extending through the panel and lapping the bait pan, a stop bracket, a restraining strip interposed between the stop bracket and the lever, there being a notch within the lever for receiving one end portion of the strip, and a flexible connection between the restraining strip and the top plate, said plate and spring cooperating, when the plate is in raised position and top open, to exert a constant pull upon the strip to maintain it in frictional engagement with the bracket and with the notched portion of the lever.

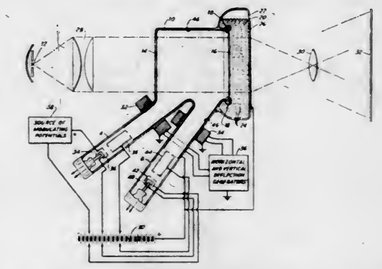
2,412,519
SPINNER
Charles H. Kuhn, Indianapolis, Ind.
Application June 26, 1945, Serial No. 601,622
4 Claims. (Cl. 46—61)

1. A toy comprising a pair of members interconnected by a pin in spaced apart relation to form a spool-like body; each of said members being provided with a pair of longitudinal passageways therethrough, the passageways of one member being longitudinally aligned with those of the other member; and a string having one end secured to said body and carried from said securement slidingly through said passageways to form



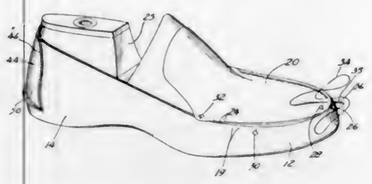
a loop portion exposed on the outer face of each of said members between the respective passageways thereof, and thence from the inner end of one of said passageways outwardly between said members by a free length, whereby said free length may be retracted by pulling said loop portions outwardly from said members.

2,412,520
TELEVISION PROJECTOR TUBE
David B. Langmuir, Englewood, and John S. Donal, Jr., Princeton Township, Mercer County, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 26, 1943, Serial No. 500,030
7 Claims. (Cl. 178—7.5)



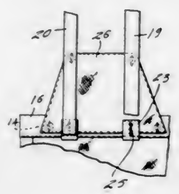
1. An electronic valve comprising a medium whose light transmitting characteristics are altered in response to a potential change comprising a target area associated with said medium, a pair of electron gun structures for developing independent cathode ray beams of substantially identical beam velocities, means for varying the current intensity of one of the developed beams, means for scanning the target area by said one cathode ray beam at such an angle of incidence that the number of produced secondary electrons will be less than the number of arriving beam electrons thereby to cause a variable change in the potential of the surface of the target area in a negative direction, and mean for subsequently scanning the target area by the second cathode ray beam at an increased angle of incidence that the number of produced secondary electrons will be in excess of the number of arriving beam electrons thereby to remove the potential established by said one beam and to return the target area to a datum potential level.

2,412,521
SHOEMAKING
Bernard F. Lee, Framingham, Mass., assignor to Jacob Sandler, Brookline, Mass.
Application February 7, 1946, Serial No. 646,022
3 Claims. (Cl. 12—142)



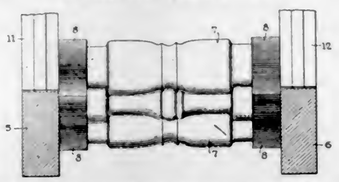
1. In a method of making moccasins, the steps comprising providing a first blank having a sole portion and a portion adapted to form an upwardly projecting portion of the upper, which latter portion is provided with a bevelled edge and a series of thread holes extending along the bevelled edge and passing through the full thickness of the blank; providing a second blank dimensioned to complement said latter portion in forming the upper, said second blank having a bevelled edge and a series of thread holes extending along the bevelled edge and passing through the full thickness of the blank; placing the blanks upon a last of such size and shape that the edge extremities of the blanks barely meet; and uniting the margins of the blanks by passing thread through said thread holes and tightening the stitches to conform the blanks closely to the last.

2,412,522
GARMENT
Max I. Lehman, New York, N. Y.
Application October 18, 1945, Serial No. 623,028
1 Claim. (Cl. 2—79)



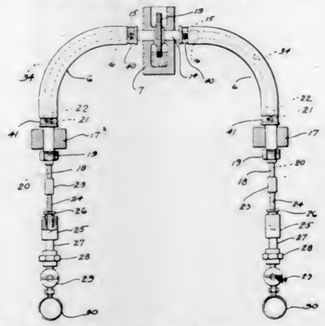
A garment as described consisting of a waist portion having oppositely arranged fabric sections, said opposing sections being provided with a series of shoulder strap attaching means of which those on one section include button holes, a series of tabs having their inner ends secured permanently to the last-named section and having free portions arranged in line with said button holes and themselves formed with button holes, said shoulder straps having at their inner ends buttons buttoning into the button holes of the section having button holes, and also having buttons between their ends, and a bib having at its lower edge buttons buttoning into the button holes in said tabs and also provided above the buttons with button holes into which the last named buttons of the shoulder straps button.

2,412,523
METHOD OF PRODUCING WOODEN ARTICLES OF CIRCULAR CROSS SECTION AND VARYING DIAMETER, AND THE RESULTING ARTICLE
Carl Brynolf Lundstrom, Little Falls, N. Y.
Application November 28, 1944, Serial No. 565,542
2 Claims. (Cl. 20—0.5)



1. The method of producing a wooden article of the type described which comprises plasticizing a slender wooden blank in which the grain of the wood runs longitudinally, and then axially rolling said blank between heated forming rolls which are of similarly varying longitudinal contour, and are caused to approach each other gradually during the rolling operation whereby the blank is densified in varying degrees at different points in its length and becomes set as a solid of revolution of varying cross section in which the degree of densification varies in inverse relation to the cross section.

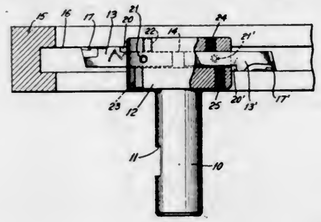
2,412,524
FATIGUE TEST FOR TIRE CORD
Gerald D. Mallory, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 19, 1944, Serial No. 554,813
4 Claims. (Cl. 73—91)



1. The method of testing textile elements comprising the steps of embedding a plurality of such elements in the body of a generally tubular member composed of a flexible material, such as rubber, bending the tubular member, inflating the tubular member, and contemporaneously causing it to rotate about its axis while maintained in bent condition.

2,412,525
CUTTING TOOL
Robert M. Maslin, Sayre, Pa., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 4, 1943, Serial No. 485,589
5 Claims. (Cl. 29—105)

1. A cutting tool comprising a frame, a cutting member assembled on said frame, a pair of adjustment screws assembled in said frame and abutting against said member on opposite sides and at different places along the length of said member, and a third screw in said frame and abutting against said member at right angles to

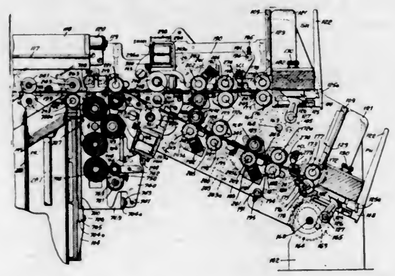


the plane in which lie the other two screws but out of alignment with said other two screws, said third screw serving for holding said member on said frame in an adjusted position and to act as a pivot around which adjustment takes place.

2,412,526
COATING AGGREGATE WITH ASPHALT EMULSIONS
Paul E. McCoy, San Francisco, Calif., assignor to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 2, 1940, Serial No. 350,053
17 Claims. (Cl. 106—277)

12. In a process of coating hydrophilic aggregate with asphalt, wherein the oil-in-water emulsion of asphalt is applied to the aggregate, the improvement comprising applying to the aggregate an oil-in-water emulsion of asphalt containing a small amount, sufficient to increase substantially the adhesiveness of the asphalt to the aggregate, of an alkali metal dichromate.

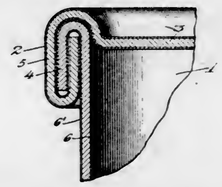
2,412,527
ADDRESSING MACHINE
Albert W. Mills and Frank J. Furman, Endicott, and Edward J. Rabenda, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 12, 1942, Serial No. 442,642
12 Claims. (Cl. 101—48)



1. In a stencil printing machine, a printing station; a plurality of separate feeding mechanisms each for feeding a separate collection of records, said feeding mechanisms conveying the records of all the collections to said printing station past a common distribution point, each collection of records having records which may correspond to records present in another collection, one of said collections comprising printing records adapted to print upon the records of another collection; a record distributing mechanism for distributing all the records from all the collections, a plurality of record sensing means for sensing respectively, designations in a record from one collection and designations in two successive records of another of said collections, prior to their delivery at the common distribution point; means controlled by the sensing means for comparing a record from one collection with a record from another collection and for comparing two successive records of one of said collections, means at the printing station and controlled by the comparing means for causing the printing record to print upon the other of two corresponding printing and non-printing records, and controlled by the comparing means for controlling the distributing means to cause the records of one collection which correspond to records of another collection to have separate destinations from non-corresponding records of said collections, and to determine separate destinations for the non-corresponding records of the respective collections, and means to prevent feeding of records when two successive compared records correspond.

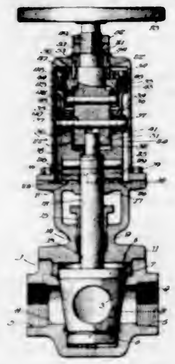
6. In an address printing machine, a printing station, means to feed to said station a set of printing devices identified by control number designations, data retaining means having separate sections for receiving two numbers denoting upper and lower numbers of selection and for receiving numbers from the printing devices, means to enter in the retaining means the limits of selection; means to compare the numbers entered from the printing devices with both limits, said means being adapted to manifest the fact that each number entered is or is not within said limits, means to print from printing devices fed by said feeding means, means controlled by the comparing means for causing the printing means to operate to print by means of each printing device within the limits of selection, a second feeding means for feeding to said station records to be imprinted, and means controlled by the comparing means for causing an operation of the second feeding means for each record within the limits of selection.

2,412,528
COATED METAL CONTAINER
Jacque C. Morrell, Oak Park, Ill.
Application April 30, 1941, Serial No. 391,067
2 Claims. (Cl. 220—64)



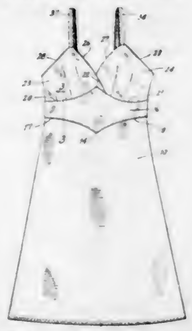
1. A container comprising a body, a top and a bottom of sheet metal and at least the interior of which is coated with a relatively flexible prime coating comprising a polymerized hydrocarbon and a relatively rigid top coating comprising a thermoplastic synthetic resin.

2,412,529
VALVE ACTUATING MECHANISM
Alfred Mueller, Berwyn, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application May 22, 1943, Serial No. 488,313
8 Claims. (Cl. 74—22)



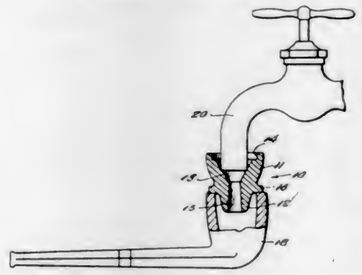
1. An operating mechanism for a valve of the rotary type having a casing, a frusto-conical closure member and an actuating stem therefor, the stem having an extension member longitudinally movable relative thereto, upper and lower cam members mounted upon the said stem and extension member, the said extension member having transverse axle portions cooperating therewith to ride upon inclined surfaces of the said cam members, the lower cam member being non-rotatable and being held axially fixed relative to the stem, supporting means for the said extension member adjacent the upper portion of the stem, the upper cam being non-rotatably mounted and reciprocably movable relative to the lower cam member, non-rotatable, axially movable means cooperating with the said extension member supporting means to inhibit rotational movement of the said upper cam member.

2,412,530
SLIP
Loretta Novy, St. Louis, Mo., assignor to Weil-Kalter Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application May 19, 1944, Serial No. 536,266
1 Claim. (Cl. 2—73)



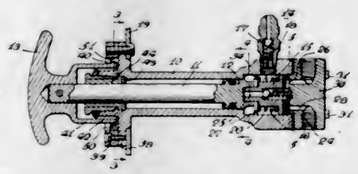
In a slip, a skirt extending from a waist portion down to a hem line, said skirt portion having an upper edge substantially at the waist of the wearer, a laterally yieldable midriff section extending across the front of the garment to the sides thereof, attached to the upper edge of the waist portion extending upwardly therefrom to provide an upper edge just below the bust of the wearer, means across the back of the garment connecting the lateral ends of the midriff section, said midriff section and connecting means being adapted yieldably to fit the waist of the wearer snugly and provide support for the skirt from the waist of the wearer, a pair of bust panels extending upwardly from the upper edge of the midriff section, each of said bust panels having a lower edge secured to the said upper edge, the said lower edges of the bust panels overlapping at the middle of the midriff section but being otherwise independent of one another so that they may independently mold to the bust of the wearer, and means for supporting the upper parts of said bust panels.

2,412,531
PIPE CLEANER
Bruno L. Pape, New Braunfels, Tex.
Application September 12, 1944, Serial No. 553,757
1 Claim. (Cl. 285—2)



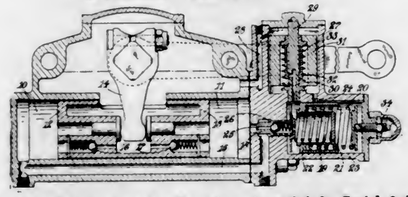
In a cleaning device for pipes, a body portion of resilient material having a conical recess therein terminating at its outer extremity in an annular groove, said body portion terminating in a conical extremity having an inversely tapered bore therethrough connecting with said recess, and a peripheral flange about said body, adapted to seat on the rim of a pipe bowl.

2,412,532
ENGINE PRIMER
Arthur L. Parker and Joseph F. Melichar, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application November 27, 1944, Serial No. 565,240
7 Claims. (Cl. 103—2)



1. In a liquid dispensing device comprising a pump having a reciprocating piston, a valve associated with said pump for controlling the discharge of fluid from the pump through a plurality of outlets, means whereby said valve and said piston may be coupled together when said piston is at the end of its compression stroke, so that rotation of the piston will shift said valve to different positions with respect to said outlets; the combination of a handle adapted to rotate said piston, a lug on said handle, and an index member adjacent said handle having a plurality of openings therein corresponding to each of said outlets, said lug being adapted to be aligned with one of said openings in the index member when the handle is rotated, to thereby correspondingly shift said valve into alignment with one of said outlets known to correspond with the selected opening in said index member.

2,412,533
DAMPING ARRANGEMENT FOR VEHICLE SUSPENSION SYSTEMS
James Alexander Petrie, Derby, England
Application May 7, 1945, Serial No. 592,396
In Great Britain May 22, 1944
5 Claims. (Cl. 188—88)



1. A vehicle shock absorber in which fluid friction is employed for damping, comprising the combination of a main cylinder the ends of which are connected by a conduit for the damping fluid, a main piston reciprocable in said cylinder to force the damping fluid through said conduit, a damping valve controlling the rate of flow of the fluid through said conduit, means for progressively unloading the said valve down to a predetermined degree, and means responsive to vehicle shocks caused by travel of the vehicle for progressively restoring the closing load on the valve.

2,412,534
IMPREGNATED COMPOSITE BOARD
Boardman M. Randall, Portsmouth, N. H., assignor to TekWood, Inc., Lakeport, N. H., a corporation of New Hampshire
Application December 5, 1942, Serial No. 468,011
4 Claims. (Cl. 154—133)

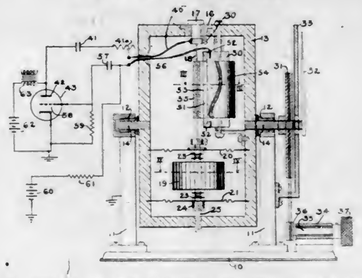


1. The method of making an impregnated composite board which comprises providing a compressible resin-impregnated carrier sheet having the character that it is compressible to less than half its thickness when subjected to pressure of at least fifteen hundred pounds per square inch, assembling the carrier sheet in a dry state between two wood veneer sheets, followed by subjecting the assembled sheets to pressure of at least fifteen hundred pounds per square inch in the presence of heat, thereby to compress the carrier sheet to less than half its initial thickness, accompanied by fusing of the resin therein, and to force relatively large amounts of resin from the carrier sheet into the wood veneer sheets, and maintaining said pressure until the resin has permeated substantial interior regions of the wood veneer sheets and has become set.

2,412,535
ANTIPERSPIRANT PREPARATION
Earl Leroy Richardson, Bound Brook, and Kenneth Lyman Russell, Nutley, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application November 29, 1944, Serial No. 565,810
6 Claims. (Cl. 167—90)

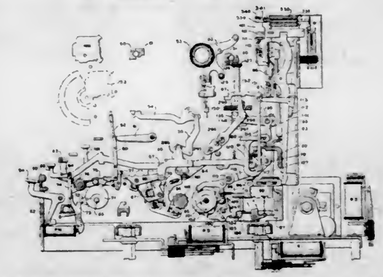
1. A perspirant inhibiting or retarding composition comprising a water-containing vehicle, an aluminum salt selected from the group consisting of aluminum sulphate and aluminum chloride, and a corrosion inhibiting compound selected from the group consisting of aluminum orthophosphate and aluminum pyrophosphate, the mol ratio of the phosphate to the salt of the first group being at least one to one.

2,412,536
MECHANICALLY TUNED OSCILLATOR
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application January 29, 1944, Serial No. 520,204
9 Claims. (Cl. 250—36)



9. A device of the character described comprising, in combination, a frame mounted for rotation about a horizontal axis, a wire attached to said frame having its other end connected to a weight, means supported by said frame for holding said wire and weight diametrically disposed in said frame, means for feeding a current through said wire, and a magnet disposed to cause its lines of force to pass transverse to said wire.

2,412,537
RECORDING AND COMPUTING MACHINE
Edwin O. Roggenstein, Utica, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 10, 1940, Serial No. 369,399
46 Claims. (Cl. 235—59)



7. A computing typewriter having a movable carriage, and an English money totalizer mov-

able with the carriage and having groups of wheels registering pounds, shillings, and pence, a series of printing magnets representing numbers from 0–11, the combination of a carriage controlled contact adapted to be opened when the totalizer moves to the tens of shillings position to break the common return circuit of the magnets numbered from 2–11, a shift relay, means operated when a negative total is in the totalizer to energize said shift relay, a tens of shillings relay, means operated when said shift relay is energized to make power available to said tens of shillings relay, means operated by said tens of shillings relay when energized, reversing the circuit connections of the 0 and 1 printing magnets, and a second carriage controlled contact adapted to be closed to energize the circuit of said tens of shillings relay when the totalizer moves to the tens of shillings position.

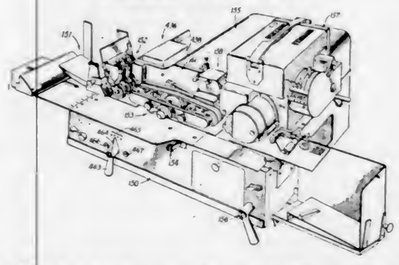
2,412,538

LIQUID LEVEL CONTROLLING DEVICE FOR ENVELOPE MOISTENING DEVICES

Commodore D. Ryan, Los Angeles, Calif., assignor to Commercial Controls Corporation, a corporation of Delaware

Original application April 29, 1940, Serial No. 332,305. Divided and this application June 12, 1942, Serial No. 446,755

8 Claims. (Cl. 91—18)



1. In a mechanism for controlling the flow of fluid from a constant level fluid supply device of the cup and inverted bottle type to a flap moistening means of an envelope sealing machine including, a constant level fluid supply device, envelope flap moistening means, a conduit connecting said fluid supply and said moistening means, means mounting said constant level fluid supply device for raising and lowering movement, an elevating means operable for raising said device from a shut-off position whereat the fluid level of said device is below the level of said moistening means to a feeding position whereat the fluid level of said device is even with or elevated to a predetermined level above said moistening means, and means releasably holding the elevating means in any one of a plurality of elevated feeding positions.

2,412,539

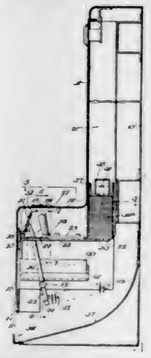
VENDING MACHINE

Juddson B. Ryno, Chicago, and Charles L. Casey, Riverside, Ill., assignors to Reliable Sheet Metal Engineering Co., Chicago, Ill., a corporation of Illinois

Application October 26, 1944, Serial No. 560,378

7 Claims. (Cl. 194—75)

1. In a vending machine, an article holder, an ejector slide for ejecting the articles from the holder, an operating element for the slide, separate therefrom, a coin receiver, a shoulder on the slide behind which the coin will be positioned when inserted into said receiver, means for actuating said element, to cause the element to engage the coin and, through the medium of said coin, actuate the slide to eject an article, said element also operating to return the slide when the coin



is discharged from said receiver, a follower in said holder, and a projection carried by said follower, adapted to engage behind a shoulder on the slide, in the absence of articles in the holder, for locking the slide against return movement, whereby the said element may be returned independently of the slide.

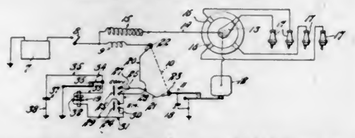
2,412,540

EMERGENCY IGNITION UNIT

Angelo V. Sellaro, Hatboro, Pa.

Application November 18, 1944, Serial No. 564,105

1 Claim. (Cl. 123—148)



An emergency unit for maintaining a conventional battery distributor ignition system in operation under conditions where it might not ordinarily operate because of weak battery or faults in the breaker mechanism or the like and comprising a magnetic circuit interrupter and means for connecting the same with the primary winding of the conventional spark coil of the system in parallel with the conventional coil and breaker circuit of that system and whereby said magnetic interrupter operating through the battery, coil and breaker connections of the conventional system will provide a continuous succession of interruptions in the primary circuit in parallel with the breaker circuit and thereby enable the distributor of the system to function in the conventional manner, said connecting means including two independently operable switches separate and apart from the conventional ignition switch of the system and arranged, one switch to cut the breaker mechanism into and out of service and the other switch to cut the magnetic circuit interrupter into and out of service and whereby either or both said breaker mechanism and said magnetic circuit interrupter may be in service at one and the same time and said magnetic circuit interrupter be used either above or in parallel with the conventional coil and breaker circuit.

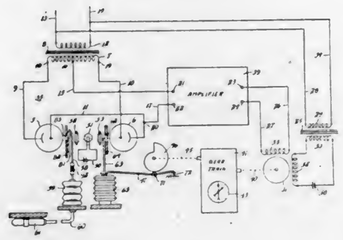
2,412,541

ALTIMETER

Paul F. Shivers, Edina, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 20, 1942, Serial No. 466,283

15 Claims. (Cl. 73—387)



12. In an altimeter the combination with a resilient diaphragm movable from a first position in response to a change in atmospheric pressure acting thereon, of a tension spring acting upon said diaphragm, a source of light, a plurality of photoelectric cells arranged to be equivalently illuminated from said source whereby to induce equivalent electrical responses from said cells, a first control device actuated upon movement of said diaphragm for varying the intensity of the light supplied to said cells in such a manner as to differentially affect the electrical responses of said cells, a motor controlling the force exerted by said tension spring, and means causing energization of said motor means in accordance with differential responses of said cells, whereby to actuate said spring to cause the return of the diaphragm to the first position, a second control device for varying the intensity of the light supplied to said cells so as to differentially affect the electrical responses from said cells in such a manner as to cause said motor to change said first position of the diaphragm, and a free air atmospheric temperature responsive device for actuating the second control device.

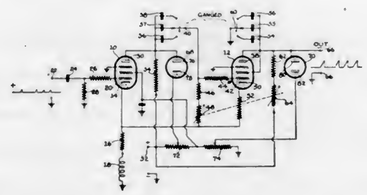
2,412,542

DEFLECTION CIRCUITS

Lester C. Smith, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 25, 1944, Serial No. 537,275

10 Claims. (Cl. 250—27)



10. A single sweep deflection generator including a pair of electron discharge tubes each including an anode, a control electrode and a cathode, means for applying triggering impulses extending in a predetermined potential direction to the control electrode of one of said tubes to produce a voltage variation extending in a predetermined direction, means to maintain the cathodes of the two tubes at substantially the same potential, means to apply the produced voltage variations to the control electrode of the other electron discharge tube, a condenser connected between the anode of the said other electron discharge tube and a point of fixed potential, an adjustable charging resistance and source of positive potential associated with said condenser so that the condenser may be gradually charged through said resistance and quickly discharged by said other electron discharge tube in response to an applied voltage variation, means including a unilateral conducting device effectively connected in parallel with the anode circuit of each electron discharge tube to assure aperiodic operation of the deflection generator so that the condenser is charged and immediately discharged upon the application of each individual triggering impulse.

2,412,543

COATED ZINC ARTICLE AND METHOD OF MAKING SAME

Robert R. Tanner, Detroit, Mich., assignor to Parker Rust Proof Company, Detroit, Mich.

No Drawing. Application July 3, 1941, Serial No. 401,055

14 Claims. (Cl. 204—35)

1. An article of manufacture having a zinc surface with a thin, adherent, continuous coating containing chromium and PO_4 and formed by drying on said surface an acidic solution consisting essentially of water, a compound containing hexavalent chromium, and a compound containing PO_4, the coating being substantially insoluble in water and containing some unreacted chemical.

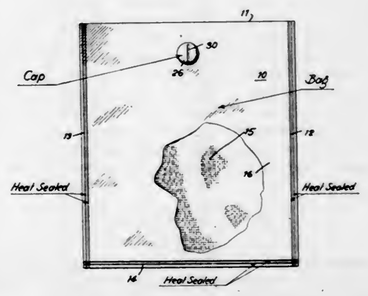
2,412,544

REUSABLE COLLAPSIBLE LIQUID CARRYING AND DISPENSING CONTAINER

Harry F. Waters, New York, N. Y.

Application May 29, 1942, Serial No. 444,958

9 Claims. (Cl. 229—14)

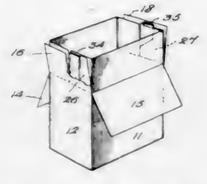


1. A flat-folded erectable lined carton, erectable into squared-up, use position, said liner comprising a flat, preformed, pre-sealed, liquid-proof bag, and said carton comprising front and back wall panels, a foldable bottom panel, joining the wall panels, two full size side panels, and joining sections joining the side panels to one wall panel, said joining sections forming bellows folds gripping the sides of the bag liner when the carton is erected into squared-up use position to square up the said liner.

2,412,545
COATING AGGREGATE WITH BITUMINOUS EMULSIONS
Vilas E. Watts, San Francisco, Calif., assignor to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 3, 1940, Serial No. 351,079
13 Claims. (Cl. 106—277)

1. In a process of coating hydrophilic aggregate with a bitumen which normally lacks the capacity to adhere strongly to hydrophilic aggregate in the presence of water, wherein said bitumen in a form in which it is in the continuous phase is applied to the aggregate, the improvement comprising applying to the aggregate bitumen containing a small amount, sufficient to increase substantially the adhesiveness of the bitumen to the aggregate, of an alkali metal salt of an oxy-acid of chromium.

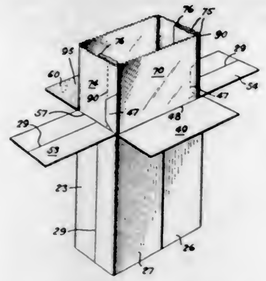
2,412,546
METHOD OF PACKAGING
Harry F. Waters, New York, N. Y.
Original application July 5, 1940, Serial No. 343,926. Divided and this application December 6, 1941, Serial No. 421,920
4 Claims. (Cl. 93—49)



1. The method of closing a carton having at least two pairs of opposed panels with closing flaps at the ends thereof and having a liner therein, said liner having longitudinal lateral fins and being closed at one end and having its open end projecting beyond the main body panels of said outer carton, and two opposed top flaps of said carton having slip-fit fin-engaging guide and folding members, which method comprises moving said fin-engaging top flaps with the engaged fins outwardly thereby stretching the mouth portion of said liner into flattened face-to-face relationship, then folding the flattened mouth in the plane bounded by the upper edges of the main body of the carton, thereafter sealing said flattened mouth portions and closing the flaps thereabout.

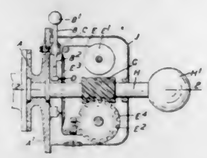
2,412,547
CRUSHPROOF REINFORCED PAPERBOARD PACKAGE WITH LIQUID-TIGHT LINER AND METHOD OF MAKING SAME
Harry F. Waters, New York, N. Y.
Application December 18, 1941, Serial No. 423,424
1 Claim. (Cl. 229—14)

A composite laminated sheet for forming flat-folded packages, comprising a paper-board carton blank having longitudinal and transverse score lines defining a pair of front and back main panels with a connecting bottom panel, a pair of side panels and top bottom closure flaps, a liner sheet over the carton blank and substantially coextensive therewith, the said liner being secured to the carton blank at the several panels only and free of attachment at the corners of the panels, a half main panel-size tab attached to each side panel foldable on and se-



curable to the back main panel, and substantially half bottom panel-size tabs attached to the side panels and centrally foldable therewith.

2,412,548
TORSIOGRAPH
Thomas Sydney Wilson and Richard Zdanowich, London, England, assignors to D. Napier & Son Limited, London, England, a British company
Application July 24, 1941, Serial No. 403,932
In Great Britain July 29, 1940
8 Claims. (Cl. 234—5.6)

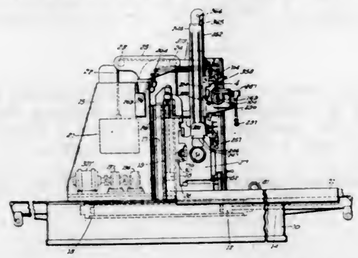


1. In a torsiograph the combination of a shaft the torsional vibrations of which are to be recorded, a mass mounted on the shaft so that it can swing thereon as a pendulum about at least one axis which is parallel to but not coincident with the shaft axis, a stylus moved by and in accordance with the movements of the said mass relatively to the shaft as the latter rotates, said stylus being adapted to make a record of its movements on a strip of material carried on and rotating as a whole with the shaft, and means for moving the strip relatively to the stylus.

2,412,549
AUTOMATIC PATTERN CONTROLLED MILLING MACHINE
Edward W. Yates and Taft S. Armandroff, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application June 10, 1943, Serial No. 490,366
15 Claims. (Cl. 90—13.5)

1. In a pattern controlled machine tool having a cutter support and a work support mounted for three-directional relative movement, the combination of means for automatically controlling the three directions of movement simultaneously including a first pattern controlled automatic tracer for governing two directions of said movement, a second pattern controlled automatic tracer for governing a third direction of said rela-

tive movement, said tracers being mounted on one of said supports, said other support being adapted to support patterns in opposition to said tracers,

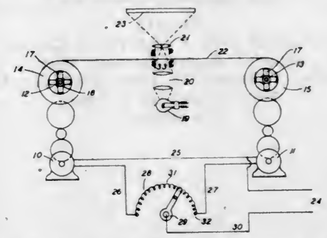


and control interconnections rendering each tracer adaptable to control at least one direction of relative movement between the other tracer and its pattern.

2,412,550
PREPARATION OF ETHYL HALIDES
Donald C. Bond, Northbrook, and Michael Savoy, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 1, 1944, Serial No. 561,486
16 Claims. (Cl. 260—663)

1. The method of preparing ethyl halides comprising contacting a mixture of an ethylene-containing gas and hydrogen halide with a zirconium salt at a temperature at which the ethylene and hydrogen halide combine.

2,412,551
FILM FEEDING DEVICE
Verneur E. Pratt and George F. Gray, Norwalk, Conn.
Application June 10, 1944, Serial No. 539,740
7 Claims. (Cl. 88—28)

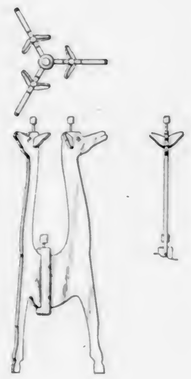


1. In a film feeding device having a lens, a film reel, a shaft therefor, a motor connected to said shaft to drive same in one direction, a second film reel, a shaft therefor, a motor connected to said second shaft to drive same in the opposite direction to said first reel, a film connecting said reels and adapted to be wound from one reel to the other, a friction clutch between each reel and its associated shaft, a fixed film support mounted on said device and fixed in the optical path of the lens thereof, a current supply circuit connecting said motors, and means in said circuit for varying the torque of said motors whereby when one of said motors is winding said film on one of said reels the other motor is acting as a brake on the reel from which the film is being wound whereby said film is tensioned across said support as it traverses same.

DESIGNS

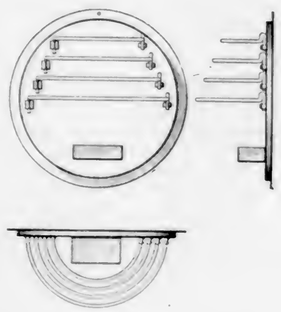
DECEMBER 10, 1946

146,014
DESIGN FOR A CLOTHES RACK
Albert J. Berna, Detroit, Mich.
Application February 18, 1946, Serial No. 126,661
Term of patent 14 years
(Cl. D33—8)



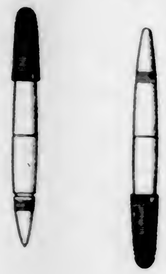
The ornamental design for a clothes rack, substantially as shown.

146,015
DESIGN FOR A TIE RACK
John A. Bittel and Harold E. Bittel, Rochester, N. Y., assignors to George B. Hart, Inc., Rochester, N. Y., a corporation of New York
Application February 18, 1946, Serial No. 126,640
Term of patent 3½ years
(Cl. D33—8)



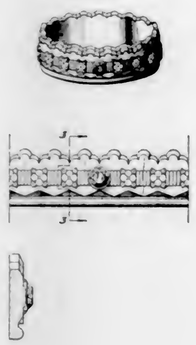
The ornamental design for a tie rack, as shown.

146,016
DESIGN FOR A BALL POINT FOUNTAIN PEN
Laurie J. Campbell and Mahlon Edward Hirsch, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application September 19, 1946, Serial No. 133,412
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a ball point fountain pen, as shown and described.

146,017
DESIGN FOR A FINGER RING
Dwight Cook, Rydal, Pa.
Application December 18, 1945, Serial No. 124,817
Term of patent 7 years
(Cl. D45—10)



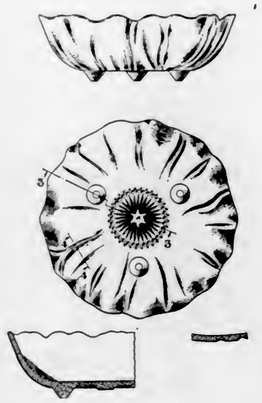
The ornamental design for a finger ring, as shown and described.

146,018
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Samuel Darvie, New York, N. Y.
Application April 5, 1946, Serial No. 128,318
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,019
DESIGN FOR A GLASS BOWL OR ARTICLE OF SIMILAR NATURE
Albert J. Dreitzer. New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application January 15, 1946, Serial No. 125,563
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a glass bowl or article of similar nature, substantially as shown.

146,020
DESIGN FOR A BOX OR THE LIKE
Lyle E. Elliott, Battle Creek, Mich.
Application August 11, 1945, Serial No. 121,394
Term of patent 7 years
(Cl. D58—12.6)



The ornamental design for a box or the like, substantially as shown.

146,021
DESIGN FOR A COAT
Jules Freedman, New York, N. Y.
Application June 26, 1946, Serial No. 131,027
Term of patent 3½ years
(Cl. D3—4)



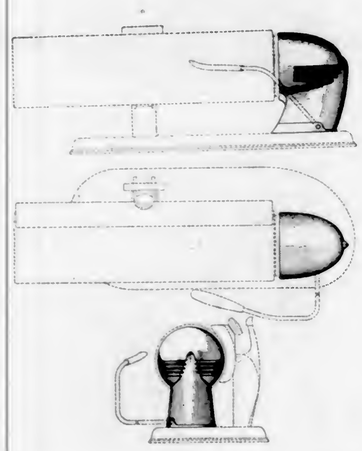
The ornamental design for a coat, substantially as shown.

146,022
DESIGN FOR AN ELECTRIC STEAM RADIATOR
Herbert J. Freyman, New York, N. Y.
Application June 18, 1945, Serial No. 120,181
Term of patent 14 years
(Cl. D81—21)



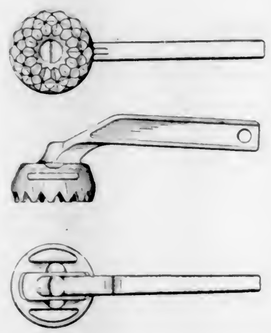
The ornamental design for an electric steam radiator, substantially as shown and described.

146,023
DESIGN FOR AN IRONING MACHINE
Charles J. Godfrey, Philadelphia, Pa., assignor to Horton Manufacturing Company, Fort Wayne, Ind.
Application December 15, 1945, Serial No. 124,765
Term of patent 7 years
(Cl. D49—1)



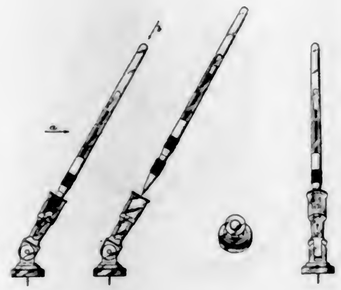
The ornamental design for an ironing machine, as shown and described.

146,024
DESIGN FOR A MEAT TENDERER
Frank B. Graham, Lansing, Mich.
Application November 30, 1945, Serial No. 124,219
Term of patent 14 years
(Cl. D11—1)



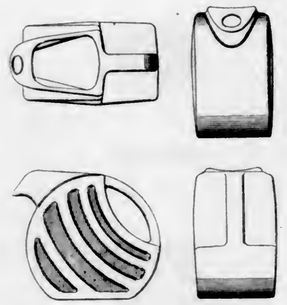
The ornamental design for a meat tenderer, as shown.

146,025
DESIGN FOR A COMBINED MARKING INSTRUMENT AND STAND
Samuel A. Harris, Winston-Salem, N. C.
Application April 26, 1946, Serial No. 128,986
Term of patent 14 years
(Cl. D74—24)



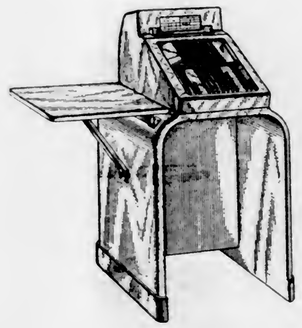
The ornamental design for a combined marking instrument and stand, as shown.

146,026
DESIGN FOR A PITCHER
Harold Taft Homan, San Antonio, Tex., assignor to Alamo Pottery, Inc., San Antonio, Tex.
Application February 12, 1946, Serial No. 126,527
Term of patent 14 years
(Cl. D44—21)



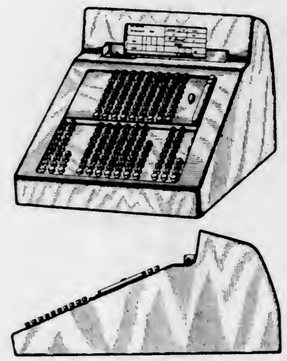
The ornamental design for a pitcher, as shown.

146,027
DESIGN FOR A COMBINED CARD PUNCHING MACHINE AND STAND
Hunter E. Hooe, Chicago, and Thomas O. Mehan, Park Ridge, Ill., assignors to Multi-Sort Systems Incorporated, Chicago, Ill., a corporation of Illinois
Application February 14, 1946, Serial No. 126,558
Term of patent 14 years
(Cl. D64—11)



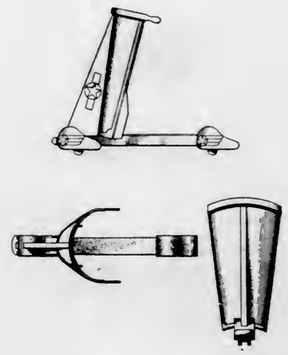
The ornamental design for a combined card punching machine and stand, as shown and described.

146,028
DESIGN FOR A CARD PUNCHING MACHINE
Hunter E. Hooe, Chicago, and Thomas O. Mehan, Park Ridge, Ill., assignors to Multi-Sort Systems Incorporated, Chicago, Ill., a corporation of Illinois
Application February 14, 1946, Serial No. 126,559
Term of patent 14 years
(Cl. D64—11)



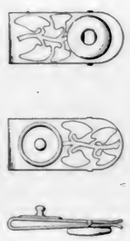
The ornamental design for a card punching machine, as shown and described.

146,029
DESIGN FOR A JUVENILE VEHICLE
Booker T. Johnson, Philadelphia, Pa.
Application August 2, 1945, Serial No. 121,182
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a juvenile vehicle, as shown.

146,030
DESIGN FOR A CLASP-ON SNAP FASTENER
Halpha G. Johnston, Fort Worth, Tex.
Application September 8, 1945, Serial No. 121,950
Term of patent 14 years
(Cl. D17—11)



The ornamental design for a clasp-on snap fastener, substantially as shown.

146,031
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,284
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,032
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,285
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,033
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,286
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,034
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,288
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,035
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,289
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,036
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,290
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,037
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,291
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,038
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,292
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,039
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,293
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,040
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,294
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,041
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,295
Term of patent 7 years
(Cl. D45—9)



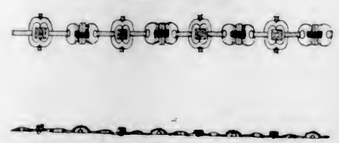
The ornamental design for an earring or similar article, substantially as shown.

146,042
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 9, 1946, Serial No. 127,296
Term of patent 7 years
(Cl. D45—9)



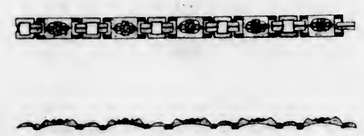
The ornamental design for an earring or similar article, substantially as shown.

146,043
DESIGN FOR A BRACELET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,457
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, substantially as shown.

146,044
DESIGN FOR A BRACELET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,458
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, substantially as shown.

146,045
DESIGN FOR A BRACELET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,461
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, substantially as shown.

146,046
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,463
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,047
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,464
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,048
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,465
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

146,049
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,468
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,050
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,469
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

146,051
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,470
Term of patent 7 years
(Cl. D45—19)



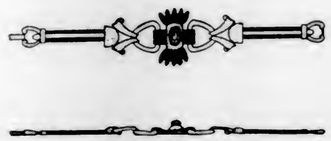
The ornamental design for a separable brooch, substantially as shown.

146,052
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,472
Term of patent 7 years
(Cl. D45—19)



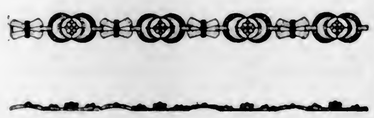
The ornamental design for a brooch or similar article, substantially as shown.

146,053
DESIGN FOR A BRACELET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,474
Term of patent 7 years
(Cl. D45—4)



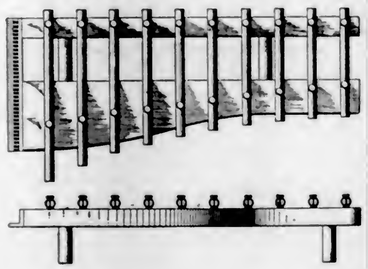
The ornamental design for a bracelet, substantially as shown.

146,054
DESIGN FOR A BRACELET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,476
Term of patent 7 years
(Cl. D45—4)



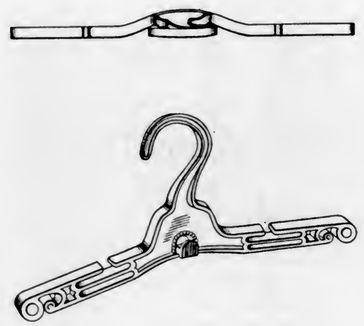
The ornamental design for a bracelet, substantially as shown.

146,055
DESIGN FOR A TOY XYLOPHONE
Arnold F. Korman, Brooklyn, N. Y.
Application January 8, 1946, Serial No. 125,357
Term of patent 3½ years
(Cl. D34—15)



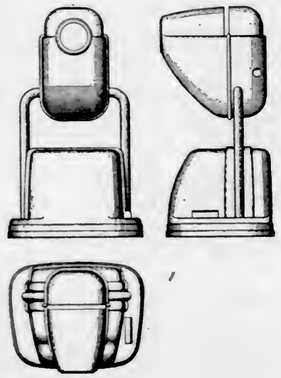
The ornamental design for a toy xylophone, substantially as shown.

146,056
DESIGN FOR A GARMENT HANGER
Leon Levin, New York, N. Y.
Application December 22, 1945, Serial No. 124,987
Term of patent 7 years
(Cl. D80—8)



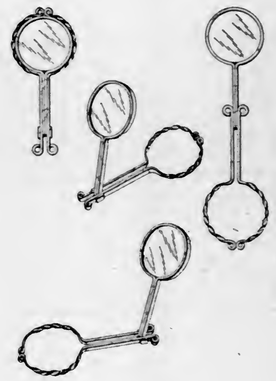
The ornamental design for a garment hanger, substantially as shown.

146,057
DESIGN FOR A FILM SLIDE VIEWER
William A. Lieberman and Jack Warren Thomsen, Chicago, Ill., assignors to Eleanor Jane Lieberman, Chicago, and Beatrice Goldboss, Glencoe, Ill., copartners doing business as Ellengy Sales
Application April 12, 1946, Serial No. 128,500
Term of patent 14 years
(Cl. D61—1)



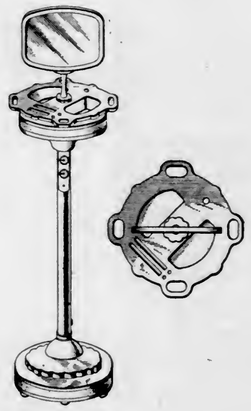
The ornamental design for a film slide viewer, as shown.

146,058
DESIGN FOR A MIRROR
William B. Ligorner, New York, N. Y.
Application December 22, 1945, Serial No. 124,988
Term of patent 14 years
(Cl. D86—10)



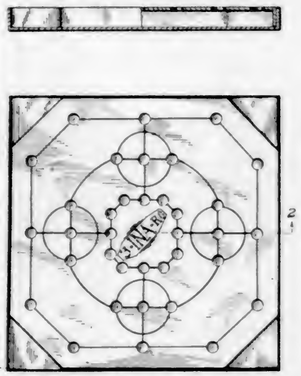
The ornamental design for a mirror, as shown.

146,059
DESIGN FOR A STAND AND APPLIANCE SUPPORT FOR DRESSING HAIR
Hazel May McCalla, Frederick, Md., assignor to Arlington E. Hemp, Burkittsville, Md.
Application May 4, 1946, Serial No. 129,313
Term of patent 14 years
(Cl. D86—10)



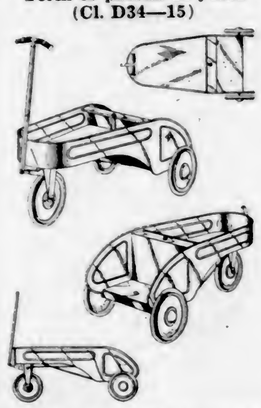
The ornamental design for a stand and appliance support for dressing hair, as shown.

146,060
DESIGN FOR A GAME BOARD
Hrand M. Muncheryan, Alhambra, Calif.
Application January 9, 1946, Serial No. 125,381
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board, as shown.

146,061
DESIGN FOR A COMBINED COASTER WAGON AND SCOOTER
Saul Patner, Chicago, Ill.
Application February 18, 1946, Serial No. 126,681
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a combined coaster wagon and scooter, as shown.

146,062
DESIGN FOR A DOUBLE-HEADED DOLL
Florence B. Salter, New Orleans, La., assignor of twenty-four per cent to Gilbert D. Gayaut and twenty-eight per cent to Kathryn Rhodes, New Orleans, La.
Application October 3, 1945, Serial No. 122,473
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a double-headed doll, as shown and described.

146,063
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Howard Asch, New York, N. Y.
Application June 1, 1945, Serial No. 119,844
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp or similar article, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aircraftsman Co., The, Inglewood, Calif. Skillets. Serial No. 489,553; Dec. 10. Class 13.

Airkem, Inc., New York, N. Y. Odor controlling equipment. Serial No. 504,146; Dec. 10. Class 34.

American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Lawn mowers. Serial No. 482,963; Dec. 10. Class 23.

American Measuring Instruments Corp., New York, N. Y. Precision machine tools. Serial No. 496,532; Dec. 10. Class 23.

Aptaker, Simon, Atlanta, Ga. Lead pencils. Serial Nos. 502,485–6; Dec. 10. Class 37.

Argus, Incorporated, Ann Arbor, Mich. Lenses for scientific apparatus and instruments, prisms, etc. Serial Nos. 473,925–6; Dec. 10. Class 26.

Associated Card and Stationery Company, New York, N. Y. Scrap books. Serial No. 501,625; Dec. 10. Class 37.

Babor, W. F., and Co., Inc., New York, N. Y. Shipping receptacles. Serial No. 474,439; Dec. 10. Class 2.

Bergen Plastics, Inc., Hackensack, N. J. Salt and pepper shakers. Serial No. 504,028; Dec. 10. Class 2.

Boosey & Hawkes Limited, London, England. Electrical sound recording and sound reproducing instruments. Serial No. 488,889; Dec. 10. Class 21.

Breed, Peggy, New York, N. Y. Antiseptics. Serial No. 501,160; Dec. 10. Class 6.

Brunswick-Balke-Collender Company, Wilmington, Del., and Chicago, Ill. Bowling balls. Serial No. 506,731; Dec. 10. Class 22.

Burkart, F., Manufacturing Company, St. Louis, Mo. Dressed horse hair. Serial No. 502,423; Dec. 10. Class 1.

Cammer, Moses, New York, N. Y. Combination pin ball and shooting game. Serial No. 490,228; Dec. 10. Class 22.

Cavalcade Industries, Inc., Chicago, Ill. Electric household refrigerators. Serial No. 503,187; Dec. 10. Class 31.

Charter Seed Company, Twin Falls, Idaho. Vegetable and field seeds. Serial Nos. 502,267–8. Dec. 10. Class 1.

City Machine Company, Piqua, Ohio. Emery Wheel dressers. Serial No. 487,546; Dec. 10. Class 23.

Clark, Robert H., doing business as Robert H. Clark Company, Beverly Hills, Calif. Tool grinders. Serial No. 479,111; Dec. 10. Class 23.

Clark, Robert H., Company: *See*—
Clark, Robert H.

Cohen, Joseph H., & Sons, Inc., New York, N. Y. Men's clothing. Serial No. 503,427; Dec. 10. Class 39.

Crazy Daisy Winder Co., The: *See*—
Springer, Ralph C.

Custom-bilt Pipes, Inc., Indianapolis, Ind. Smokers' pipes. Serial No. 502,123; Dec. 10. Class 8.

Demby, Meyer, New York, N. Y. Electric lamps. Serial No. 492,904; Dec. 10. Class 21.

Dominguez & Dominguez, Limitada, Lisbon, Portugal. Paprika. Serial No. 486,519; Dec. 10. Class 46.

Draga: *See*—
Garapic, Carol D.

Eckhoff, Orville E., San Antonio, Tex. Gas automatic combination broiler, grill, and warming oven, and parts thereof. Serial No. 508,149; Dec. 10. Class 34.

Enterprise Aluminum Company, The, Massillon, Ohio. Base metal cooking hollow ware. Serial No. 498,408; Dec. 10. Class 13.

Executone, Inc., New York, N. Y. Amplified voice type of inter-communication equipment. Serial No. 486,299; Dec. 10. Class 21.

Fairbanks, F. M., & Co.: *See*—
Fairbanks, Frank M.

Fairbanks, Frank M., doing business as F. M. Fairbanks & Co., Seattle, Wash. Dried milk. Serial No. 501,964; Dec. 10. Class 46.

Garapic, Carol D., doing business as Draga, Cleveland, Ohio. School bags. Serial No. 494,602; Dec. 10. Class 3.

Gill, Merwyn C., doing business as Peerless Plastic Products, Montebello, Calif. Fibrous material in sheet form such as cloth and/or paper, impregnated and/or coated with plastic, etc. Serial No. 500,652; Dec. 10. Class 12.

Gold Seal Importers, Inc., New York, N. Y. Simulated leather. Serial No. 497,709; Dec. 10. Class 50.

Graham, Colin, Hassocks, England. Card game. Serial No. 491,040; Dec. 10. Class 22.

Half Moon Fruit & Produce Co., San Francisco, Calif. Persian, casaba, and honeydew fresh melons. Serial No. 498,418; Dec. 10. Class 46.

Hancel Company, The, Los Angeles, Calif. Stereoscopic cameras, stereoscopic viewers, and stereoscopic viewer slides. Serial No. 498,841; Dec. 10. Class 26.

Hirsch, Jerome, doing business as U. S. Stagalite Co., Chicago, Ill. Blanket bags, blouse bags, and lingerie bags. Serial No. 509,002; Dec. 10. Class 2.

Hollander, A., & Son, Inc. Newark, N. J. Fur skins. Serial No. 501,909; Dec. 10. Class 1.

Home Products Laboratories, Jackson Heights, Long Island, assignor to Twinklecraft Laboratories, Inc., Jackson Heights, N. Y. Detergent and water softening material. Serial No. 496,509; Dec. 10. Class 4.

Hopson, Edward F., Miami, Fla. Frames for eyeglasses and sunglasses. Serial No. 489,120; Dec. 10. Class 26.

House of England, Ltd., New York, N. Y. Leather cases for carrying stamps. Serial No. 502,694; Dec. 10. Class 3.

Joyce Manufacturing Co., Chicago, Ill. Toy pianos. Serial No. 501,131; Dec. 10. Class 22.

Kaplan Bros., New York, N. Y. Gas ranges, gas stoves, and gas water heaters. Serial No. 503,163; Dec. 10. Class 34.

Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Flame actuated electric apparatus. Serial No. 485,288; Dec. 10. Class 21.

Kimball-Hill, Incorporated, New York, N. Y. Garden and field hand and power operated cultivators. Serial No. 498,151; Dec. 10. Class 23.

Laclede-Christy Clay Products Company, St. Louis, Mo. Mortar. Serial No. 494,880; Dec. 10. Class 12.

Lehmann, Ernest W., Brooklyn, N. Y. Faucet spray attachments. Serial No. 498,704; Dec. 10. Class 13.

LeTourneau, R. G., Inc., Stockton, Calif. House organ published weekly. Serial No. 488,225; Dec. 10. Class 38.

Liberoff, William, doing business as Tropical Importing Company, Miami, Fla. Sunglasses, optical lenses, and optical frames. Serial No. 498,782; Dec. 10. Class 26.

Londex Limited, London, England. Electric and magnetic relays and parts thereof. Serial No. 468,519; Dec. 10. Class 21.

London Royal Corp., New York, N. Y. Smokers' pipes. Serial No. 501,849; Dec. 10. Class 8.

Luber-Finer Incorporated, Los Angeles, Calif. Refining packs which are in the form of replaceable elements. Serial Nos. 504,050–1; Dec. 10. Class 31.

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. Serial No. 491,861; Dec. 10. Class 26.

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. Serial Nos. 491,863–4; Dec. 10. Class 26.

Markay Waist House, New York, N. Y. Ladies' and misses' blouses. Serial No. 484,210; Dec. 10. Class 39.

Meir, Arthur G., Roanoke, Va. Flashlight cells. Serial No. 497,808; Dec. 10. Class 21.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins in solid and solution forms. Serial No. 501,861; Dec. 10. Class 1.

Morris Mann & Reilly, Chicago, Ill. Ladies' and misses' handbags. Serial No. 495,146; Dec. 10. Class 3.

National Jewel Distributors Inc., New York, N. Y. Pyrophoric lighters and part thereof. Serial No. 487,853; Dec. 10. Class 34.

National Silver Company, New York, N. Y. Bristles for brushes. Serial No. 502,762; Dec. 10. Class 1.

Nielsen Bros., El Centro, Calif. Fresh vegetables. Serial No. 503,589; Dec. 10. Class 46.

Norwalk Lock Company, New York, N. Y. Knockdown toys and toy construction sets. Serial No. 506,119; Dec. 10. Class 22.

Ohio Steel Foundry Company, The, Lima, Ohio. Trays for supporting work during treatment in carburizing or other heat treating furnaces. Serial No. 503,590; Dec. 10. Class 34.

Pack, Arthur A., Jr., doing business as The Pedia Products Company, Silver Spring, Md. Tongue depressors. Serial No. 504,384; Dec. 10. Class 44.

Pal-Tom Manufacturing Corp., New York, N. Y. Toy pistol holsters. Serial Nos. 501,767–8; Dec. 10. Class 22.

Pedia Products Company, The: *See*—
Pack, Arthur A., Jr.

Peerless Plastic Products: *See*—
Gill, Merwyn C.

Pinsky, Sol, doing business as Sherold Specialty Products, New York, N. Y. Ozonizer. Serial No. 499,663; Dec. 10. Class 21.

Protection Products Co., Chicago, Ill. Saddle bags, carryall bags, and key cases. Serial No. 507,421. Dec. 10. Class 3.

Rapsol Process, Inc., New York, N. Y. Vegetable gums. Serial No. 501,597; Dec. 10. Class 1.

Read Machinery Company, Inc., York, Pa. Commercial baking ovens heated by oil, gas, or coal. Serial No. 495,506; Dec. 10. Class 34.

Reeder Manufacturing Company, Los Angeles, Calif. Aluminum cooking ware. Serial No. 498,545; Dec. 10. Class 13.

Rose, Jack, Candies, Inc., Philadelphia, Pa. Candies. Serial No. 497,936; Dec. 10. Class 46.

Ross Engineering & Equipment Co.: *See*—
Ross, Milburn M.

Ross, Milburn M., doing business as Ross Engineering & Equipment Co., Wichita, Kans. Table golf game. Serial No. 492,859; Dec. 10. Class 22.

Rynor, Inc., New York, N. Y. Ladies' and misses' handbags. Serial No. 497,272; Dec. 10. Class 3.

S. & S. Control Corporation, Brooklyn, N. Y. Electric burglar and holdup alarm system. Serial No. 500,582; Dec. 10. Class 21.

Scott Paper Company, Chester, Pa. Cleansing tissues. Serial No. 501,343; Dec. 10. Class 37.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial suspension. Serial Nos. 501,210–11. Dec. 10. Class 6.

Sherold Specialty Products: *See*—
Plinsky, Sol.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compounded oil. Serial No. 499,291; Dec. 10. Class 6.

Somis Lemon Association, Oxnard, Calif. Fresh citrus fruits. Serial No. 503,606; Dec. 10. Class 46.

South Shore Packing Corporation, Vermilion, Ohio. Vegetable and fruit preserves. Serial No. 491,783; Dec. 10. Class 46.

Speaker, J. W., Corporation, Milwaukee, Wis. Repair equipment for rubber articles. Serial No. 468,854; Dec. 10. Class 35.

Spiegel, Inc., Chicago, Ill. Coal, wood, and oil stoves. Serial No. 492,102; Dec. 10. Class 34.

Springer, Ralph C., doing business as The Crazy Daisy Winder Co., Beverly Hills, Calif. Hand knitting tool. Serial No. 486,593; Dec. 10. Class 23.

Tayolr-Winfield Corporation, The, Warren, Ohio. Electric welding apparatus. Serial No. 489,623; Dec. 10. Class 21.

Tech-Art, Inc., Milford, Ohio. Toys. Serial No. 506,273; Dec. 10. Class 22.

Tropical Importing Company: *See*—
Liberoff, William.

Twinklecraft Laboratories, Inc.: *See*—
Home Products Laboratories.

Unadco Manufacturing Company, New Haven, Conn. Charcoal broilers. Serial No. 506,145; Dec. 10. Class 34.

U. S. Stagalite Co.: *See*—
Hirsch, Jerome.

United Wallpaper, Inc., Chicago, Ill. Wallpaper, borders, and decorative paper coverings. Serial No. 502,040; Dec. 10. Class 37.

Viking Tool & Machine Corporation, The, Belleville, N. J. Dies, molds, and tapping and screw forming apparatus. Serial No. 498,665; Dec. 10. Class 23.

Wright's Automatic Machinery Company, Durham, N. C. Weighing machines. Serial No. 501,149; Dec. 10. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

A. B. & W. Transit Company: *See*—
Alexandria, Barcroft & Washington Transit Company.

Accessocraft Products Co., New York, N. Y. Plastic plated jewelry. 425,965; Dec. 10; Serial No. 492,672; published Sept. 10, 1946. Class 28.

Acme-Evans Company: *See*—
Lawrenceburg Roller Mills Company.

Adam, J. N., & Co., Buffalo, N. Y. Men's suits, trousers, coats, etc. 215,744; renewed July 27, 1946. O. G. Dec. 10. Class 39.

Adel Precision Products Corp, Burbank, Calif. Motor operated pumps, hand operated pumps, hydraulic cylinder and piston assemblies, etc. 425,939; Dec. 10; Serial No. 482,827; published Sept. 3, 1946. Class 23.

Alexandria, Barcroft & Washington Transit Company, doing business as A. B. & W. Transit Company, Alexandria, Va. Periodical. 426,044; Dec. 10; Serial No. 499,187; published Sept. 17, 1946. Class 38.

Alpha-Craft Company: *See*—
Meyers, Louis G.

American Grease Stick Company, Muskegon Heights, Mich. Lubricating grease. 426,070; Dec. 10. Class 15.

American Oil Company, The, Baltimore, Md. Automobile storage batteries. 426,010; Dec. 10; Serial No. 496,944; published Sept. 10, 1946. Class 21.

American Swiss File & Tool Company, Elizabeth, N. J. Files. 426,024; Dec. 10; Serial No. 498,104; published Aug. 27, 1946. Class 23.

Ansley Radio Corporation, Long Island City, N. Y. Radio receiving sets, electrically operated phonographs and radio-phonograph combinations. 426,053; Dec. 10. Class 21.

Archer-Daniels-Midland Company: *See*—
Smith, Werner G., Company, The.

Art Wire Stamping Co., Newark, N. J. Snaps, snap swivels, and double snap swivels. 426,067; Dec. 10. Class 22.

Art Wire Stamping Co., Newark, N. J. Swivels. 426,068; Dec. 10. Class 22.

Aseptic Drinking Cup Company, The, Cambridge, Mass., to Butnitol Manufacturing Co., Boston, Mass. Sputumcups. 58,436; re-renewed Dec. 18, 1946. O. G. Dec. 10. Class 44.

Asher & Boretz, Inc., New York, N. Y. Woven cotton fabrics. 425,947; Dec. 10; Serial No. 485,853; published Sept. 10, 1946. Class 42.

Associated Merchandising Corporation, to Associated Merchandising Corporation, New York, N. Y. Swimming suits. 222,150; renewed Dec. 21, 1946. O. G. Dec. 10. Class 39.

Atlas Powder Company, Wilmington, Del. Connecting wire. 426,047; Dec. 10. Class 21.

Atomic Age Publishing Co., Denver, Colo. Magazines. 426,056; Dec. 10. Class 38.

Auto Compressor Company, The, Wilmington, Ohio. Air compressor units. 426,069; Dec. 10. Class 23.

Balaguer, Enrique R., Brooklyn, N. Y. Medicine for stomach troubles. 59,012; re-renewed Dec. 25, 1946. O. G. Dec. 10. Class 6.

Balston, Richard J., to W. & R. Balston, Limited, Springfield Mills, Kent, England. Writing and drawing papers. 55,304–5; re-renewed Aug. 14, 1946. O. G. Dec. 10. Class 37.

Balston, W. & R., Limited: *See*—
Balston, Richard J.

Bendix Aviation Corporation, Teterboro, N. J. Engine starting mechanisms. 425,926; Dec. 10; Serial No. 464,642; published Sept. 17, 1946. Class 23.

Bischoff, Ernst, Company, Inc., Ivoryton, Conn. Thermoplastic potting compound. 425,995; Dec. 10; Serial No. 495,568; published Sept. 3, 1946. Class 21.

Blue Jay Mfg. Co., Huntington, W. Va. Overalls, jackets, playsuits, etc. 220,680–1; renewed Nov. 16, 1946. O. G. Dec. 10. Class 39.

Bond Electric Corporation Division of Western Cartridge Company, New Haven, Conn. Dry batteries. 425,931; Dec. 10; Serial No. 477,595; published May 8, 1945. Class 21.

Bond Junior Clothes, Inc., to Bond Stores, Incorporated, New York, N. Y. Boys' suits, boys' topcoats, and boys' overcoats. 221,517; renewed Dec. 7, 1946. O. G. Dec. 10. Class 39.

Bond Stores, Incorporated: *See*—
Bond Junior Clothes, Inc.

Borden Company, The: *See*—
Borden's Condensed Milk Co.
Borden's Condensed Milk Company.
Lakeshire Cheese Company.

Borden's Condensed Milk Co., Jersey City, N. J., and New York, N. Y., to The Borden Company, New York, N. Y. Butter and cheese. 58,578; re-renewed Dec. 18, 1946. O. G. Dec. 10. Class 46.

Borden's Condensed Milk Company, Jersey City, N. J., and New York, N. Y., to The Borden Company, New York, N. Y. Milk, condensed milk, buttermilk, etc. 58,579; re-renewed Dec. 18, 1946. O. G. Dec. 10. Class 46.

Bugler Brand and Agencies Ltd., The, Vancouver, British Columbia, Canada. Wines. 425,993; Dec. 10; Serial No. 495,537; published Sept. 10, 1946. Class 47.

Bugler Brand and Agencies Ltd., The, Vancouver, British Columbia, Canada. Beer. 425,994; Dec. 10; Serial No. 495,538; published Sept. 10, 1946. Class 48.

Burnitol Manufacturing Co.: *See*—
Aseptic Drinking Cup Company, The.

Burrus Mill and Elevator Co., The, Fort Worth, to Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 220,193; renewed Nov. 2, 1946. O. G. Dec. 10. Class 46.

Canton Trading Co.: *See*—
De Haro, Francis L.

Caplan, Leo, Detroit, Mich. Lawn edgers. 426,004; Dec. 10; Serial No. 496,539; published Sept. 10, 1946. Class 23.

Carter Diamond Tool Company: *See*—
Carter, Donald W.

Carter, Donald W., doing business as Carter Diamond Tool Company, Cleveland, Ohio. Machine tools. 426,073; Dec. 10. Class 23.

Central Safety Deposit Company: *See*—
Western Chain Company.

Chicago Pneumatic Tool Company, New York, N. Y. Certain named cooling and condensing apparatus. 218,300; renewed Sept. 21, 1946. O. G. Dec. 10. Class 23.

Chicago Pneumatic Tool Company, New York, N. Y. Hydraulic riveters. 425,925; Dec. 10; Serial No. 450,047; published Mar. 30, 1943. Class 23.

Coffing Hoist Company, Danville, Ill. Hand operable endless chain powered chain hoists. 425,927; Dec. 10; Serial No. 471,301; published Sept. 10, 1946. Class 23.

Cohen, Goldman & Co. Inc., New York, N. Y. Men's and children's suits. 218,057; renewed Sept. 21, 1946. O. G. Dec. 10. Class 39.

Collins & Aikman Company, to Collins & Aikman Corporation, Philadelphia, Pa. Pile fabrics in piece goods and cut lengths. 218,549–50; renewed Sept. 28, 1946. O. G. Dec. 10. Class 42.

Collins & Aikman Corporation: *See*—
Collins & Aikman Company.

Colonial Mills, Inc., New York, N. Y. Rayon piece-goods. 426,062; Dec. 10. Class 42.

Congoleum-Nairn, Inc., Kearny, N. J. Enamel surface felt base rugs and floor covering. 426,033; Dec. 10; Serial No. 498,503; published Sept. 17, 1946. Class 20.

Consolidated Cosmetics, Chicago, Ill. Scissors. 425,984; Dec. 10; Serial No. 494,658; published Sept. 17, 1946. Class 23.

Corning Leader, Inc., Corning, N. Y. Daily newspaper. 426,009; Dec. 10; Serial No. 496,895; published Sept. 10, 1946. Class 38.

Correctosite Appliance Company, Los Angeles, Calif. Eye exercising apparatus. 426,052; Dec. 10. Class 44.

Cory Corporation: *See*—
Cory Glass Coffee Brewer Co.

Cory Glass Coffee Brewer Co., Chicago, Ill., assignor to Cory Corporation. Combination electrical coffee maker, juicer, and toaster. 426,057; Dec. 10. Class 21.

Cowles Magazines, Inc., Des Moines, Iowa. Section of a regularly issued magazine. 426,031; Dec. 10; Serial No. 498,402; published Sept. 17, 1946. Class 38.

Crates & Bowen, to The Old Settler Company, Findlay, Ohio. Chemical preparation to clear rainwater. 55,811; re-renewed Aug. 21, 1946. O. G. Dec. 10. Class 6.

Crews, Herman A., Winnetka, Ill. Burner control apparatus. 426,046; Dec. 10. Class 21.

Crosley Corporation, The, Cincinnati, Ohio. Monthly news publication. 425,941; Dec. 10; Serial No. 483,133; published Sept. 10, 1946. Class 38.

Culligan Zeolite Company, Northbrook, Ill. Portable and stationary apparatus and machines. 426,059; Dec. 10. Class 23.

Deacon Products, Inc., Moline, Ill. Electrically heated cooking units. 425,971; Dec. 10, 1946; Serial No. 493,258; published Sept. 17, 1946. Class 21.

De Haro, Francis L., doing business as Canton Trading Co., New York, N. Y. Radio and television sets and parts thereof, transmitting and/or receiving antenna, etc. 426,011; Dec. 10, 1946; Serial No. 497,073; published Sept. 17, 1946. Class 21.

Delaney, Harold J., Providence, R. I. Magazine. 426,043; Dec. 10; Serial No. 499,123; published Sept. 17, 1946. Class 38.

Deltox Rug Company, Oshkosh, Wis. Braided wool rugs. 221,734; renewed Dec. 7, 1946. O. G. Dec. 10. Class 42.

De Walt Products Corporation, Lancaster, Pa. Metal-cutting machines. 425,930; Dec. 10; Serial No. 474,584; published Sept. 3, 1946. Class 23.

Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Files and rasps. 426,019; Dec. 10; Serial No. 497,850; published Aug. 27, 1946. Class 23.

Donahoe's Incorporated, Pittsburgh, Pa. Canned vegetables, canned oysters, and eggs sold in boxes. 218,561; renewed Sept. 28. O. G. Dec. 10, 1946. Class 46.

Donaline Publishing Company, Incorporated, The, Columbia, S. C. Periodical publications. 426,034; Dec. 10; Serial No. 498,509; published Sept. 17, 1946. Class 38.

Doyle Manufacturing Corporation, Syracuse, N. Y. Lawn mowers. 426,050; Dec. 10, 1946. Class 23.

Dry-Pack Corporation, New York, N. Y. Soup mix. 426,048; Dec. 10, 1946. Class 46.

Dunham Company, The, to The Dunham Company, Berea, Ohio. Hot-water heaters and hot-water heating and storage systems. 215,967; renewed Aug. 3, 1946. O. G. Dec. 10. Class 34.

Duplex Fabrics Corporation, New York, N. Y. Rayon piece goods. 425,974; Dec. 10; Serial No. 493,921; published Sept. 10, 1946. Class 42.

Eisemann, Erna, doing business as Pygmallon, Chicago, Ill. Mending or sewing kits. 425,987; Dec. 10; Serial No. 494,960; published Aug. 27, 1946. Class 40.

Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. 425,966; Dec. 10; Serial No. 492,696; published Aug. 27, 1946. Class 23.

Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. 425,967–8; Dec. 10; Serial Nos. 492,698–9; published Sept. 10, 1946. Class 23.

Electronic Laboratories, Inc., Indianapolis, Ind. Electric inter-communication loud speaker radio tube-set apparatus. 425,970; Dec. 10; Serial No. 493,110; published Sept. 10, 1946. Class 21.

Encyclopaedia Britannica, Inc., Chicago, Ill. Newsletter. 425,962–3; Dec. 10; Serial Nos. 492,370–1; published Sept. 10, 1946. Class 38.

Etivista Winery & Vineyards, Cucamonga and Etiwanda, Calif. Wines. 425,958; Dec. 10; Serial No. 490,062; published Sept. 17, 1946. Class 47.

Farnam Cheshire Lime Company, Cheshire, Mass., to United States Gypsum Company, Chicago, Ill. Lime. 220,483; renewed Nov. 9, 1946; O. G. Dec. 10. Class 12.

Federal Auto Products Company, Chicago, Ill. Hand pump for bicycles and automobile tires. 426,020; Dec. 10; Serial No. 497,853; published Aug. 20, 1946. Class 23.

Felsenfeld, Jack J., New York, N. Y. Bead-stringing thread. 218,560; renewed Sept. 28, 1946. O. G. Dec. 10. Class 28.

Finchley, Inc., New York, N. Y. Men's sport suits including pants, coats, and vests. 222,032; renewed Dec. 21, 1946. O. G. Dec. 10. Class 39.

Fleischer, Robert, Company, New York, N. Y. Bracelets, brooches, earrings, etc. 426,032; Dec. 10; Serial No. 498,411; published Sept. 17, 1946. Class 28.

Folker Fabrics, New York, N. Y. Textile fabrics in the piece. 425,932; Dec. 10; Serial No. 478,547; published May 7, 1946. Class 42.

Franklin Photographic Industries, Chicago, Ill. Electric phonographs and reproducers. 425,929; Dec. 10; Serial No. 473,600; published Sept. 10, 1946. Class 21.

Freund, Robert, doing business as The Twin Editions, New York, N. Y. Color-prints and books. 425,969; Dec. 10; Serial No. 493,059; published Sept. 10, 1946. Class 38.

Friedman, Abe A., Augusta, Ga. Diamonds, diamond rings, stone rings, etc. 425,945; Dec. 10; Serial No. 485,405; published Sept. 17, 1946. Class 28.

Fulton Leather Goods, Inc., New York, N. Y. Leather bags, suitcases, ralises, etc. 219,223; renewed Oct. 12, 1946. O. G. Dec. 10. Class 3.

Gates Rubber Company, The, Denver, Colo. Grooved pulleys. 426,049; Dec. 10, 1946. Class 23.

Gemco Engineering & Manufacturing Co., Inc., The, Cincinnati, Ohio. Trailers and parts thereof. 425,960; Dec. 10; Serial No. 491,004; published Sept. 10, 1946. Class 19.

General Aircraft Equipment, Inc., South Norwalk, assignor to Panelectric Corporation, South Norwalk, Conn. Mechanical and electrical refrigerating devices, etc. 425,948; Dec. 10; Serial No. 486,365; published Apr. 2, 1946. Class 31.

Gleason Works, Rochester, N. Y. Gears. 426,018; Dec. 10; Serial No. 497,791; published Aug. 27, 1946. Class 23.

Granat Bros., Inc., San Francisco, Calif. Finger rings. 425,942; Dec. 10; Serial No. 483,615; published Sept. 17, 1946. Class 28.

Grand Specialties Company, Chicago, Ill. C-clamps. 426,002; Dec. 10; Serial No. 496,379; published Sept. 3, 1946. Class 23.

Grant Hospital of Chicago, Chicago, Ill. Monthly periodical publication. 426,064; Dec. 10, 1946. Class 38.

Green, H. L., Company, Inc., New York, N. Y. Radio receiving sets. 426,025; Dec. 10; Serial No. 498,137; published Sept. 17, 1946. Class 21.

Griscom-Russell Company, The, New York, N. Y. Feedwater-purifying apparatus. 220,205; renewed Nov. 2, 1946. O. G. Dec. 10. Class 13.

Hansen Glove Corporation: *See*—
Hansen, O. C., Manufacturing Co.

Hansen, O. C., Manufacturing Co., to Hansen Glove Corporation, Milwaukee, Wis. Knit wool-lined driving gloves. 221,255; renewed Nov. 23, 1946. O. G. Dec. 10. Class 39.

Harvey Manufacturing Company, Racine, Wis. Corn shellers. 425,992; Dec. 10; Serial No. 495,028; published Aug. 27, 1946. Class 23.

Heller, B., & Company, Chicago, Ill. Preparation in powder form for use in making frozen desserts. 217,977; renewed Sept. 14, 1946. O. G. Dec. 10. Class 46.

Heller, B., & Company, Chicago, Ill. Flavoring compound. 220,331; renewed Nov. 9, 1946; O. G. Dec. 10. Class 46.

Hence Associates, Inc., Chicago, Ill. Magazine. 425,964; Dec. 10; Serial No. 492,439; published Sept. 10, 1946. Class 38.

Hershey Creamery Company: *See*—
Wolfe, McMillan & Co.

Hock, Phil. J., doing business as Phil. J. Hock & Co., Cincinnati, Ohio. Canned mock turtle soup. 222,004; renewed Dec. 21, 1946. O. G. Dec. 10. Class 46.

Hock, Phil. J., & Co.: *See*—
Hock, Phil. J.

Holophane Company, Inc.: *See*—
Holophane Glass Company, Inc.

Holophane Glass Company, Inc., to Holophane Company, Inc., New York, N. Y. Ornamental table and floor electrical lamps. 220,305; renewed Nov. 9, 1946. O. G. Dec. 10. Class 21.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 222,121; renewed Dec. 21, 1946. O. G. Dec. 10. Class 6.

Huck-Gerhardt Co., Inc., Philadelphia, Pa. Hardwood flooring, glazed and screened porch inclosures, and metal weather strips. 426,066; Dec. 10, 1946. Class 12.

Hudson American Corporation, New York, N. Y. Transformers, radio broadcast receivers and parts therefor, and marine radio telephone transmitters, etc. 426,030; Dec. 10; Serial No. 498,349; published Sept. 10, 1946. Class 21.

Hughes Brushes, Inc.: *See*—
Hughes, Henry L., Co. Inc.

Hughes, Henry L., Co. Inc., to Hughes Brushes, Inc., New York, N. Y. Manicuring instruments. 221,763; renewed Dec. 7, 1946. O. G. Dec. 10. Class 44.

Infilco Incorporated, Chicago, Ill. Filtering apparatus. 425,985; Dec. 10; Serial No. 494,685; published Sept. 17, 1946. Class 31.

International Braid Company, Providence, R. I. Support for Venetian blind slats. 425,977; Dec. 10; Serial No. 494,329; published Aug. 6, 1946. Class 40.

International Braid Company, Providence, R. I. Support for Venetian blind slats. 425,978–80; Dec. 10; Serial Nos. 494,331–33; published Aug. 6, 1946. Class 40.

International Braid Company, Providence, R. I. Support for Venetian blind slats. 425,981; Dec. 10; Serial No. 494,334; published Sept. 10, 1946. Class 40.

Ivy Products Co., New York, N. Y. Hair pins. 425,983; Dec. 10; Serial No. 494,609; published Aug. 27, 1946. Class 40.

Jensen Radio Manufacturing Company, Chicago, Ill. Electrical apparatus. 426,072; Dec. 10. Class 21.

Johnston, Charles N., San Francisco, Berkeley, Palo Alto, and Oakland, Calif. Photographs. 426,026; Dec. 10; Serial No. 498,145; published Aug. 27, 1946. Class 38.

Keith, Geo. E., Company, Brockton, Mass. Leather and canvas boots and shoes. 55,152; re-renewed Aug. 7, 1946. O. G. Dec. 10. Class 39.

King, J. B., & Co., New York, N. Y., to United States Gypsum Company, Chicago, Ill. Plaster of Paris. 57,535; re-renewed Nov. 13, 1946. O. G. Dec. 10. Class 12.

Kisco Company, Inc., St. Louis, Mo. Circulator fan assemblies. 426,017; Dec. 10; Serial No. 497,720; published Aug. 27, 1946. Class 21.

Kohnstamm, H., & Co. Inc.: *See*—
Kohnstamm, H., & Co.

Kohnstamm, H., & Co., to H. Kohnstamm & Co. Inc., New York, N. Y. Laundry starch. 58,105; re-renewed Dec. 4, 1946. O. G. Dec. 10. Class 6.

Kohnstamm, H., & Co., to H. Kohnstamm & Co. Inc., New York, N. Y. Laundry starch. 58,406–7; re-renewed Dec. 11, 1946. O. G. Dec. 10. Class 6.

Koret of California Inc., San Francisco, Calif. Girls' and women's suits and playsuits. 426,045; Dec. 10; Serial No. 500,311; published Sept. 3, 1946. Class 39.

L G Manufacturing Co., Oakland, Calif. Wrenches and other special tools for repairing watches. 426,006; Dec. 10; Serial No. 496,847; published Sept. 10, 1946. Class 23.

Lakeshire Cheese Company, Plymouth, Wis., to The Borden Company, New York, N. Y. Cheese. 221,671; renewed Dec. 7, 1946. O. G. Dec. 10. Class 46.

Lanston Monotype Machine Company, Philadelphia, Pa. Type casting and composing machines. 56,963; re-renewed Oct. 30, 1946. O. G. Dec. 10. Class 23.

Lawrenceburg Roller Mills Company, Lawrenceburg, Ind., and Boston, Mass., to Acme-Evans Company, Indianapolis, Ind. Wheat-flour. 54,470; re-renewed June 26, 1946. O. G. Dec. 10. Class 46.

Leece-Neville Company, The, Cleveland, Ohio. Electrical apparatus. 426,051; Dec. 10. Class 21.

Les Etablissements Poulenc Frères, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Vaccine. 215,467; renewed July 20, 1946. O. G. Dec. 10. Class 6.

Les Etablissements Poulenc Frères, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Larvicide powder. 215,469; renewed July 20, 1946. O. G. Dec. 10. Class 6.

Les Etablissements Poulenc Frères, to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Tartrate of antimony and of sodium. 216,027; renewed Aug. 3, 1946. O. G. Dec. 10. Class 6.

Liquid Carbonic Corporation, The, Chicago, Ill. Carbonating machines, machines for filling bottles, machines for mixing beverages, etc. 425,949; Dec. 10; Serial No. 486,906; published Aug. 27, 1946. Class 23.

Lu Rae Plastic Fabricators: *See*—
Robinson, Louis W.

Malecki, Michael, doing business as Michael Malecki Co., Brooklyn, N. Y. Razor blade holders. 426,013; Dec. 10; Serial No. 497,392; published Sept. 17, 1946. Class 23.

Malecki, Michael, Co.: *See*—
Malecki, Michael.

Manheimer, Louis, & Bros., Chicago, Ill., to Louis Manheimer & Bros., Inc., New York, N. Y. Watch-movements and watchcases. 58,025; re-renewed Dec. 4, 1946. O. G. Dec. 10. Class 27.

Manheimer, Louis, & Bros., Inc.: *See*—
Manheimer, Louis, & Bros.

Mason, William H., Leesburg, Ohio. Canes. 425,975; Dec. 10; Serial No. 494,097; published Sept. 10, 1946. Class 41.

Master Metal Products Inc., Buffalo, N. Y. Garbage and waste cans. 214,562; renewed June 29, 1946. O. G. Dec. 10. Class 2.

McConnel & Co., Limited, Manchester, England. Cotton yarns. 56,072; re-renewed Aug. 21, 1946. O. G. Dec. 10. Class 43.

McHenry-Millhouse Mfg. Co., South Bend, Ind., to United States Gypsum Company, Chicago, Ill. Asphalt roofing shingles. 221,319; renewed Nov. 30, 1946. O. G. Dec. 10. Class 12.

Mectron Corporation, Lawrence, Mass. Electronic devices and equipment. 425,952–3; Dec. 10; Serial Nos. 488,968–9; published Aug. 20, 1946. Class 21.

Meunier, Lillian, Great Neck, N. Y. Lid removers. 426,061; Dec. 10. Class 23.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. 425,934; Dec. 10; Serial No. 481,853; published Sept. 10, 1946. Class 28.

Meyers, Louis G., doing business as Alpha-Craft Company, New York, N. Y. Costume jewelry. 426,035; Dec. 10; Serial No. 498,645; published Sept. 10, 1946. Class 28.

Minerva Corporation of America, New York, N. Y. Radio receiving sets and radio transmitting sets. 425,935; Dec. 10; Serial No. 481,854; published Sept. 3, 1946. Class 21.

Minnesota Linseed Oil Paint Company: *See*—
Ohio Varnish Company, The.

Moore, Maynard H., Jr., Inc., Stoneham, Mass. Plastic coated lacing material. 426,060; Dec. 10. Class 40.

Morris & Yeomans Limited, Redditch, England. Needles, hat pins, toilet pins, etc. 425,946; Dec. 10; Serial No. 485,790; published Aug. 27, 1946. Class 40.

Morse Twist Drill & Machine Company, New Bedford, Mass. Drills, reamers, taps, etc. 56,932; re-renewed Oct. 23, 1946. O. G. Dec. 10. Class 23.

Movado Watch Agency, Inc., New York, N. Y. Watches. 426,028; Dec. 10; Serial No. 498,302; published Sept. 10, 1946. Class 27.

Mutual Orange Distributors, Redlands, Calif. Fresh citrus fruits. 425,957; Dec. 10; Serial No. 489,596; published Sept. 3, 1946. Class 46.

National Rubber Machinery Company, Akron, Ohio. Extrusion presses for plastics. 426,007; Dec. 10; Serial No. 496,855; published Sept. 3, 1946. Class 23.

Nelco Tool Co., Inc., New York, N. Y. Metal cutting tools. 425,937; Dec. 10; Serial No. 482,438; published Oct. 9, 1945. Class 23.

New England Glass Works, Inc., Providence, R. I. Ornamental jewelry. 426,022; Dec. 10; Serial No. 498,072; published Sept. 10, 1946. Class 28.

New England Trawler Equipment Co., Chelsea, Mass. Marine and deep sea fishing equipment. 425,982; Dec. 10; Serial No. 494,457; published Sept. 17, 1946. Class 19.

Noma, Incorporated, assignee: *See*—
Toni, Incorporated.

Norcross, New York, N. Y. Greeting cards and greeting folders, etc. 425,944; Dec. 10; Serial No. 483,913; published Sept. 3, 1946. Class 38.

Nukem Products Corporation, Buffalo, N. Y. Window cleaner. 222,134; renewed Dec. 21, 1946. O. G. Dec. 10. Class 4.

Ohio Brewery, Inc., Columbus, Ohio. Bottle beer. 425,938; Dec. 10; Serial No. 482,637; published Sept. 17, 1946. Class 48.

Ohio Varnish Company, The, Cleveland, Ohio, to Minnesota Linseed Oil Paint Company, Minneapolis, Minn. White enamel. 221,238; renewed Nov. 23, 1946. O. G. Dec. 10. Class 16.

Old Settler Company, The: *See*—
Crates & Bowen.

Oster Manufacturing Company, The, Cleveland, Ohio. Semi-portable pipe, bolt, and rod threading and cutting off machine. 426,003; Dec. 10; Serial No. 496,401; published Sept. 3, 1946. Class 23.

Pacific Portland Cement Company: *See*—
Pacific Portland Cement Company, Consolidated.

Pacific Portland Cement Company, Consolidated, to Pacific Portland Cement Company, San Francisco, Calif. Cement and calcined gypsum. 222,079; renewed Dec. 21, 1946. O. G. Dec. 10. Class 12.

Panelectric Corporation: *See*—
General Aircraft Equipment, Inc.

Pantex Manufacturing Corporation, Pawtucket, R. I. Commercial laundry and dry cleaning equipment. 426,012; Dec. 10; Serial No. 497,124; published Sept. 17, 1946. Class 24.

Pantex Manufacturing Corporation, Pawtucket, R. I. Commercial laundry and dry cleaning equipment. 426,014; Dec. 10; Serial No. 497,405; published Sept. 17, 1946. Class 24.

Paper Specialty Company, Wausaw, Wis. Cupboard paper and paper for lining shelves, drawers, and similar household purposes. 220,297–8; renewed Nov. 9, 1946. O. G. Dec. 10. Class 37.

Parfumerie Roger et Gallet, Paris, France. Pastes and powders. 216,472; renewed Aug. 10, 1946. O. G. Dec. 10. Class 6.

Peerless Tool & Engineering Co., Chicago, Ill. Lathe attachment. 426,055; Dec. 10. Class 23.

Pettress, Lillian, doing business as Solar Hair and Scalp Co., New York, N. Y. Hair grower, scalp cream, and hair dressing. 425,950; Dec. 10; Serial No. 487,295; published July 16, 1946. Class 6.

Pittsburgh Steel Company, Pittsburgh, Pa. Wire fencing. 217,532; renewed Aug. 31, 1946. O. G. Dec. 10. Class 13.

Pittsburgh Steel Company, Pittsburgh, Pa. Wire nails and cement-coated nails. 218,847; renewed Oct. 5, 1946. O. G. Dec. 10. Class 13.

Potter Drug & Chemical Corporation, Portland, Maine, and Boston, Mass., to Potter Drug & Chemical Corporation, Malden, Mass. Medicinal plaster. 58,770; re-renewed Dec. 25, 1946. O. G. Dec. 10. Class 6.

Pygmalion: *See*—
Eiseman, Erna.

Radio Corporation of America, New York, N. Y. Vacuum tubes and valves, vacuum tube and crystal detectors, etc. 215,343; re-renewed July 13, 1946. O. G. Dec. 10. Class 21.

Radio Receptor Company, Inc., New York, N. Y. Selenium rectifiers. 426,027; Dec. 10; Serial No. 498,254; published Sept. 3, 1946. Class 21.

Rapid-Tiltan Mfg. Co., Grand Rapids, Mich. C-type clamps. 425,972; Dec. 10; Serial No. 493,824; published Aug. 20, 1946. Class 23.

Reckitt & Colman Limited, Hull, England. Preparation of mustard forming a relish, condiment, or sauce. 425,951; Dec. 10. Serial No. 488,774; published Sept. 10, 1946. Class 46.

Reeves & Sons Limited, Dalston, London, England. Artists' colors. 217,279; renewed Aug. 31, 1946. O. G. Dec. 10. Class 16.

Reeves & Sons Limited, Dalston, London, England. Mediums, size, and varnish. 217,290; renewed Aug. 31, 1946. O. G. Dec. 10. Class 16.

Richmond-Phillips, New York, N. Y. Sachet articles. 426,005; Dec. 10; Serial No. 496,573; published Sept. 3, 1946. Class 40.

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Piece goods of cotton, rayon, wool, etc. 425,961; Dec. 10; Serial No. 491,734; published Mar. 19, 1946. Class 42.

Roberk Company, The: *See*—
Robins-Berke Co.

Robins-Berke Co., assignor to The Roberk Company, Norwalk, Conn. Rear vision mirrors and parts therefor. 425,955; Dec. 10; Serial No. 489,285; published Sept. 10, 1946. Class 19.

Robinson, Louis W., doing business as Lu Rae Plastic Fabricators, Kansas City, Mo. Electric lamps. 426,008; Dec. 10; Serial No. 496,862; published Sept. 3, 1946. Class 21.

Rodlti, D., & Sons, Inc., New York, N. Y. Costume jewelry, and bracelets, fingers rings, necklaces, etc. 426,023; Dec. 10; Serial No. 498,082; published Sept. 10, 1946. Class 28.

Rosenbloom, Morris, & Co., Inc., Rochester, N. Y. Finger rings. 425,986; Dec. 10; Serial No. 494,799; published Sept. 10, 1946. Class 28.

Rototiller Inc., Troy, N. Y. Soil tilling and cultivating machines. 426,015; Dec. 10; Serial No. 497,498; published Aug. 20, 1946. Class 23.

Rowntree & Company Limited, York, England. Candy. 217,052; renewed Aug. 24, 1946. O. G. Dec. 10. Class 46.

San Francisco Sulphur Company, The, to Stauffer Chemical Company, San Francisco, Calif. Flowers of sulfur. 58,090; re-renewed Dec. 4, 1946. O. G. Dec. 10. Class 6.

Scalamandré, Franco, doing business as Scalamandré Silks, New York, N. Y. Textile fabrics in the piece. 425,988; Dec. 10; Serial No. 494,980; published Sept. 17, 1946. Class 42.

Scalamandré Silks: *See*—
Scalamandré, Franco.

Schauer Machine Company, Cincinnati, Ohio. Copper oxide type dry rectifiers and selenium type dry rectifiers. 426,016; Dec. 10; Serial No. 497,680; published Aug. 20, 1946. Class 21.

Schiled, Vern L., Waverly, Iowa. Earth moving machinery. 426,054; Dec. 10. Class 23.

Schlumbohm, Peter, New York, N. Y. Garbage pails and preshaped paper liners for garbage pails. 426,065; Dec. 10. Class 2.

Scholastic Corporation, New York, N. Y. Feature page in a weekly periodical. 425,956; Dec. 10; Serial No. 489,492; published Sept. 10, 1946. Class 38.

Sears, Roebuck and Co., Chicago, Ill. Electric range surface heating units. 426,001; Dec. 10; Serial No. 496,339; published Sept. 10, 1946. Class 21.

Shaw, Jardine & Co., Limited, Manchester, England. Cotton yarns. 56,052; re-renewed Aug. 21, 1946. O. G. Dec. 10. Class 43.

Shepard Elevator Company, The, Cincinnati, Ohio. Electrical passenger elevators. 426,071; Dec. 10. Class 21.

Smidth, F. L., & Co., New York, N. Y. Linings for tube mills. 426,021; Dec. 10; Serial No. 497,976; published Sept. 3, 1946. Class 23.

Smith, Werner G., Company, The, Cleveland, Ohio, to Archer-Daniels-Midland Company, Minneapolis, Minn. Core oils and oils for other foundry purposes. 220,703; renewed Nov. 16, 1946. O. G. Dec. 10. Class 5.

Societe des Usines Chimiques Rhone-Poulenc: *See*—
Les Etablissements Poulenc Frères.

Society of the Divine Word, Techny, Ill. Pure wheat flour. 217,060; renewed Aug. 24, 1946. O. G. Dec. 10. Class 46.

Solar Hair and Scalp Co.: *See*—
Pettress, Lillian.

Spiegel, Inc., Chicago, Ill. Milking machines, and cream separators. 425,943; Dec. 10; Serial No. 483,635; published Aug. 27, 1946. Class 23.

Standard Laboratories, Inc.: *See*—
Sutherland, E. E., Medicine Co., The.

Stauffer Chemical Company: *See*—
San Francisco Sulphur Company.

Stevenson's Moygashel Linens, Ltd., New York, N. Y. Linen piece goods. 425,998; Dec. 10; Serial No. 496,051; published Sept. 17, 1946. Class 42.

Strauss, Victor, New York, N. Y. Books, catalogues, posters, etc. 425,933; Dec. 10; Serial No. 481,444; published Oct. 23, 1945. Class 38.

Superior Cement Corporation: *See*—
Wellston Iron Furnace Company, The.

Sutherland, E. E., Medicine Co., The, Paducah, Ky., to Standard Laboratories, Inc., New York, N. Y. Preparations for the cure and alleviation of coughs, lung and bronchial affections, etc. 54,991; re-renewed Aug. 7, 1946. O. G. Dec. 10. Class 6.

Swift & Company: *See*—
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Pickled or corned beef. 56,103; re-renewed Aug. 21, 1946. O. G. Dec. 10. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Lard and lard compound. 56,976; re-renewed Oct. 30, 1946. O. G. Dec. 10. Class 46.

Swift and Company, to Swift & Company, Chicago, Ill. Smoked or cured hams, bacon, and shoulders. 56,977; re-renewed Oct. 30, 1946. O. G. Dec. 10. Class 46.

Syndicat des Fabricants de Soieries et Tissus de Lyon, Lyon, France. Piece goods composed wholly or in part of wool, hair, silk, etc. 425,973; Dec. 10; Serial No. 493,846; published Sept. 17, 1946. Class 42.

Taber, Bushnell & Co., assignor to Taber, Bushnell & Company, Inc., Minneapolis, Minn. Lighters. 426,063; Dec. 10. Class 34.

Taber, Bushnell & Company, Inc.: *See*—
Taber, Bushnell & Co.

Technifinish Laboratory, Inc., Rochester, N. Y. Photographic prints. 425,996; Dec. 10; Serial No. 495,844; published Sept. 17, 1946. Class 38.

Texas Pacific Coal and Oil Company, Fort Worth, Tex. Certain named refined petroleum products. 216,437; renewed Aug. 10, 1946. O. G. Dec. 10. Class 15.

Tex-O-Kan Flour Mills Co.: *See*—
Burrus Mill and Elevator Co.

Tips Magazine, Inc., New York, N. Y. Weekly periodical. 426,040; Dec. 10; Serial No. 498,737; published Sept. 17, 1946. Class 38.

Toni, Incorporated, assignor to Noma, Incorporated, St. Paul, Minn. Non-electrical hair curlers. 425,976; Dec. 10; Serial No. 494,143; published Sept. 10, 1946. Class 40.

Tucker & Sons, Grass Valley, Calif. Automotive vehicles. 425,928; Dec. 10; Serial No. 473,436; published Sept. 10, 1946. Class 19.

Twin Editions, The: *See*—
Freund, Robert.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 56,195; re-renewed Aug. 28, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 57,184–6; re-renewed Nov. 6, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 57,188–9; re-renewed Nov. 6, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 57,191–2; re-renewed Nov. 6, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 57,203; re-renewed Nov. 6, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 58,326–7; re-renewed Dec. 11, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 58617–18; re-renewed Dec. 18, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 58,667; re-renewed Dec. 18, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 58,669; re-renewed Dec. 18, 1946. O. G. Dec. 10. Class 2.

Union Bag & Paper Corporation: *See*—
Union Bag & Paper Company, The.

Union Fork and Hoe Company, The, Columbus, Ohio. Hand operated tools. 425,940; Dec. 10; Serial No. 483,045; published Sept. 3, 1946. Class 23.

Union Pin Company, The, Winsted, Conn. Common pins. 425,997; Dec. 10; Serial No. 496,000; published Sept. 3, 1946. Class 40.

United States Gypsum Company: *See*—
Farnam Cheshire Lime Company.
King, J. B. & Co.
McHenry-Millhouse Mfg. Co.

United States Gypsum Company, Chicago, Ill. Agricultural gypsum, land plaster. 220,362; renewed Nov. 9, 1946. O. G. Dec. 10. Class 10.

Vaco Products Company, assignor to Vaco Products Company, Chicago, Ill. Steel hand tools. 425,989–90; Dec. 10; Serial Nos. 494,984–5; published Sept. 10, 1946. Class 23.

Vaco Products Company, assignor to Vaco Products Company, Chicago, Ill. Steel hand tools. 425,991; Dec. 10; Serial No. 494,991; published Sept. 10, 1946. Class 23.

Vertrod Corporation, New York, N. Y. Radio antennas. 426,029; Dec. 10; Serial No. 498,331; published Sept. 10, 1946. Class 21.

Waltham Watch Company, Waltham, Mass. Watches. 425,936; Dec. 10; Serial No. 482,081; published Sept. 10, 1946. Class 27.

Walther Manufacturing Company, Philadelphia, Pa. Woolen piece goods. 425,999–426,000; Dec. 10; Serial Nos. 496,183–4; published Sept. 17, 1946. Class 42.

Walton Products Co., Woodstock, Ill. Tool boxes. 426,058; Dec. 10. Class 2.

Wangenheim, Klauber Co., San Diego, Calif. Canned fruits and canned vegetables. 58,148; re-renewed Dec. 4, 1946. O. G. Dec. 10. Class 46.

Watco Engineering, Inc., Cleveland, Ohio. Fluorescent lighting fixtures. 425,959; Dec. 10; Serial No. 490,866; published Aug. 20, 1946. Class 21.

Wellston Iron Furnace Company, The, Jackson, to Superior Cement Corporation, Portsmouth, Ohio. Mortar. 218,662; renewed Sept. 28, 1946. O. G. Dec. 10. Class 12.

Western Chain Company, to Central Safety Deposit Company, Chicago, Ill. Tire or skid chains. 214,888; renewed July 6, 1946. O. G. Dec. 10. Class 13.

Western Chain Company, to Central Safety Deposit Company, Chicago, Ill. Tire or skid chains. 214,895; renewed July 6, 1946. O. G. Dec. 10. Class 13.

Western Waterproofing Company, Inc., Boston, Mass. Asphalt preparation. 215,891; renewed Aug. 3, 1946. O. G. Dec. 10. Class 12.

Wheatley Mayonnaise Co., Inc., Louisville, Ky. Mayonnaise, sandwich spread, home style dill pickles, etc. 425,954; Dec. 10; Serial No. 489,242; published Sept. 17, 1946. Class 46.

White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. 426,036; Dec. 10; Serial No. 498,666; published Sept. 17, 1946. Class 38.

White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. 426,037; Dec. 10; Serial No. 498,668; published Sept. 17, 1946. Class 38.

White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. 426,038–9; Dec. 10; Serial Nos. 498,670–1; published Sept. 17, 1946. Class 38.

Witte, Charles A., Chicago, Ill. Coach trailers. 426,041–2. Dec. 10; Serial Nos. 498,969–70; published Sept. 17, 1946. Class 19.

Wolfe, McMillan & Co., Philadelphia, to Hershey Creamery Company, Harrisburg, Pa. Formosa tea. 29,199; renewed Nov. 24, 1946. O. G. Dec. 10. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bags, Paper. Union Bag & Paper Company. 56,195; re-renewed Aug. 28, 1946. O. G. Dec. 10.

Bags, Paper. Union Bag & Paper Company. 57,184–6; re-renewed Nov. 6, 1946. O. G. Dec. 10.

Bags, Paper. Union Bag & Paper Company. 57,188–9; re-renewed Nov. 6, 1946. O. G. Dec. 10.

Bags, Paper. Union Bag & Paper Company. 57,191–2; re-renewed Nov. 6, 1946. O. G. Dec. 10.

Bags, Paper. Union Bag & Paper Company. 57,203; re-renewed Nov. 6, 1946. O. G. Dec. 10.

Bags, Paper. Union Bag & Paper Company. 58,326–7; re-renewed Dec. 11, 1946. O. G. Dec. 10.

Bags, Paper. Union Bag & Paper Company. 58,617–18; re-renewed Dec. 18, 1946. O. G. Dec. 10.

Bags, Paper. Union Bag & Paper Company. 58,667; re-renewed Dec. 18, 1946. O. G. Dec. 10.

Bags, Paper. Union Bag & Paper Company. 58,669; re-renewed Dec. 18, 1946. O. G. Dec. 10.

Boxes, Tool. Walton Products Co. 426,058; Dec. 10.

Cans, Garbage and waste. Master Metal Products Inc. 214,562; renewed June 29, 1946. O. G. Dec. 10.

Pails and preshaped paper liners for garbage pails, Garbage. P. Schlumbohm. 426,065; Dec. 10.

CLASS 3

Bags, suitcases, valises, etc., Leather. Fulton Leather Goods, Inc. 219,223; renewed Oct. 12, 1946. O. G. Dec. 10.

CLASS 4

Cleaner, Window. Nukem Products Corporation. 222,134; renewed Dec. 21, 1946. O. G. Dec. 10.

CLASS 5

Core oils and oils for other foundry purposes. Werner G. Smith Company. 220,703; renewed Nov. 16, 1946. O. G. Dec. 10.

CLASS 6

Chemical preparation to clear rainwater. Crates & Bowen. 55,811; re-renewed Aug. 21, 1946. O. G. Dec. 10.

Hair grower, scalp cream, and hair dressing. L. Pettress. 425,950; Dec. 10; Serial No. 487,295; published July 16, 1946.

Medicinal plaster. Potter Drug & Chemical Corporation. 58,770; re-newed Dec. 25, 1946. O. G. Dec. 10.

Medicine for stomach troubles. E. R. Balaguer. 59,012; re-renewed Dec. 25, 1946. O. G. Dec. 10.

Pastes and powders. Parfumerie Roger et Gallet. 216,472; renewed Aug. 10, 1946. O. G. Dec. 10.

Perfume, toilet water, face powder, etc. Houbigant, Inc. 222,121; renewed Dec. 21, 1946. O. G. Dec. 10.

Powder, Larvicide. Les Etablissements Poulenc Frères. 215,469; renewed July 20, 1946. O. G. Dec. 10.

Preparations for the cure and alleviation of coughs, lung and bronchial affections, etc. E. E. Sutherland Medicine Co. 54,991; re-renewed Aug. 7, 1946. O. G. Dec. 10.

Starch, Laundry. H. Kohnstamm & Co. 58,105; re-renewed Dec. 4, 1946. O. G. Dec. 10.

Starch, Laundry. H. Kohnstamm & Co. 58,406–7; re-newed Dec. 11, 1946. O. G. Dec. 10.

Sulfur, Flowers of. San Francisco Sulphur Company. 58,090; re-renewed Dec. 4, 1946. O. G. Dec. 10.

Tartrate of antimony and of sodium. Les Etablissements Poulenc Frères. 216,027; renewed Aug. 3, 1946. O. G. Dec. 10.

Vaccine. Les Etablissements Poulenc Frères. 215,467; renewed July 20, 1946. O. G. Dec. 10.

CLASS 10

Gysum, land plaster, Agricultural. United States Gypsum Company. 220,362; renewed Nov. 9, 1946. O. G. Dec. 10.

CLASS 12

Asphalt preparation. Western Waterproofing Company, Inc. 215,891; renewed Aug. 3, 1946. O. G. Dec. 10.

Cement and calcined gypsum. Pacific Portland Cement Company, Consolidated. 222,079; renewed Dec. 21, 1946. O. G. Dec. 10.

Flooring, glazed and screened porch inclusures, and metal weather strips. Huck-Gerhardt Co., Inc. 426,066; Dec. 10.

Lime. Farnam Cheshire Lime Company. 220,483; renewed Nov. 9, 1946. O. G. Dec. 10.

Mortar. Wellston Iron Furnace Company. 218,662; renewed Sept. 28, 1946. O. G. Dec. 10.

Plaster of Paris. J. B. King & Co. 57,535; re-renewed Nov. 13, 1946. O. G. Dec. 10.

Shingles, Asphalt roofing. McHenry-Millhouse Mfg. Co. 221,319; renewed Nov. 30, 1946. O. G. Dec. 10.

CLASS 13

Chains, Tire or skid. Western Chain Company. 214,888; renewed July 6, 1946; published Dec. 10, 1946.

Chains, Tire or skid. Western Chain Company. 214,895; renewed July 6, 1946. O. G. Dec. 10.

Feed-water-purifying apparatus. Griscom-Russell Company. 220,205; renewed Nov. 2, 1946. O. G. Dec. 10.

Nails and cement-covered nails, Wire. Pittsburgh Steel Company. 218,847; renewed Oct. 5, 1946; O. G. Dec. 10.

Wire fencing. Pittsburgh Steel Company. 217,532; renewed Aug. 31, 1946. O. G. Dec. 10.

CLASS 15

Grease, Lubricating. American Grease Stick Company. 426,070; Dec. 10.

Petroleum products, Certain named refined. Texas Pacific Coal and Oil Company. 216,437; renewed Aug. 10, 1946. O. G. Dec. 10.

CLASS 16

Colors, Artists'. Reeves & Sons Limited. 217,279; renewed Aug. 31, 1946. O. G. Dec. 10.

Enamel, White. Ohio Varnish Company. 221,238; renewed Nov. 23, 1946. O. G. Dec. 10.

Mediums, size, and varnish. Reeves & Sons Limited. 217,290; renewed Aug. 31, 1946. O. G. Dec. 10.

CLASS 19

Fishing equipment, Marine and deep sea. New England Trawler Equipment Co. 425,982; Dec. 10; Serial No. 494,457; published Sept. 17, 1946.

Mirrors and parts therefor, Rear vision. Robins-Berke Co. 425,955; Dec. 10; Serial No. 489,285; published Sept. 10, 1946.

Trailers and parts thereof. Gemco Engineering & Manufacturing Co., Inc. 425,960; Dec. 10; Serial No. 491,004; published Sept. 10, 1946.

Trailers, Coach. C. A. Witte. 426,041–2; Dec. 10; Serial Nos. 498,969–70; published Sept. 17, 1946.

Vehicles, Automotive. Tucker & Sons. 425,928; Dec. 10; Serial No. 473,436; published Sept. 10, 1946.

CLASS 20

Rugs and floor covering, Enamel surface felt base. Congoleum-Nairn, Inc. 426,033; Dec. 10; Serial No. 498,503; published Sept. 17, 1946.

CLASS 21

Antennas, Radio. Vertrod Corporation. 426,029; Dec. 10; Serial No. 498,331; published Sept. 10, 1946.

Batteries, Automobile Storage. American Oil Company. 426,010; Dec. 10; Serial No. 496,944; published Sept. 10, 1946.

Batteries, Dry. Bond Electric Corporation Division of Western Cartridge Company. 425,931; Dec. 10; Serial No. 477,595; published May 8, 1945.

Burner control apparatus. H. A. Crews. 426,046; Dec. 10.

Coffee maker, juicer, and toaster, Combination electrical. Cory Glass Coffee Brewer Co. 426,057; Dec. 10.

Cooking units, Electrically heated. Deacon Products, Inc. 425,971; Dec. 10; Serial No. 493,258; published Sept. 17, 1946.

Electric range surface heating units. Sear, Roebuck and Co. 426,001; Dec. 10; Serial No. 496,339; published Sept. 10, 1946.

Electrical apparatus. Jensen Radio Manufacturing Company. 426,072; Dec. 10.

Electrical apparatus. Leece-Neville Company. 426,051; Dec. 10.

Electrical lamps, Ornamental table and floor. Holophane Glass Company, Inc. 220,305; renewed Nov. 9, 1946. O. G. Dec. 10.

Electronic devices and equipment. Mectron Corporation. 425,952–3; Dec. 10; Serial Nos. 488,968–9; published Aug. 20, 1946.

Elevators, Electrical passenger. Shepard Elevator Company. 426,071; Dec. 10.

Fan assemblies, Circulator. Kisco Company, Inc. 426,017. Dec. 10; Serial No. 497,720; published Aug. 27, 1946.

Lamps, Electric. L. W. Robinson. 426,008; Dec. 10; Serial No. 496,862; published Sept. 3, 1946.

Lighting fixtures, Fluorescent. Watco Engineering, Inc. 425,959; Dec. 10; Serial No. 490,866; published Aug. 20, 1946.

Phonographs and reproducers, Electric. Franklin Photographic Industries. 425,929. Dec. 10; Serial No. 473,600; published Sept. 10, 1946.

Potting compound, Thermo-plastic. Ernst Bischoff Company, Inc. 425,995; Dec. 10; Serial No. 495,568; published Sept. 3, 1946.

Radio and television sets and parts thereof, transmitting and/or receiving antenna, etc. F. L. De Haro. 426,011. Dec. 10; Serial No. 497,073; published Sept. 17, 1946.

Radio receiving sets. H. L. Green Company, Inc. 426,025; Dec. 10; Serial No. 498,137; published Sept. 17, 1946.

Radio receiving sets and radio transmitting sets. Minerva Corporation of America. 425,935; Dec. 10; Serial No. 481,854; published Sept. 3, 1946.

Radio receiving sets, electrically operated phonographs, and radio-phonograph combinations. Ansley Radio Corporation. 426,053; Dec. 10.

Radio tube-set apparatus, Electric inter-communication loud speaker. Electronic Laboratories, Inc. 425,970; Dec. 10; Serial No. 493,110; published Sept. 10, 1946.

Rectifiers and selenium type dry rectifiers, Copper oxide type dry. Schauer Machine Company. 426,016. Dec. 10; Serial No. 497,680; published Aug. 20, 1946.

Rectifiers, Selenium. Radio Receptor Company, Inc. 426,027; Dec. 10; Serial No. 498,254; published Sept. 3, 1946.

Transformers, radio broadcast receivers and parts therefor, and marine radio telephone transmitters, etc. Hudson American Corporation. 426,030; Dec. 10; Serial No. 498,349; published Sept. 10, 1946.

Tubes and valves, vacuum tube and crystal detectors, Vacuum. Radio Corporation of America. 215,343; renewed July 13, 1946. O. G. Dec. 10.

Wire, Connecting. Atlas Powder Company. 426,047; Dec. 10.

CLASS 22

Snaps, snap swivels, and double snap swivels. Art Wire Stamping Co. 426,067. Dec. 10.

Swivels. Art Wire Stamping Co. 426,068; Dec. 10.

CLASS 23

Air compressor units. Auto Compressor Company. 426,069; Dec. 10.

Blade holders, Razor. M. Malecki. 426,013; Dec. 10; Serial No. 497,392; published Sept. 17, 1946.

C-clamps. Grand Specialties Company. 426,002; Dec. 10; Serial No. 496,379; published Sept. 3, 1946.

Carbonating machines, machines for filling bottles, machines for mixing beverages, etc. Liquid Carbonic Corporation. 425,949; Dec. 10; Serial No. 486,906; published Aug. 27, 1946.

Clamps, C-type. Rapid-Titan Mfg. Co. 425,972; Dec. 10; Serial No. 493,824; published Aug. 20, 1946.

Cooling and condensing apparatus, Certain named. Chicago Pneumatic Tool Company. 218,300; renewed Sept. 21, 1946. O. G. Dec. 10.

Cutting machines, Metal. De Walt Products Corporation. 425,930; Dec. 10; Serial No. 474,584; published Sept. 3, 1946.

Drills, reamers, taps, etc. Morse Twist Drill & Machine Company. 56,932; re-renewed Oct. 23, 1946. O. G. Dec. 10.

Edgers, Lawn. L. Caplan. 426,004; Dec. 10; Serial No. 496,539; published Sept. 10, 1946.

Files. American Swiss File & Tool Company. 426,024; Dec. 10; Serial No. 498,104; published Aug. 27, 1946.

Files and rasps. Henry Disston & Sons, Incorporated. 426,019; Dec. 10; Serial No. 497,850; published Aug. 27, 1946.

Gears. Gleason Works. 426,018; Dec. 10; Serial No. 497,791; published Aug. 27, 1946.

Hoists, Hand operable endless chain powered chain. Coffing Hoist Company. 425,927; Dec. 10; Serial No. 471,301; published Sept. 10, 1946.

Lathe attachment. Peerless Tool & Engineering Co. 426,055; Dec. 10.

Lawn mowers. Doyle Manufacturing Corporation. 426,050; Dec. 10.

Lid removers. L. Meunier. 426,061; Dec. 10.

Linings for tube mills. F. L. Smidth & Co. 426,021; Dec. 10; Serial No. 497,976; published Sept. 3, 1946.

Milking machines, and cream separators. Spiegel, Inc. 425,943; Dec. 10; Serial No. 483,635; published Aug. 27, 1946.

Moving machinery, Earth. V. L. Schield. 426,054; Dec. 10.

Pipe, bolt, and rod threading and cutting off machine, Semi-portable. Oster Manufacturing Company. 426,003; Dec. 10; Serial No. 496,401; published Sept. 3, 1946.

Portable and stationary apparatus and machines. Culligan Zeolite Company. 426,059; Dec. 10.

Presses for plastics, Extrusion. National Rubber Machinery Company. 426,007; Dec. 10; Serial No. 496,855; published Sept. 3, 1946.

Pulleys, Grooved. Gates Rubber Company. 426,049; Dec. 10.

Pump for bicycles and automobile tires, Hand. Federal Auto Products Company. 426,020; Dec. 10; Serial No. 497,853; published Aug. 20, 1946.

Pumps, hand operated pumps, hydraulic cylinder and piston assemblies, etc., Motor operated. Adel Precision Products Corp. 425,939; Dec. 10; Serial No. 482,827; published Sept. 3, 1946.

Riveters, Hydraulic. Chicago Pneumatic Tool Company. 425,925; Dec. 10; Serial No. 450,047; published Mar. 30, 1943.

Scissors. Consolidated Cosmetics. 425,984; Dec. 10; Serial No. 494,658; published Sept. 17, 1946.

Shellers, Corn. Harvey Manufacturing Company. 425,992; Dec. 10; Serial No. 495,028; published Aug. 27, 1946.

Soil tilling and cultivating machines. Rototiller Inc. 426,015; Dec. 10; Serial No. 497,498; published Aug. 20, 1946.

Starting mechanisms, Engine. Bendix Aviation Corporation. 425,926; Dec. 10; Serial No. 464,642; published Sept. 17, 1946.

Tools and utensils, Kitchen and household. Ekco Products Company. 425,966; Dec. 10; Serial No. 492,696; published Aug. 27, 1946.

Tools and utensils, Kitchen and household. Ekco Products Company. 425,967–8; Dec. 10; Serial Nos. 492,698–9; published Sept. 10, 1946.

Tools, Hand operated. Union Fork and Hoe Company, The. 425,940; Dec. 10; Serial No. 483,045; published Sept. 3, 1946.

Tools, Machine. D. W. Carter. 426,073; Dec. 10.

Tools, Metal cutting. Nelco Tool Co., Inc. 425,937; Dec. 10; Serial No. 482,438; published Oct. 9, 1945.

Tools, Steel hand. Vaco Products Company. 425,989–90; Dec. 10; Serial Nos. 494,984–5; published Sept. 10, 1946.

Tools, Steel hand. Vaco Products Company. 425,991; Dec. 10; Serial No. 494,991; published Sept. 10, 1946.

Type casting and composing machines. Lanston Monotype Machine Company. 56,963; re-renewed Oct. 30, 1946. O. G. Dec. 10.

Wrenches and other special tools for repairing watches. L G Manufacturing Co. 425,006; Dec. 10; Serial No. 496,847; published Sept. 10, 1946.

CLASS 24

Laundry and dry cleaning equipment, Commercial. Pantex Manufacturing Corporation. 426,012; Dec. 10; Serial No. 497,124; published Sept. 17, 1946.

Laundry and dry cleaning equipment, Commercial. Pantex Manufacturing Corporation. 426,014; Dec. 10; Serial No. 497,405; published Sept. 17. 1946.

CLASS 27

Watches. Movado Watch Agency, Inc. 426,028; Dec. 10; Serial No. 498,302; published Sept. 10, 1946.

Watches. Waltham Watch Company. 425,936; Dec. 10; Serial No. 482,081; published Sept. 10, 1946.

Watch-movements and watch cases. Louis Manheimer & Bros. 58,025; re-renewed Dec. 4, 1946. O. G. Dec. 10.

CLASS 28

Bracelets, brooches, earrings, etc., Robert Fleischer Company. 426,032; Dec. 10; Serial No. 498,411; published Sept. 17, 1946.

Diamonds, diamond rings, stone rings, etc. A. A. Friedman. 425,945; Dec. 10; Serial No. 485,405; published Sept. 17, 1946.

Jewelry, and bracelets, finger rings, necklaces, etc., Costume. D. Roditi & Sons, Inc. 426,023; Dec. 10; Serial No. 498,082; published Sept. 10, 1946.

Jewelry, Costume. L. G. Meyers. 426,035; Dec. 10; Serial No. 498,645; published Sept. 10, 1946.

Jewelry, Ornamental, New England Glass Works, Inc. 426,022; Dec. 10; Serial No. 498,072; published Sept. 10, 1946.

Jewelry, Plastic plated. Accessocraft Products Co. 425,965; Dec. 10; Serial No. 492,672; published Sept. 10, 1946.

Necklaces, bracelets, finger rings, etc. J. H. Meyer Bros. 425,934; Dec. 10; Serial No. 481,853; published Sept. 10, 1946.

Rings, Finger. Granat Bros., Inc. 425,942; Dec. 10; Serial No. 483,615; published Sept. 17, 1946.

Rings, Finger. Morris Rosenbloom & Co., Inc. 425,986; Dec. 10; Serial No. 494,799; published Sept. 10, 1946.

Thread, Bead-stringing. J. J. Felsenfeld. 218,560; renewed Sept. 28, 1946. O. G. Dec. 10.

CLASS 31

Filtering apparatus. Infilco Incorporated. 425,985; Dec. 10; Serial No. 494,685; published Sept. 17, 1946.

Refrigerating devices, etc., Mechanical and electrical. General Aircraft Equipment, Inc. 425,948; Dec. 10; Serial No. 486,365; published Apr. 2, 1946.

CLASS 34

Heaters and hot-water heating and storage systems, Hot-water. Dunham Company. 215,967; renewed Aug. 3, 1946. O. G. Dec. 10.

Lighters. Taber, Bushnell & Co. 426,063; Dec. 10.

CLASS 37

Paper and paper for lining shelves, drawers, and similar household purposes, Cupboard. Paper Specialty Company. 220,297–8; renewed Nov. 9, 1946. O. G. Dec. 10.

Papers, Writing and drawing. R. J. Balston. 55,304–5; re-renewed Aug. 14, 1946. O. G. Dec. 10.

CLASS 38

Books, catalogues, posters, etc. V. Strauss. 425,933; Dec. 10; Serial No. 481,444; published Oct. 23, 1945.

Cards and greeting folders, etc., Greeting. Norcross. 425,944; Dec. 10; Serial No. 483,913; published Sept. 3, 1946.

Cards, Greeting. White & Wyckoff Mfg. Co. 426,036; Dec. 10; Serial No. 498,666; published Sept. 17, 1946.

Cards, Greeting. White & Wyckoff Mfg. Co. 426,037; Dec. 10; Serial No. 498,668; published Sept. 17, 1946.

Cards, Greeting. White & Wyckoff Mfg. Co. 426,038–9; Dec. 10; Serial Nos. 498,670–1; published Sept. 17, 1946.

Color-prints and books. R. Freund. 425,969; Dec. 10; Serial No. 493,059; published Sept. 10, 1946.

Magazine. H. J. Delaney. 426,043; Dec. 10; Serial No. 499,123; published Sept. 17, 1946.

Magazine. Hence Associates, Inc. 425,964; Dec. 10; Serial No. 492,439; published Sept. 10, 1946.

Magazine, Section of a regularly issued. Cowles Magazines, Inc. 426,031; Dec. 10; Serial No. 498,402; published Sept. 17, 1946.

Magazines. Atomic Age Publishing Co. 426,056; Dec. 10.

Newsletter. Encyclopaedia Britannica, Inc. 425,962–3; Dec. 10; Serial Nos. 492,370–1; published Sept. 10, 1946.

Newspaper, Daily. Corning Leader, Inc. 426,009; Dec. 10; Serial No. 496,895; published Sept. 10, 1946.

Page in a weekly periodical, Feature. Scholastic Corporation. 425,956; Dec. 10; Serial No. 489,492; published Sept. 10, 1946.

Periodical. Alexandria, Barcroft & Washington Transit Company. 426,044; Dec. 10; Serial No. 499,187; published Sept. 17, 1946.

Periodical, Weekly. Tips Magazine, Inc. 426,040; Dec. 10; Serial No. 498,737; published Sept. 17, 1946.

Photographic prints. Technifinish Laboratory, Inc. 425,996; Dec. 10; Serial No. 495,844; published Sept. 17, 1946.

Photographs. C. N. Johnston. 426,026; Dec. 10; Serial No. 498,145; published Aug. 27, 1946.

Publication, Monthly news. Crosley Corporation. 425,941; Dec. 10; Serial No. 483,133; published Sept. 10, 1946.

Publication, Monthly periodical. Grant Hospital of Chicago. 426,064; Dec. 10.

Publications, Periodical. Donaline Publishing Company, Incorporated. 426,034; Dec. 10; Serial No. 498,509; published Sept. 17, 1946.

CLASS 39

Boots and shoes, Leather and canvas. Geo. E. Keith Company. 55,152; re-renewed Aug. 7, 1946. O. G. Dec. 10.

Gloves, Knit wool-lined driving. O. C. Hansen Manufacturing Co. 221,255; renewed Nov. 23, 1946. O. G. Dec. 10.

Overalls, jackets, playsuits, etc. Blue Jay Mfg. Co. 220,680–1; renewed Nov. 16, 1946. O. G. Dec. 10.

Suits and playsuits, Girls' and women's. Koret of California Inc. 426,045; Dec. 10; Serial No. 500,311; published Sept. 3, 1946.

Suits, boys' topcoats, and boys' overcoats, Boys'. Bond Junior Clothes, Inc. 221,517; renewed Dec. 7, 1946. O. G. Dec. 10.

Suits including pants, coats, and vests, Men's sport. Finchley, Inc. 222,032; renewed Dec. 21, 1946. O. G. Dec. 10.

Suits, Men's and children's. Cohen, Goldman & Co. Inc. 218,057; renewed Sept. 21, 1946. O. G. Dec. 10.

Suits, Swimming. Associated Merchandising Corporation. 222,150; renewed Dec. 21, 1946. O. G. Dec. 10.

Suits, trousers, coats, etc., Men's. J. N. Adam & Co. 215,744; renewed July 27, 1946. O. G. Dec. 10.

CLASS 40

Curlers, Non-electrical hair. Toni, Incorporated. 425,976; Dec. 10; Serial No. 494,143; published Sept. 10, 1946.

Hair pins. Ivy Products Co. 425,983; Dec. 10; Serial No. 494,609; published Aug. 27, 1946.

Kits, Mending or sewing. E. Eisemann. 425,987; Dec. 10; Serial No. 494,960; published Aug. 27, 1046.

Lacing material, Plastic coated. Maynard H. Moore, Jr., Inc. 426,060; Dec. 10.

Needles, hat pins, toilet pins, etc. Morris & Yeomans Limited. 425,946; Dec. 10; Serial No. 485,790; published Aug. 27, 1946.

Pins, Common. Union Pin Company. 425,997; Dec. 10; Serial No. 496,000; published Sept. 3, 1946.

Sachet articles. Richmond-Phillips. 426,005; Dec. 10; Serial No. 496,573; published Sept. 3, 1946.

Support for Venetan blind slats. International Braid Company. 425,977; Dec. 10; Serial No. 494,329; published Aug. 6, 1946.

Support for Venetian blind slats. International Braid Company. 425,978–80; Dec. 10; Serial Nos. 494,331–33; published Aug. 6, 1946.

Support for Venetian blind slats. International Braid Company. 425,981; Dec. 10; Serial No. 494,334; published Sept. 10, 1946.

CLASS 41

Canes. W. H. Mason. 425,975; Dec. 10; Serial No. 494,097; published Sept. 10, 1946.

CLASS 42

Cotton fabrics, Woven. Asher & Boretz, Inc. 425,947; Dec. 10; Serial No. 485,853; published Sept. 10, 1946.

Fabrics in piece goods and cut lengths, Pile. Collins & Aikman Company. 218,549–50; renewed Sept. 28, 1946. O. G. Dec. 10.

Fabrics in the piece, Textile. Folker Fabrics. 425,932; Dec. 10; Serial No. 478,547; published May 7, 1946.

Fabrics in the piece, Textile. F. Scalamandré. 425,988; Dec. 10; Serial No. 494,980; published Sept. 17, 1946.

Piece goods composed wholly or in part of wool, hair, silk, etc. Syndicat des Fabricants de Soieries et Tissus de Lyon. 425,973; Dec. 10; Serial No. 493,846; published Sept. 17, 1946.

Piece goods, Linen. Stevenson's Moygashel Linens, Ltd. 425,998; Dec. 10; Serial No. 496,051; published Sept. 17, 1946.

Piece goods of cotton, rayon, wool, etc. Riverside & Dan River Cotton Mills, Inc. 425,961; Dec. 10; Serial No. 491,734; published Mar. 19, 1946.

Piece goods, Woolen. Walther Manufacturing Company. 425,999–426,000; Dec. 10; Serial Nos. 496,183–4; published Sept. 17, 1946.

Rayon piece-goods. Colonial Mills, Inc. 426,062; Dec. 10.

Rayon piece goods. Duplex Fabrics Corporation. 425,974; Dec. 10; Serial No. 493,921; published Sept. 10, 1946.

Wool rugs, Braided. Deltox Rug Company. 221,734; renewed Dec. 7, 1946; O. G. Dec. 10.

CLASS 43

Cotton yarns. McConnel & Co., Limited. 56,072; re-renewed Aug. 21, 1946. O. G. Dec. 10.

Yarns, Cotton. Shaw, Jardine & Co., Limited. 56,052; re-renewed Aug. 21, 1946. O. G. Dec. 10.

CLASS 44

Eye exercising apparatus. Correctosite Appliance Company. 426,052; Dec. 10.

Manicuring instruments. Henry L. Hughes Co. Inc. 221,763; renewed Dec. 7, 1946. O. G. Dec. 10.

Sputum-cups. Aseptic Drinking Cup Company. 58,436; re-renewed Dec. 18, 1946; O. G. Dec. 10.

CLASS 46

Beef, Pickled or corned. Swift and Company. 56,103; re-renewed Aug. 21, 1946. O. G. Dec. 10.

Butter and cheese. Borden's Condensed Milk Co. 58,578; re-renewed Dec. 18, 1946. O. G. Dec. 10.

Candy. Rowntree & Company Limited. 217,052; renewed Aug. 24, 1946. O. G. Dec. 10.

Canned fruits and canned vegetables. Klauber Wangenheim Co. 58,148; re-renewed Dec. 4, 1946. O. G. Dec. 10.

Canned mock turtle soup. P. J. Hock. 222,004; renewed Dec. 21, 1946. O. G. Dec. 10.

Canned vegetables, canned oysters, and eggs sold in boxes. Donahoe's Incorporated. 218,561; renewed Sept. 28, 1946. O. G. Dec. 10.

Cheese. Lakeshire Cheese Company. 221,671; renewed Dec. 7, 1946. O. G. Dec. 10.

Flavoring compound. B. Heller & Company. 220,331; renewed Nov. 9, 1946. O. G. Dec. 10.

Flour, Pure Wheat. Society of the Divine Word. 217,060; renewed Aug. 24, 1946. O. G. Dec. 10.

Flour, Wheat. Burrus Mill and Elevator Co. 220,193; renewed Nov. 2, 1946. O. G. Dec. 10.

Fruits, Fresh citrus. Mutual Orange Distributors. 425,957; Dec. 10; Serial No. 489,596; published Sept. 3, 1946.

Hams, bacon, and shoulders, Smoked or cured. Swift and Company. 56,977; re-renewed Oct. 30, 1946. O. G. Dec. 10,

Lard and lard compound. Swift and Company. 56,976; re-renewed Oct. 30, 1946. O. G. Dec. 10.

Milk, condensed milk, buttermilk, etc. Borden's Condensed Milk Company. 58,579; re-renewed Dec. 18, 1946. O. G. Dec. 10.

Preparation in powder form for use in making frozen desserts. B. Heller & Company. 217,977; renewed Sept. 14, 1946. O. G. Dec. 10.

Preparation of mustard forming a relish, condiment or sauce. Reckitt & Colman Limited. 425,951; Dec. 10; Serial No. 488,774; published Sept. 10, 1946.

Mayonnaise, sandwich spread, home style dill pickles, etc. Wheatley Mayonnaise Co., Inc. 425,954; Dec. 10; Serial No. 489,242; published Sept. 17, 1946.

Soup mix. Dry-Pack Corporation. 426,048; Dec. 10.

Tea, Formosa. Wolfe, McMillan & Co. 29,199; re-renewed Nov. 24, 1946. O. G. Dec. 10.

Wheat-flour. Lawrenceburg Roller Mills Company. 54,470; re-renewed June 26, 1946. O. G. Dec. 10.

CLASS 47

Wines. Bugler Brand and Agencies Ltd. 425,993; Dec. 10; Serial No. 495,537; published Sept. 10, 1946.

Wines. Etivista Winery & Vineyards. 425,958; Dec. 10; Serial No. 490,062; published Sept. 17, 1946.

CLASS 48

Beer. Bugler Brand and Agencies Ltd. 425,994; Dec. 10; Serial No. 495,538; published Sept. 10, 1946.

Beer, Bottle. Ohio Brewery, Inc. 425,938; Dec. 10; Serial No. 482,637; published Sept. 17, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Gypsum composition. Re. 22,816; Dec. 10.

Smith, Richard G., Amsterdam, N. Y. Turn-tilt unloading toy railway car. Re. 22,817; Dec. 10.

United States Gypsum Company, assignee: *See*—
Camp, Thomas P.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Lammerts, Walter E.
Swim, Herbert C.

Bristol Nurseries, Inc., assignee: *See*—
Cumming, Alexander.

Cumming, Alexander, assignor to Bristol Nurseries, Inc., Bristol, Conn. Chrysanthemum plant. 718; Dec. 10.

Lammerts, Walter E., La Canada, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 716; Dec. 10.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 717; Dec. 10.

LIST OF DESIGN PATENTEES

Alamo Pottery, Inc., assignee: *See*—
Homan, Harold T.

Asch, Howard, New York, N. Y. Lamp or similar article. 146,063; Dec. 10.

Berna, Albert J., Detroit, Mich. Clothes rack. 146,014; Dec. 10.

Bittel, Harold E.: *See*—
Bittel, John A. and H. E.

Bittel, John A. and H. E., assignors to George B. Hart, Inc., Rochester, N. Y. Tie rack. 146,015; Dec. 10.

Campbell, Laurie J., and M. E. Hirsch, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Ball point fountain pen. 146,016; Dec. 10.

Cook, Dwight, Rydal, Pa. Finger ring. 146,017; Dec. 10.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Darvie, Samuel, New York, N. Y. Brooch or similar article. 146,018; Dec. 10.

Dreitzer, Albert J., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass bowl or article of similar nature. 146,019; Dec. 10.

Ellengy Sales, assignee: *See*—
Lieberman, William A., and Thomsen.

Elliott, Lyle E., Battle Creek, Mich. Box or the like. 146,020; Dec. 10.

Freedman, Jules, New York, N. Y. Coat. 146,021; Dec. 10.

Freyman, Herbert J., New York, N. Y. Electric steam radiator. 146,022; Dec. 10.

Gayaut, Gilbert D., assignee: *See*—
Salter, Florence B.

Godfrey, Charles J., Philadelphia, Pa., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Ironing machine. 146,023; Dec. 10.

Goldboss, Beatrice, assignee, et al.: *See*—
Lieberman, William A., and Thomsen.

Graham, Frank B., Lansing, Mich. Meat tenderer. 146,024; Dec. 10.

Harris, Samuel A., Winston-Salem, N. C. Combined marking instrument and stand. 146,025; Dec. 10.

Hart, George B., Inc., assignee: *See*—
Bittel, John A. and H. E.

Hemp, Arlington E., assignee: *See*—
McCalla, Hazel M.

Hirsch, Mahlon E.: *See*—
Campbell, Laurie J., and Hirsch.

Homan, Harold T., assignor to Alamo Pottery, Inc., San Antonio, Tex. Pitcher. 146,026; Dec. 10.

Hooe, Hunter E., Chicago, and T. O. Mehan, Park Ridge, assignors to Multi-Sort Systems Incorporated, Chicago, Ill. Combined card punching machine and stand. 146,027; Dec. 10.

Hooe, Hunter E., Chicago, and T. O. Mehan, Park Ridge, assignors to Multi-Sort Systems Incorporated, Chicago, Ill. Card punching machine. 146,028; Dec. 10.

Horton Manufacturing Company, assignee: *See*—
Godfrey, Charles J.

Johnson, Booker T., Philadelphia, Pa. Juvenile vehicle. 146,029; Dec. 10.

Johnston, Halpha G., Fort Worth, Tex. Clasp-on snap fastener. 146,030; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,031; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,032; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,033; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,034; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,035; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,036; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,037; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,038; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,039; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,040; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 146,041; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 146,042; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,043; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,044; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,045; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,046; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,047; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,048; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,049; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,050; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 146,051; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,052; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,053; Dec. 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,054; Dec. 10.

Korman, Arnold F., Brooklyn, N. Y. Toy xylophone. 146,055; Dec. 10.

Levin, Leon, New York, N. Y. Garment hanger. 146,056; Dec. 10.

Lieberman, Eleanor J., assignee, et al.: *See*—
Lieberman, William A., and Thomsen.
Lieberman, William A., and J. W. Thomsen, assignors to E. J. Lieberman, Chicago, and B. Goldboss, Glencoe, Ill., copartners doing business as Ellengy Sales. Film slide viewer. 146,057; Dec. 10.
Ligorner, William B., New York, N. Y. Mirror. 146,058; Dec. 10.
Marx, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J., and Hirsch.
McCalla, Hazel M., Frederick, assignor to A. E. Hemp, Burkittsville, Md. Stand and appliance support for dressing hair. 146,059; Dec. 10.
Mehan, Thomas O.: *See*—
Hooe, Hunter E., and Mehan.
Multi-Sort Systems Incorporated, assignee: *See*—
Hooe, Hunter E., and Mehan.
Muncheryan, Hrand M., Alhambra, Calif. Game board. 146,060; Dec. 10.
Patner, Saul, Chicago, Ill. Combined coaster wagon and scooter. 146,061; Dec. 10.
Pitman-Dreitzer & Co., Inc., assignee: *See*—
Dreitzer, Albert J.
Rhodes, Kathryn, assignee: *See*—
Salter, Florence B.
Salter, Florence B., assignor of twenty-four per cent to G. D. Gayaut and twenty-eight per cent to K. Rhodes, New Orleans, La. Double-headed doll. 146,062; Dec. 10.
Thomsen, Jack W.: *See*—
Lieberman, William A., and Thomsen.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbink-Spaink, Johann H.: *See*—
Roberts, Frank H., and Abbink-Spaink.
Spencer, Arthur, and Abbink-Spaink.
Abrahamson, Edmund, Baldwin, N. Y. Skating costume. 2,412,241; Dec. 10.
Abramson, Abraham, New York, assignor to Raylite Electric Corp., Long Island City, N. Y. Decorative illuminated device. 2,412,279; Dec. 10.
Adlam, Thomas N.: *See*—
Hilmer, Milton, Signarovitz, and Adlam.
Agnew, William B. R., Dayton, Ohio. Testing the seals of crystal holders. 2,412,192; Dec. 10.
Air Reduction Company, Incorporated, assignee: *See*—
Smith, Oris J.
Alien Property Custodian: *See*—
Groen, Martinus G.
Guinot, Henri M.
Aller, Willis F.: *See*—
Polk, Louis F., and Aller.
Aller, Willis F., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,412,380; Dec. 10.
Alling, William M., Lakewood, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread inspection device. 2,412,381; Dec. 10.
American Bitumals Company, assignee: *See*—
McCoy, Paul E.
Watts, Vilas E.
American Chemical Paint Company, assignee: *See*—
Jones, Franklin D.
American Enka Corporation, assignee: *See*—
Jackson, Arthur L., and Whisnant.
American Steel Foundries, assignee: *See*—
Tack, Carl E.
Tack, Carl E., and Flesch.
Amley, Oliver B., Bay City, and J. B. Gregory, Midland, Mich., assignors to The Dow Chemical Company. Thermoplastic pipe flange. 2,412,487; Dec. 10.
Andersen, George D., Los Angeles, C. L. Spencer, Santa Monica, and J. L. Hansen, Los Angeles, Calif.; said Spencer and said Hansen assignors to said Andersen. Perspective drawing device. 2,412,194; Dec. 10.
Anderson, Arthur O., Davenport, Iowa. Fuel feeding apparatus. 2,412,193; Dec. 10.
Anderson, William C., Burlington, and G. J. Naber, Erlanger, Ky., assignors to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric trolley conductor duct and collector. 2,412,382; Dec. 10.
Angell, Earle F., assignor to E. C. Bothwell, Jr., Richmond, Va. Fire extinguisher. 2,412,491; Dec. 10.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Internal-combustion engine. 2,412,195; Dec. 10.
Argyle, Christopher S., Spondon, near Derby, assignor to British Celanese Limited, London, England. Cellulose acetate dyed with monoazo dyes. 2,412,312; Dec. 10.
Armandroff, Taft S.: *See*—
Yates, Edward W., and Armandroff.
Armour Research Foundation, assignee: *See*—
Camras, Marvin.
Aro Equipment Corporation, The, assignee: *See*—
Glanz, Sjunne W., and Tidd.
Ashbaugh, Robert P., and A. G. Hall, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for producing stranded cables. 2,412,196; Dec. 10.
Austin, Harley O., Pheonix, Ariz. Engine lifting harness. 2,412,488; Dec. 10.
Auto Specialties Manufacturing Company, assignee: *See*—
Mueller, Joseph J.
Automatic Electric Laboratories, Inc., assignee: *See*—
Gillings, Charles, and Murray.
King, Raymond B., and Huffman.
Babson Bros. Co., assignee: *See*—
Babson, Henry B.
Babson, Henry B., Chicago, Ill., assignor to Babson Bros. Co. Milker support. 2,412,197; Dec. 10.
Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Piezo-crystal holder. 2,412,438; Dec. 10.
Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph switching system. 2,412,198; Dec. 10.
Baker, William E., Swanton, Ohio. Apparatus for pumping and atomizing liquid fuel. 2,412,383; Dec. 10.
"Balab," assignee: *See*—
Larsen, Rudolph H.
Bard-Parker Company, Inc., assignee: *See*—
Arden, Thomas R.
Barker, Seth S., assignee: *See*—
Jasper, Lenus.
Barnet Ensign Limited, assignee: *See*—
Hunter, Douglas G.
Battersby, Robert B., Noroton Heights, and J. C. Prior, Stamford, Conn., assignors to S. Schwartz, New York, N. Y. Pocket flashlight. 2,412,313; Dec. 10.
Bazant, William: *See*—
Tascher, Eugene S., and Bazant.
Beattie, Horace S., Poughkeepsie, N. Y., and W. K. David, Verona, N. J., assignors to International Business Machines Corporation, New York, N. Y. Electrical switch. 2,412,384; Dec. 10.
Beaud, Emile, Albeuve, Fribourg, assignor to House Maurice Beaud & Fils, Albeuve, Switzerland. Dismountable barrack. 2,412,242; Dec. 10.
Beckwith, Edwin L., Brookline, Mass., and R. B. Harrison, Dover, N. H., assignors to Beckwith Manufacturing Company. Shoemaking. 2,412,385; Dec. 10.
Beckwith Manufacturing Company, assignee: *See*—
Beckwith, Edwin L., and Harrison.
Behrens, Herbert C., Haddon Heights, assignor to Samuel M. Langston Co., Camden, N. J. Adjusting and driving mechanism for rotary members. 2,412,243; Dec. 10.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Ashbaugh, Robert P., and Hall.
Bacon, Walter M.
Bruce, Edmond.
Edson, James O. and W. A., and Maggio.
Och, Henry G., and Swartzel.
Sharkey, Edward.
Bendix Aviation Corporation, assignee: *See*—
House, Bryan E.
Sutton, Bernard G.
Bendix Home Appliances, Inc., assignee: *See*—
Green, Maurice W.
Benner, Howard J., Springfield, Mass., assignor of one-half to Colonial Radio Corporation, Buffalo, N. Y., and one-half to The F. W. Sickles Company, Springfield, Mass. Superheterodyne receiver. 2,412,244; Dec. 10.
Berks County Trust Company, assignee: *See*—
Donachie, Matthew J.
Bieg, Herman, St. Louis, Mo. Spot gauge. 2,412,489; Dec. 10.
Biggle, Laurence C., Altadena, assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,412,490; Dec. 10.
Billingsley, John W., assignee: *See*—
Kilbury, Paul D.
Bitler, William P.: *See*—
Nicholl, Leonard, and Bitler.
Bjorklund, Carl S., E. C., and E. T., Milwaukee, Wis. Garment hander. 2,412,245; Dec. 10.
Bjorklund, Edgar C.: *See*—
Bjorklund, Carl S., E. C., and E. T.
Bjorklund, Edsel T.: *See*—
Bjorklund, Carl S., E. C., and E. T.
Blood, Joel S., San Carlos, Calif. Surface grinding machine. 2,412,199; Dec. 10.
Blum, Robert D., Jr., Nashville, Tenn. Hectograph mass. 2,412,000; Dec. 10.
Blumenstein, Max E., Hyattsville, Md. Projection picture feeding mechanism. 2,412,246; Dec. 10.
Boerner, Thomas J., Collingswood, and J. W. Sanborn, Merchantville, N. J., assignors to Radio Corporation of America. High-frequency apparatus. 2,412,314; Dec. 10.
Bohn, Donald I., Pittsburgh, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker holding magnet and armature. 2,412,247; Dec. 10.
Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Preparation of ethyl halides. 2,412,550; Dec. 10.
Booth, Douglas G.: *See*—
Pugh, Cyril A., and Booth.
Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mechanical torque amplifier. 2,412,386; Dec. 10.
Bothwell, Edgar C., assignee: *See*—
Angell, Earle F.
Bramming, Carl, Anderson, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp socket with side switching mechanism. 2,412,439; Dec. 10.
Brazitis, Edward, St. Clair Shores, Mich. Welding electrode holder. 2,412,492; Dec. 10.

Brennan, Joseph B., Euclid, Ohio. Making electrolytic devices. 2,412,201; Dec. 10.

Bressee, Fred, Jr.: *See*—
Larsen, Rudolph H.

Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,412,248; Dec. 10.

British Celanese Limited, assignee: *See*—
Argyle, Christopher S.

Britton, Roberta W., Ketchikan, Alaska. Aerial mine. 2,412,387; Dec. 10.

Brogren, Axel V.: *See*—
Parsons, John T., and Brogren.

Brown, George H., Haddonfield, and D. W. Peterson, Collingswood, N. J., assignors to Radio Corporation of America. Antenna. 2,412,249; Dec. 10.

Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. Radio transmitter-receiver automatic switching system. 2,412,315; Dec. 10.

Bruce, Edmond, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive radio system. 2,412,202; Dec. 10.

Bruestle, Carl O., Rahway, assignor to Syncro Machine Company, Perth Amboy, N. J. Planetary drive for wire spooling devices. 2,412,440; Dec. 10.

Brunkhurst, Charles, Middletown, N. Y. Preservation of milk products. 2,412,203; Dec. 10.

Buckius, Albert O., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box lid. 2,412,250; Dec. 10.

Buffalo Brake Beam Company, assignee: *See*—
Busch, Charles R.

Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Trussed brake beam and/or brake head. 2,412,388; Dec. 10.

Byard Manufacturing Company, Limited, assignee: *See*—
Hunter, Albert E., and Topott.

Cabot, Godfrey L., Inc., assignee: *See*—
Goldfinger, George.

Calder, Leonard C.: *See*—
Crever, Frederick E., and Calder.

California Institute Research Foundation, assignee: *See*—
Shaffer, Philip A., Jr.

Callaway Mills, assignee: *See*—
Daughdrill, James H., and Jessen.
Parker, Samuel P.

Campbell, James T., Detroit, Mich. Lithographic plate-making apparatus. 2,412,317; Dec. 10.

Campbell, John F., Detroit, Mich., assignor to G. M. and R. Holley. Fuel injection system. 2,412,316; Dec. 10.

Camras, Marvin, assignor to Armour Research Foundation, Chicago, Ill. Safety drive, braking, and control mechanism for magnetic recording devices. 2,412,318; Dec. 10.

Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Arm driving mechanism. 2,412,319; Dec. 10.

Carlstrom, Ellis F., Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Timepiece setting mechanism. 2,412,493; Dec. 10.

Carrier Corporation, assignee: *See*—
Gerteis, Karl M.

Carson, Benjamin R., Haddonfield, and K. J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America. Phonograph. 2,412,441; Dec. 10.

Carter, Leslie F., Leonia, N. J., and F. West, Jr., Roslyn, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Torque exerting means. 2,412,204; Dec. 10.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna system. 2,412,320; Dec. 10.

Casey, Charles L.: *See*—
Ryno, Juddson B., and Casey.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenated organic compounds. 2,412,389; Dec. 10.

Chain Belt Company, assignee: *See*—
Sivyer, Benjamin E.

Charlton, Ralph W.: *See*—
Spitzli, Donald H., and Charlton.

Chicksan Tool Company, assignee: *See*—
Phillips, Dwight M.

Chu, Helga M.: *See*—
Chu, Hing F. and H. M.

Chu, Helga M. and H. F., Larchmont, N. Y. One piece, third dimension, cut out toy. 2,412,231; Dec. 10.

Chu, Hing F.: *See*—
Chu, Helga M. and H. F.

Chu, Hing F. and H. M., Larchmont, N. Y. Tailless kite. 2,412,322; Dec. 10.

Cincinnati Milling Machine Co., The, assignee: *See*—
Ernst, Hans, Grieb, and Field.
Yates, Edward W., and Armandroc.

Cizek, Albert W., Jr.: *See*—
Kallas, Danos H., Cizek, and Nestlen.

Clark Equipment Company, assignee: *See*—
Dence, Donald S.

Clark, James: *See*—
Williams, Frank W., and Clark.

Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Purification of oil. 2,412,251; Dec. 10.

Cole Industries, Inc., assignee: *See*—
Cole, Thomas M.

Cole, Thomas M., New York, assignor to Cole Industries, Inc., Long Island City, N. Y. Electric switch. 2,412,494; Dec. 10.

Colgate-Palmolive-Peet Company, assignee: *See*—
Richardson, Earl L., and Russell.

Colonial Radio Corporation, assignee, et al.: *See*—
Benner, Howard J.

Commercial Controls Corporation, assignee: *See*—
Ryan, Commodore D.
Ryan, Commodore D., Sager, and Bergmark.

Congoleum-Nairn Inc., assignee: *See*—
Spitzli, Donald H., and Charlton.

Conrad, Marcus L., Mundelein, assignor to The Frank G. Hough Co., Libertyville, Ill. Tractor shovel. 2,412,323; Dec. 10.

Consolidated Engineering Corporation, assignee: *See*—
Washburn, Harold W.
Washburn, Harold W., and Taylor.

Contner, J. Burgi, New York, N. Y., assignor to Great American Industries, Inc., Meriden, Conn. Printing apparatus. 2,412,252; Dec. 10.

Cook, John A., San Francisco, Calif. Pontoon metering valve and combination. 2,412,205; Dec. 10.

Cossor, A. C., Limited, assignee: *See*—
Whiteley, Joseph W.

Costner, Clarence J., assignee, et al.: *See*—
Robinson, Elvin B.

Crane, Carl J., Sacramento, Calif. Sensitive switch control apparatus. 2,412,206; Dec. 10.

Crane Co., assignee: *See*—
Mueller, Alfred.

Cranston, John, Ironton, Ohio. Recovery of bromine and iodine from natural brines. 2,412,390; Dec. 10.

Crever, Frederick E., Scotia, N. Y., and L. C. Calder, Catonsville, Md., assignors to General Electric Company. Regulator system. 2,412,442; Dec. 10.

Crockford, Joseph R., Mount Rainier, Md., assignor to H. Radzinsky and S. W. Dean, Jr., New York, N. Y. Tampon. 2,412,391; Dec. 10.

Crompton & Knowles Loom Works, assignee: *See*—
Sepavich, Victor F.

Crooke, Raymond E., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Computing fire control data. 2,412,443; Dec. 10.

Crum, Howard L., St. Louis, Mo. Stop for strand covering machines. 2,412,324; Dec. 10.

Curtis Engineering Company, assignee: *See*—
Morgan, Harry C.

Daly, George F., and B. H. Phillips, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Bubble leveling device for training apparatus. 2,412,495; Dec. 10.

Daughdrill, James H., Dalton, and R. F. Jessen, assignors, to Callaway Mills, La Grange, Ga. Doffing and donning apparatus. 2,412,444; Dec. 10.

David, William K.: *See*—
Beattie, Horace S., and David.

Day, Joseph G., Toledo, Ohio, assignor, by mesne assignments, to Dental Research Corporation, Chicago, Ill. Production of artificial tooth structures. 2,412,207; Dec. 10.

Dean, Sidney W., Jr., assignee et al.: *See*—
Crockford, Joseph R.

Deere & Company, assignee: *See*—
Silver, Walter H.

Delegard, Carl J., Chicago, and R. Kreutz, River Grove, Ill. Apparatus for decorticating fibers. 2,412,445; Dec. 10.

Dence, Donald S., Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,412,208; Dec. 10.

Dental Research Corporation, assignee: *See*—
Day, Joseph G.

Devine, James H., and W. T. Halvorsen, Chicago, Ill. Receptacle and cover therefor. 2,412,325; Dec. 10.

De Walt, Kenneth C., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency system. 2,412,446; Dec. 10.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of aliphatic amines. 2,412,209; Dec. 10.

Diggs, Maury I., assignor to Higgins Industries, Inc., New Orleans, La. Wall panel. 2,412,253; Dec. 10.

Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Color selective reflector. 2,412,496; Dec. 10.

Dixon, Joseph, Crucible Company, assignee: *See*—
Hasselquist, Hugo S.

Donachie, Matthew J., Holyoke, Mass., assignor, by mesne assignments, to Berks County Trust Company, Reading, Pa. Working and treating Be-Cu alloys. 2,412,447; Dec. 10.

Donal, John S., Jr.: *See*—
Langmuir, David B., and Donal.

Dow Chemical Company, The, assignee: *See*—
Amley, Oliver B., and Gregory.

Dunne, John P., Seneca Falls, N. Y. Rotary valve and lubricating mechanism. 2,412,448; Dec. 10.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Cass, Oliver W.

Dupuy, Charles F. J., Mahwah, N. J., assignor to O-Cedar Corporation, Chicago, Ill. Vaporizing device. 2,412,326; Dec. 10.

Eastman Kodak Company, assignee: *See*—
Dickey, Joseph B., and McNally.

Eclipse Moulded Products Company, assignee: *See*—
Engman, Ralph P.

Edelman, Walter E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor. 2,412,254; Dec. 10.

Edson, James O., Great Kills, N. Y., W. A. Edson, Chicago, Ill., and J. B. Maggio, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray-sweep circuit. 2,412,210; Dec. 10.

Edson, William A.: *See*—
Edson, James O. and W. A., and Maggio.

Edwards, Richard P., Webster Groves, Mo. Strike plate or door latch keeper. 2,412,497; Dec. 10.

Eichelman, William H., Berwyn, Ill., assignor, by mesne assignments, to Ex-Cell-O Corporation, Detroit, Mich. Driller. 2,412,211; Dec. 10.

Ellerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Proteinous plastics. 2,412,327; Dec. 10.

Engel, Karl, Swampscott, Mass. Shoemaking. 2,412,449; Dec. 10.

English Electric Company Limited, The, assignee: *See*—
Mardis, Paul L.

Engman, Ralph P., assignor to Eclipse Moulded Products Company, Milwaukee, Wis. Adjustable rod guide. 2,412,498; Dec. 10.

Ernst, Hans, D. A. Grieb, and M. Field, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Machine tool vibration dampener. 2,412,499; Dec. 10.

Essential Oil Producers, Inc., assignee: *See*—
Nelson, Richard C.

Ex-Cell-O Corporation, assignee: *See*—
Eichelman, William H.

Fairbanks, Morse & Co., assignee: *See*—
Schreck, Henry.

Felins Tying Machine Company, assignee: *See*—
Suelflow, Alfred G.

Felsecker, John J., Calumet City, Ill., assignor to Graver Tank & Mfg. Co., Inc. Method and apparatus for treating water comprising the steps of passing a variable flow of relatively alkaline water upwardly through a bed of organic hydrogen-zeolite and augmenting said flow by hydrogen-zeolite treated water. 2,412,328; Dec. 10.

Ferguson, George M., Portland, Oreg. Tweezers. 2,412,255; Dec. 10.

Fink, Raymond E., East Haven, assignor to National Folding Box Company, New Haven, Conn. Display box. 2,412,450; Dec. 10.

Finken, Walter S., Brooklyn, assignor to L. P. Frieder, New York, N. Y. Parachute. 2,412,392; Dec. 10.

Fischer, Arthur H., New York, N. Y. Froth flotation of sulphide ores. 2,412,500; Dec. 10.

Flesch, Norman: *See*—
Tack, Carl E., and Flesch.

Folkers, Karl, Plainfield, and R. T. Major, Mountainside, assignors to Merck & Co., Inc., Rahway, N. J. Production of erythrina alkaloids. 2,412,256; Dec. 10.

Foote, Thomas W., East Cleveland, Ohio. Chair construction. 2,412,451; Dec. 10.

Ford Instrument Company, Inc., assignee: *See*—
Crooke, Raymond E.
Newell, William H.

Fox, Martin, Chicago, Ill., assignor to The Seng Company. Convertible lounge. 2,412,329; Dec. 10.

Frieder, Leonard P., assignee: *See*—
Finken, Walter S.

Furman, Frank J.: *See*—
Mills, Albert W., Furman, and Rabenda.

Gallowhur Chemical Corporation: *See*—
Miller, William H., Jr.

Gardner, Charles E., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Bag manufacture. 2,412,501; Dec. 10.

Garrison, Bertice P., Seattle, Wash. Garment. 2,412,502; Dec. 10.

Gear Grinding Company Limited, The, assignee: *See*—
Orcutt, Arthur H.

General Controls Co., assignee: *See*—
Biggle, Laurence C.

General Electric Company, assignee: *See*—
Crever, Frederick E., and Calder.
De Walt, Kenneth C.
Grimshaw, Charles S.
Macintyre, John R.
Norton, Francis J.
Warrington, Albert R. V.

Gerlat, Erving F., Racine, Wis. Vibrato producing means for musical instruments. 2,412,212; Dec. 10.

Gerteis, Karl M., assignor to Carrier Corporation, Syracuse, N. Y. Modulating compressor capacity control. 2,412,503; Dec. 10.

Ghosh, Saraju P., Camden, N. J., assignor to Radio Corporation of America. Reflectometer correction network. 2,412,393; Dec. 10.

Gideon, Minor B.: *See*—
Gorka, Elynor D., and Gideon.

Giles, Dilys L., Burbank, Calif. Pipe coupling. 2,412,394; Dec. 10.

Gillings, Charles, and L. J. Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Crossbar switch mechanism. 2,412,257; Dec. 10.

Gillings, Charles, and L. J. Murray, Liverpool, England, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone or like system. 2,412,258; Dec. 10.

Gisvold, Ole, assignee: *See*—
Hansen, Thorwald.

Glanz, Sjunne W., and A. H. Tidd, Cleveland, assignors to The Aro Equipment Corporation, Bryan, Ohio. Snap-on valve. 2,412,330; Dec. 10.

Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Solvent- and freeze-resistant synthetic rubber and preparing same. 2,412,214; Dec. 10.

Goldberg, Edwin A.: *See*—
Rajchman, Jan A., and Goldberg.

Goldfinger, George, Brookline, assignor to Godfrey L. Cabot, Inc., Boston, Mass. Treating styrene and other monomers used in polymerization processes. 2,412,504; Dec. 10.

Goodmans Industries Limited, assignee: *See*—
Miller, John W.

Goodrich, B. F., Company, The, assignee: *See*—
Semegen, Stephen T.
Slingluff, Eugene L., and Scheu.

Goosmann, Herman W., Grand Rapids, Mich. Trestle. 2,412,395; Dec. 10.

Gorka, Elynor D., and M. B. Gideon, Kansas City, Mo. Needle threading instrument. 2,412,505; Dec. 10.

Graver Tank & Mfg. Co., Inc., assignee: *See*—
Felsecker, John J.

Graves, Herbert C., Jr., West Chester, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker mounting and connecting stud. 2,412,259; Dec. 10.

Gray, George F.: *See*—
Pratt, Verneur E., and Gray.

Great American Industries, Inc., assignee: *See*—
Contner, J. Burgi.

Green, Lee B., Lakewood, Ohio. Flush tank control. 2,412,452; Dec. 10.

Green, Maurice W., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Transmission. 2,412,331; Dec. 10.

Greene, Oren W., R. W. Twitty, and T. L. Richie, assignors to Marion Manufacturing Company, Marion, N. C. Blending fibers. 2,412,506; Dec. 10.

Gregory, John B.: *See*—
Amley, Oliver B., and Gregory.

Grieb, Daniel A.: *See*—
Ernst, Hans, Grieb, and Field.

Grimshaw, Charles S., Scotia, N. Y., assignor to General Electric Company. Gyroscope. 2,412,453; Dec. 10.

Groen, Martinus G., Hoogezand, Netherlands; vested in the Alien Property Custodian. Producing starch esters. 2,412,213; Dec. 10.

Guinot, Henri M., Niort, France; vested in the Alien Property Custodian. Dehydration of acetic acid by azeotropic distillation. 2,412,215; Dec. 10.

Hain, Leon, Brooklyn, N. Y. Milling fixture. 2,412,454; Dec. 10.

Hall, Alfred G. W.: *See*—
Scott-Paine, Hubert.

Hall, Arthur G.: *See*—
Ashbaugh, Robert P., and Hall.

Hall, Charles W., assignor to M. S. Losey, Denver, Colo. Air-cooled rotary valve. 2,412,260; Dec. 10.

Hall, Charles W., assignor to M. S. Losey, Denver, Colo. Rotary valve. 2,412,261; Dec. 10.

Hall, Louis P., Jr., Morristown, N. J. Making boat hulls. 2,412,455; Dec. 10.

Halpern, William, New York, K. Weiner, Elmhurst, and R. Krochmal, New York, N. Y. Cover. 2,412,262; Dec. 10.

Halvorsen, William T.: *See*—
Devine, James H., and Halvorsen.

Hamilton Watch Company, assignee: *See*—
Carlstrom, Elis F.

Hamlett, Sidney J., Jr., Parma, assignor to White Sewing Machine Corporation, Cleveland, Ohio. Bobbin winder for sewing machines. 2,412,456; Dec. 10.

Hanna, Anne D., Los Angeles, Calif. Drying line and self-locking reel therefor. 2,412,396; Dec. 10.

Hansen, G. I., executor: *See*—
Suelflow, Alfred G.

Hansen, James L.: *See*—
Anderson, George D., Spencer, and Hansen.

Hansen, Thorwald, Duluth, assignor of one-half to O. Gisvold, Minneapolis, Minn. Container. 2,412,332; Dec. 10.

Harper, Lyndus E., Kansas City, Mo. Flexible tube pump. 2,412,397; Dec. 10.

Harrison, Laurence D., Maricopa County, Ariz. Valve actuating mechanism. 2,412,457; Dec. 10.

Harrison, Raymond B.: *See*—
Beckwith, Edwin L., and Harrison.

Harsch, Raymond, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Compacting machine. 2,412,398; Dec. 10.

Hartford-Empire Company, assignee: *See*—
Honiss, William T.

Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,412,263; Dec. 10.

Hartley, Albert L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Flame hardening apparatus. 2,412,333; Dec. 10.

Harvel Corporation, The, assignee: *See*—
Harvey, Mortimer T.

Harvel Research Corporation: *See*—
Harvey, Mortimer T.

Harvey, Mortimer T., East Orange, N. J., assignor to Harvel Research Corporation. Rubberlike composition. 2,412,216; Dec. 10.

Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Compositions of matter and methods and steps of making and using the same. 2,412,264; Dec. 10.

Haskelite Manufacturing Corporation, assignee: *See*—
Kloote, George E.

Hasselquist, Hugo S., Oak Park, Ill., assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Mechanical pencil. 2,412,265; Dec. 10.

Havens, Richard, Salt Lake City, Utah, assignor to United States of America, as represented by the Secretary of the Interior. Froth flotation of chromite with fluoride. 2,412,217; Dec. 10.

Henricks, Leo M., Indianapolis, Ind. Fishing float. 2,412,399; Dec. 10.

Higgins Industries, Inc., assignee: *See*—
Diggs, Maury I.

Hilmer, Milton, Center Valley, G. J. Signarovitz, Allentown, Pa., and T. N. Adlam, West Orange, N. J., assignors to Sarco Company, Inc., New York, N. Y. Control device. 2,412,218; Dec. 10.

Hoagland, Reginald W., Detroit, Mich., assignor, by mesne assignments, to United States of America. Reaction propelled device. 2,412,266; Dec. 10.

Hock, Alvin, Cincinnati, Ohio. Strainer. 2,412,400; Dec. 10.

Hoesel, Anthony F., assignor to Peerless of America Inc., Chicago, Ill. Airplane cabin heating system. 2,412,334; Dec. 10.

Holley, Earl, assignee, et al.: *See*—
Campbell, John F.
Schorn, Carl F.

Holley, George M., assignee, et al.: *See*—
Campbell, John F.
Schorn, Carl F.

Holmes, Henry H.; and A. P. Saunders, Leicester, England, assignors to Wildt and Company Limited. Circular knitting machine. 2,412,267; Dec. 10.

Holm-Hansen, Osmund, Fairfield, Conn., assignor of two-thirds to J. N. Ledbetter, Jr., New York, N. Y. Roofing construction. 2,412,401; Dec. 10.

Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of spraying glass machinery. 2,412,268; Dec. 10.

Hor, Quan, Boston, Mass. Nose pump. 2,412,269; Dec. 10.

Hough, Frank G., Co., The, assignee: *See*—
Conrad, Marcus L.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,412,335; Dec. 10.

House Maurice Beaud & Fils, assignee: *See*—
Beaud, Emile.

Huffman, Robert L.: *See*—
King, Raymond B., and Huffman.

Hunter, Albert E., Wollaton, Nottingham, and S. F. Topott, assignors to Byard Manufacturing Company, Nottingham, England. Machine-made net. 2,412,336; Dec. 10.

Hunter, Blaine, U. S. Navy, Staten Island, N. Y. Filing equipment. 2,412,219; Dec. 10.

Hunter, Douglas G., assignor to Barnet Ensign Limited, London, England. Photographic masking easel. 2,412,307; Dec. 10.

Huye, Joseph G., New Orleans, La. Automatically locked fiberboard shipping box. 2,412,402; Dec. 10.

I. T. E. Circuit Breaker Company, assignee: *See*—
Bohn, Donald I.
Graves, Herbert C., Jr.
Schymik, Walter H.
Scott, William M., Jr.

Ibach, Gerald A., Borger, Tex., and C. C. Tate, Okmulgee, Okla., assignors to Phillips Petroleum Company. Treatment of fluorine-containing hydrocarbon mixtures. 2,412,220; Dec. 10.

Industrial Rayon Corporation, assignee: *See*—
Alling, William M.

Interior, United States of America, as represented by the Secretary of the, assignee: *See*—
Havens, Richard.

International Business Machines Corporation, assignee: *See*—
Beattie, Horace S., and David.
Daly, George F., and Phillips.
Johnson, Reynold B.
Kavanagh, Joseph A.
Maslin, Robert M.
Mills, Albert W., Furman, and Rabenda.
Rabenda, Edward J.

International Resistance Company, assignee: *See*—
Marsten, Jesse.

Interval Instruments, Inc., assignee: *See*—
Rieber, Frank.

Jackson, Alfred L., New York, N. Y. Wall structure for buildings and the like. 2,412,404; Dec. 10.

Jackson, Arthur L., West Asheville, and J. K. Whisnant, assignors to American Enka Corporation, Enka, N. C. Method and apparatus for use in the manufacture of synthetic threads. 2,412,403; Dec. 10.

Jackson Hydraulic Machine Co., Inc., assignee: *See*—
Jackson, Paul S.

Jackson, Paul S., assignor to Jackson Hydraulic Machine Co., Inc., Rockford, Ill. Planer. 2,412,337; Dec. 10.

Jacobson, Julius A.: *See*—
Shirk, William C., J. A. and R. C. Jacobson, and Shirk.

Jacobson, Raymond C.: *See*—
Shirk, William C., J. A. and R. C. Jacobson, and Shirk.

Jasper, Lenus, Orland, Calif., assignor to Seth S. Barker, Ottumwa, Iowa. Plucking fowl. 2,412,338; Dec. 10.

Jeffreys, Sidney T., Rickmansworth, assignor to E. H. Jones (Machine Tools), Limited, London, England. Control mechanism. 2,412,339; Dec. 10.

Jensen, Harry M., Chicago, Ill. Power unit for reeling cable or wire. 2,412,508; Dec. 10.

Jessen, Robert F.: *See*—
Daughdrill, James H., and Jessen.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Projection apparatus for the creation of illusory effects. 2,412,340; Dec. 10.

Johnston, William A., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Washing apparatus. 2,412,270; Dec. 10.

Johnstone, Robert M., Bondsville, Pa. Unwinding machine. 2,412,509; Dec. 10.

Jones, E. H., (Machine Tools), Limited: *See*—
Jeffreys, Sidney T.

Jones, Franklin D., Llanerch, assignor to American Chemical Paint Company, Ambler, Pa. Methods and compositions for killing weeds. 2,412,510; Dec. 10.

Jones, Maurice F.: *See*—
Jones, Ruel C. and M. F.

Jones, Maurice F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrically propelled car construction. 2,412,511; Dec. 10.

Jones, Maurice F., Wilkinsburg, and L. A. Kilgore, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Feeder system for linear motors. 2,412,512; Dec. 10.

Jones, Maurice F., Pittsburgh, and R. C. Jones, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric control device. 2,412,513; Dec. 10.

Jones, Ruel C.: *See*—
Jones, Maurice F. and R. C.

Jones, Ruel C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric catapult control. 2,412,514; Dec. 10.

Jones, Ruel C., Pittsburgh, and M. F. Jones, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control for electric catapults. 2,412,515; Dec. 10.

Kahn, Walter, Middelburg, Transvaal, Union of South Africa. Holder for labels, tags, and the like. 2,412,405; Dec. 10.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Mounting for coolant tubes. 2,412,341; Dec. 10.

Kallas, Danos H., Brooklyn, A. W. Cizek, Jr., East Elmhurst, and H. Nestlen, Woodhaven, N. Y. Wear test machine. 2,412,221; Dec. 10.

Kallusky, Clarence E., assignee: *See*—
Kallusky, Philipp M.

Kallusky, Philipp M., Milwaukee, Wis., assignor of one-half to C. E. Kallusky, Wadena, Minn. Apparatus for preventing foaming. 2,412,342; Dec. 10.

Kavanagh, Joseph A., assignor to International Business Machines Corporation, New York, N. Y. Registration indicator system. 2,412,516; Dec. 10.

Kay-Fries Chemicals, Inc., assignee: *See*—
Nicholl, Leonard, and Bitler.

Kennedy, Margaret H.: *See*—
Stokes, William E., and Kennedy.

Kercher, Arthur J., Berkeley, Calif. Making tanks. 2,412,271; Dec. 10.

Keresztesy, John C., Westfield, and J. R. Stevens, assignors to Merck & Co., Inc., Rahway, N. J. Acyl derivatives of vitamin B_6. 2,412,272; Dec. 10.

Kerezi, Joseph, Detroit, and L. C. Maysilles, Wayne, Mich. Aircraft landing wheel. 2,412,406; Dec. 10.

Kessler, Louis, assignor to C. J. Muntwyler, Oak Park, Ill. Pump jack. 2,412,222; Dec. 10.

Kilbury, Paul D., Hawthorne, Calif., assignor of one-half to J. W. Billingsley, Newton, Iowa. Dehydrator with removable trays. 2,412,407; Dec. 10.

Kilgore, Lee A.: *See*—
Jones, Maurice F., and Kilgore.

Kincaid, Arnold W., assignee, et al.: *See*—
Robinson, Elvin B.

King, Raymond B., Forest Park, and R. L. Huffman, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,412,273; Dec. 10.

Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool guiding fixture. 2,412,458; Dec. 10.

Klein, Karl, Westport, Conn. Nail. 2,412,517; Dec. 10.

Kloote, George E., assignor to Haskelite Manufacturing Corporation, Grand Rapids, Mich. Apparatus for molding plywood panels. 2,412,274; Dec. 10.

Klopovic, Joseph, Euclid, Ohio. Automatic nut gun. 2,412,275; Dec. 10.

Krelwitz, Burdick F., Milwaukee, Wis. Trap. 2,412,518; Dec. 10.

Kreutz, Rudolph: *See*—
Delegard, Carl J., and Kreutz.

Krochmal, Rudolf: *See*—
Halpern, William, Weiner, and Krochmal.

Kuhn, Charles H., Indianapolis, Ind. Spinner. 2,412,519; Dec. 10.

Langmuir, David B., Englewood, and J. S. Donal, Jr., Princeton Township, Mercer County, N. J., assignors to Radio Corporation of America. Television projector tube. 2,412,520; Dec. 10.

Langston, Samuel M., Co., assignee: *See*—
Behrens, Herbert C.

Larsen, Rudolph H., San Francisco, assignor to Fred Bresee, Jr., doing business as "Balab," Hillsborough, Calif. Defoaming composition and process. 2,412,276; Dec. 10.

Lauer, George J., Long Beach, Calif. Lawn mower reedger. 2,412,343; Dec. 10.

Le Blond, R. K., Machine Tool Company, assignee: *See*—
Hartley, Albert L.

Le Clair, Camille C. S., Acton, London, England. Hydraulic damping device. 2,412,277; Dec. 10.

Ledbetter, John N., Jr., assignee: *See*—
Holm-Hansen, Osmund.

Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Assembly of engine cylinders and manifolds. 2,412,344; Dec. 10.

Lee, Bernard F., Framingham, assignor to J. Sandler, Brookline, Mass. Shoemaking. 2,412,521; Dec. 10.

Lee, John G., Farmington, East Hartford, Conn. Bomb displacing gear. 2,412,460; Dec. 10.

Lehman, Max I., New York, N. Y. Garment. 2,412,522; Dec. 10.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Buoyancy control device. 2,412,223; Dec. 10.

Leonard, Merrill G., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Exhaust valve for torpedo exercise head. 2,412,224; Dec. 10.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Voltage transformer. 2,412,345; Dec. 10.

Losey, Malcolm S., assignee: *See*—
Hall, Charles W.

Lundstrom, Carl B., Little Falls, N. Y. Producing wooden articles of circular cross section and varying diameter and the resulting article. 2,412,523; Dec. 10.

Macintyre, John R., South Peabody, Mass., assignor to General Electric Company. Synchronous motor. 2,412,461; Dec. 10.

Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Door opening and closing device. 2,412,346; Dec. 10.

Maggio, John B.: *See*—
Edson, James O. and W. A., and Maggio.

Magnusson, Knut J.: *See*—
Carson, Benjamin R., and Magnusson.

Mahusky, Frank E., Brooklyn, N. Y. Clamp. 2,412,225; Dec. 10.

Major, Randolph T.: *See*—
Folkers, Karl, and Major.

Mallory, Gerald D., Akron, Ohio, assignor to Wingfoot Corporation. Fatigue test for tire cord. 2,412,524; Dec. 10.

Mantle Lamp Company of America, The, assignee: *See*—
Bramming, Carl.

Mardis, Paul L., Ilkley, assignor to The English Electric Company Limited, London, England. Speed governor switch. 2,412,347; Dec. 10.

Margolin, Meyer, Elgin, Ill. Shoe sole construction. 2,412,226; Dec. 10.

Marion Manufacturing Company, assignee: *See*—
Greene, Oren W., Twitty, and Richie.

Marquette Metal Products Company, assignee: *See*—
Carey, Leroy J.

Marsten, Jesse, assignor to International Resistance Company, Philadelphia, Pa. Resistor construction. 2,412,462; Dec. 10.

Martin, Eugene, Wesleyville, Pa., assignor to The Standard Stoker Company, Incorporated. Fuel receiving and conveying apparatus. 2,412,408; Dec. 10.

Martin, Eugene W., Denver, Colo. Lock nut and assembling same. 2,412,409; Dec. 10.

Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article feeding apparatus. 2,412,278; Dec. 10.

Maslin, Robert M., Sayre, Pa., assignor to International Business Machines Corporation, New York, N. Y. Cutting tool. 2,412,525; Dec. 10.

Mathieson Alkali Works, Inc., The, assignee: *See*—
Weiler, Joseph F.

Maxim, Lloyd, Leominster, Mass. Knife rack for silverware chests. 2,412,410; Dec. 10.

Mayer, Michael, Cleveland, Ohio. Cigarette and safety match holder. 2,412,464; Dec. 10.

Maysilles, Lynn C.: *See*—
Kerezi, Joseph, and Maysilles.

McCaffrey, Marion P., assignee, et al.: *See*—
Meili, Gottfried.

McCoy, Paul E., assignor to American Bitumuls Company, San Francisco, Calif. Coating aggregate with asphalt emulsions. 2,412,526; Dec. 10.

McDaniel, James W., Hayward, Calif. Rail leveling device. 2,412,463; Dec. 10.

McGinnis, Archibald B., assignor to Wheeling Stamping Company, Wheeling, W. Va. Apparatus for the molding of plastic articles. 2,412,411; Dec. 10.

McNally, James G.: *See*—
Dickey, Joseph B., and McNally.

Meili, Gottfried, San Gabriel, assignor of one-half to M. P. McCaffrey, Los Angeles, and one-half to W. Ruddock, South Pasadena, Calif. Control mechanism for hoisting equipment. 2,412,412; Dec. 10.

Melichar, Joseph F.: *See*—
Parker, Arthur L., and Melichar.

Mercier, Harvey O., East Orange, N. J., assignor to National Biscuit Company, New York, N. Y. Gas-air inspirator. 2,412,348; Dec. 10.

Merck & Co., Inc., assignee: *See*—
Folkers, Karl, and Major.
Keresztesy, John C., and Stevens.

Mercury Clutch Corporation, assignee: *See*—
Zimmermann, Hans J.

Meyers, Bernard C., Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Purification of titanium tetrachloride. 2,412,349; Dec. 10.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of ethers of vitamin A. 2,412,465; Dec. 10.

Miller, David J., Jr., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Variable gain amplifier. 2,412,279; Dec. 10.

Miller, John W., London, N. W. 9, assignor to Goodmans Industries Limited, Wembley, Middlesex, England. Electrical coil-winding machine. 2,412,280; Dec. 10.

Miller, William H., Jr., South Orange, N. J., assignor to Gallowhur Chemical Corporation. Inflatable floating solar still with capillary feed. 2,412,466; Dec. 10.

Mills, Albert W., and F. J. Furman, Endicott, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Addressing machine. 2,412,527; Dec. 10.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Borell, George L.
Edelman, Walter E.
Hartig, Henry E.
Olson, Kenneth W.
Shivers, Paul F.

Morgan, Harry C., Dayton, Ohio, assignor, by mesne assignments, to Curtis Engineering Company, Inglewood, Calif. Multiple scale, multiple function instrument indicating system. 2,412,350; Dec. 10.

Morrell, Jacque C., Oak Park, Ill. Coated metal container. 2,412,528; Dec. 10.

Morton, George A., Princeton, N. J., assignor to Radio Corporation of America. Electronic computer. 2,412,467; Dec. 10.

Moss, Richard Y., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,412,413; Dec. 10.

Mott, Chester, Evanston, and G. V. Wallace, Jr., assignors to National Cylinder Gas Company, Chicago, Ill. Torch beveling apparatus. 2,412,281; Dec. 10.

Mount, Donald L., Memphis, Mo. Variable-speed transmitter. 2,412,351; Dec. 10.

Mueller, Alfred, Berwyn, assignor to Crane Co., Chicago, Ill. Valve actuating mechanism. 2,412,529; Dec. 10.

Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,412,414; Dec. 10.

Muntwyler, Charles J., assignee: *See*—
Kessler, Louis.

Murray, Lawrence J.: *See*—
Gillings, Charles, and Murray.

Myerson, Simon, Brookline, Mass. Temporary support for artificial teeth. 2,412,352; Dec. 10.

Naber, George J.: *See*—
Anderson, William C., and Naber.

Napier, D., & Son Limited, assignee: *See*—
Wilson, Thomas S., and Zdanowich.

National Biscuit Company, assignee: *See*—
Mercier, Harvey O.
Tascher, Eugene S.
Tascher, Eugene S., and Bazant.

National Cylinder Gas Company, assignee: *See*—
Mott, Chester, and Wallace.

National Folding Box Company, assignee: *See*—
Fink, Raymond E.

National Malleable and Steel Castings Company, assignee: *See*—
Bucklus, Albert O.

Navon, Haimi, Brooklyn, N. Y. Combination umbrella and cape. 2,412,415; Dec. 10.

Nelson, Raymond A., Deerfield, Ill. Computing apparatus. 2,412,416; Dec. 10.

Nelson, Richard C., Clearwater Beach, assignor to Essential Oil Producers, Inc., Dunedin, Fla. Treatment of hydrophilic material and product. 2,412,282; Dec. 10.

Nestlen, Howard: *See*—
Kallas, Danos H., Cizek, and Nestlen.

Newell, Wallace L., Seattle, Wash. Raising sunken vessels. 2,412,417; Dec. 10.

Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Variable speed device. 2,412,468; Dec. 10.

Nicholl, Leonard, Nyack, and W. P. Bitler, Haverstraw, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Triethylene glycol diheptoate. 2,412,469; Dec. 10.

Norton, Francis J., Schenectady, N. Y., assignor to General Electric Company. Production of water-repellent materials. 2,412,470; Dec. 10.

Novy, Loretta, assignor to Well-Kalter Manufacturing Company, St. Louis, Mo. Slip. 2,412,530; Dec. 10.

Obermaier, John A., River Forest, Ill. Securing and sealing means for meter box housings. 2,412,418; Dec. 10.

O-Cedar Corp'n, assignee: *See*—
Dupuy, Charles F. J.

Och, Henry G., West Englewood, and K. D. Swartzel, Jr., Teaneck, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical differentiator. 2,412,227; Dec. 10.

O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Car roof structure. 2,412,283; Dec. 10.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Apparatus for regulating vehicle speed. 2,412,228; Dec. 10.

Olson, Kenneth W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air-speed responsive device. 2,412,471; Dec. 10.

Orcutt, Arthur H., assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England. Controlling means for fluid operated machine tools. 2,412,284; Dec. 10.

Palotsee, John J., Youngstown, Ohio. Adjustable hone. 2,412,419; Dec. 10.

Pape, Bruno L., New Braunfels, Tex. Pipe cleaner. 2,412,531; Dec. 10.

Parker Appliance Company, The, assignee: *See*—
Parker, Arthur L., and Melichar.

Parker, Arthur L., and J. F. Melichar, assignors to The Parker Appliance Company, Cleveland, Ohio. Engine primer. 2,412,532; Dec. 10.

Parker Rust Proof Company, assignee: *See*—
Tanner, Robert R.

Parker, Samuel P., assignor to Callaway Mills, La Grange, Ga. Weaving apparatus. 2,412,353; Dec. 10.

Parker, Samuel P., assignor to Callaway Mills, La Grange, Ga. Loom shedding means. 2,412,354; Dec. 10.

Parker, Samuel P., assignor to Callaway Mills, La Grange, Ga. Loom. 2,412,355; Dec. 10.

Parsons, John T., and A. V. Brogren, Detroit, Mich. Bomb protective band. 2,412,420; Dec. 10.

Peck, Garrette W., Pensacola, Fla., assignor to H. W. Taylor, Richmond, Va. Aircraft transport plane. 2,412,285; Dec. 10.

Pedersen, Hans V., Marshalltown, Iowa. Stationary flash calcining furnace. 2,412,286; Dec. 10.

Peerless Machine Company, assignee: *See*—
Ziska, Adam.

Peerless of America Inc., assignee: *See*—
Hoesel, Anthony F.

Pesco Products Co., assignee: *See*—
Rockwell, Edward A., and Roth.

Peterson, Donald W.: *See*—
Brown, George H., and Peterson.

Petrie, James A., Derby, England. Damping arrangement for vehicle suspension systems. 2,412,533; Dec. 10.

Philco Corporation, assignee: *See*—
Miller, David J., Jr.

Phillips, Burdette H.: *See*—
Daly, George F., and Phillips.

Phillips, Dwight M., Fullerton, assignor to Chiksan Tool Company, Brea, Calif. Hub for hose reels and the like. 2,412,287; Dec. 10.

Phillips Petroleum Company, assignee: *See*—
Ibach, Gerald A., and Tate.
Wagner, Cary R.

Pittsburgh Plate Glass Company, assignee: *See*—
Ellerman, George E.
Meyers, Bernard C.

Plessey Company Limited, The, assignee: *See*—
Pugh, Cyril A., and Booth.

Polk, Louis F., and W. F. Aller, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,412,421; Dec. 10.

Pollak, Carl, Forest Hills, N. Y. Apparatus for making montage prints. 2,412,288; Dec. 10.

Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film feeding device. 2,412,551; Dec. 10.

Premier Crystal Laboratories, Inc., assignee: *See*—
Bach, Henry M.

Prior, James C.: *See*—
Battersby, Robert B., and Prior.

Pugh, Cyril A., and D. G. Booth, assignors to The Plessey Company Limited, Ilford, Essex, England. Pump having bypass with speed-sensitive and pressure-responsive control. 2,412,289; Dec. 10.

Pure Oil Company, The, assignee: *See*—
Bond, Donald C., and Savoy.

Rabenda, Edward J.: *See*—
Mills, Albert W., Furman, and Rabenda.

Rabenda, Edward J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Recording apparatus. 2,412,422; Dec. 10.

Radio Corporation of America, assignee: *See*—
Boerner, Thomas J., and Sanborn.
Brown, George H.
Brown, George H., and Peterson.
Carson, Benjamin R., and Magnusson.
Carter, Phillip S.
Dimmick, Glenn L.
Ghosh, Saraju P.
Langmuir, David B., and Donal.
Lindenblad, Nils E.
Morton, George A.
Rajchman, Jan A., and Goldberg.
Schade, Otto H.
Smith, Lester C.
Spencer, James A.
Usselman, George L.
Vilkomerson, Benjamin S.
Young, Charles J.

Radzinsky, Harry, assignee, et al.: *See*—
Crockford, Joseph R.

Rajchman, Jan A., and E. A. Goldberg, Princeton, N. J., assignors to Radio Corporation of America. Automatic gain control circuit. 2,412,423; Dec. 10.

Randall, Boardman M., Portsmouth, assignor to Tekwood, Inc., Lakesport, N. H. Impregnated composite board. 2,412,534; Dec. 10.

Rath, Karl, New York, N. Y. Photoelectric control device for camera diaphragms. 2,412,424; Dec. 10.

Rawson, Harry H., Spokane, Wash. Foundry sand sifting and flask-filling apparatus. 2,412,425; Dec. 10.

Rayko, Michael, Indiana, Pa. Nursing bottle holder. 2,412,426; Dec. 10.

Raylite Electric Corp., assignee: *See*—
Abramson, Abraham.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Records, Elmer H., Tacoma, Wash. Refining of low-grade hydrocarbon oils. 2,412,427; Dec. 10.

Refining, Unincorporated, assignee: *See*—
Clayton, Benjamin.

Reliable Sheet Metal Engineering Co., assignee: *See*—
Ryno, Juddson B., and Casey.

Remington Rand Inc., assignee: *See*—
Roggenstein, Edwin O.

Research Corporation, assignee: *See*—
Milas, Nicholas S.

Richardson, Earl L., Bound Brook, and K. L. Russell, Nutley, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Antiperspirant preparation. 2,412,535; Dec. 10.

Richie, Therman L.: *See*—
Greene, Oren W., Twitty, and Richie.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Mechanically tuned oscillator. 2,412,536; Dec. 10.

Rieske, Otto G., Buffalo, N. Y. Roller skate. 2,412,290; Dec. 10.

Roberts, Frank H., and J. H. Abbink-Spaink, Jesmond, Newcastle-on-Tyne 2, assignors to Vickers-Armstrongs Limited, London, England. Apparatus for the automatic adjustment of the angle of elevation of guns. 2,412,356; Dec. 10.

Robinson, Elvin B., Gastonia, assignor of one-third to C. J. Costner and one-third to A. W. Kincaid, Bessemer City, N. C. Drawing frame structure. 2,412,357; Dec. 10.

Rockwell, Edward A., Cleveland, and J. M. Roth, Euclid, Ohio, assignors to Pesco Products Co. Unloading double check valve. 2,412,428; Dec. 10.

Roe, Andrew L., Bryan, assignor of one-half to C. Siebenaler, Edon, Ohio. Corn picker. 2,412,358; Dec. 10.

Roggenstein, Edwin O., Utica, assignor to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,412,537; Dec. 10.

Roper, Edwin E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Ionic analysis. 2,412,359; Dec. 10.

Roth, Jay M.: *See*—
Rockwell, Edward A., and Roth.

Ruddock, William, assignee, et al.: *See*—
Meill, Gottfried.

Russell, Kenneth L.: *See*—
Richardson, Earl L., and Russell.

Ryan, Commodore D., Los Angeles, Calif., assignor to Commercial Controls Corporation. Liquid level controlling device for envelope moistening devices. 2,412,538; Dec. 10.

Ryan, Commodore D., Los Angeles, F. P. Sager, Alhambra, and E. R. Bergmark, Los Angeles, Calif., assignors to Commercial Controls Corporation. Postage printer. 2,412,472; Dec. 10.

Ryno, Juddson B., Chicago, and C. L. Casey, Riverside, assignors to Reliable Sheet Metal Engineering Co., Chicago, Ill. Vending machine. 2,412,539; Dec. 10.

Sager, Frank P.: *See*—
Ryan, Commodore D., Sager, and Bergmark.

Sanborn, John W.: *See*—
Boerner, Thomas J., and Sanborn.

Sandler, Jacob, assignee: *See*—
Lee, Bernard F.

Sarco Company, Inc., assignee: *See*—
Hilmer, Milton, Signarovitz, and Adlam.

Saunders, Alfred P.: *See*—
Holmes, Henry H., and Saunders.

Savoy, Michael: *See*—
Bond, Donald C., and Savoy.

Schaad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic hydrocarbons. 2,412,229; Dec. 10.

Schaad, Raymond E., assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic hydrocarbons. 2,412,230; Dec. 10.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,412,291; Dec. 10.

Scheu, Donald R.: *See*—
Slingluff, Eugene L., and Scheu.

Schneider, Wendel M., Chicago, Ill. Photographic control means. 2,412,292; Dec. 10.

Schnoebelen, Earl L., Rock Island, Ill. Dynamic and static balancing machine. 2,412,473; Dec. 10.

Schorn, Carl F., Detroit, Mich., assignor to G. M. and E. Holley. Power control. 2,412,360; Dec. 10.

Schreck, Henry, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Control for fuel introduction to engine cylinders. 2,412,361; Dec. 10.

Schwartz, Sidney, assignee: *See*—
Battersby, Robert B., and Prior.

Schymik, Walter H., Oreland, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Field switch. 2,412,293; Dec. 10.

Scott-Paine, Hubert, Greenwich, Conn., and A. G. W. Hall, Montreal, Quebec, Canada; said Hall assignor to said Scott-Paine. Device facilitating walking on mud. 2,412,474; Dec. 10.

Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker locking device. 2,412,294; Dec. 10.

Scott & Williams, Incorporated, assignee: *See*—
Bristow, Paul W.

Selby, John: *See*—
Van Denberg, Thomas F., and Selby.

Sellaro, Angelo V, Hatboro, Pa. Emergency ignition unit. 2,412,540; Dec. 10.

Semegen, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of acrylic ester polymers. 2,412,475; Dec. 10.

Semegen, Stephen T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Treatment of acrylic ester polymers. 2,412,476; Dec. 10.

Seng Company, The, assignee: *See*—
Fox, Martin.

Sepavich, Victor F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pull-over shaft drive for axminster looms. 2,412,477; Dec. 10.

Shaffer, Philip A., Jr., assignor to California Institute Research Foundation, Pasadena, Calif. Microburet. 2,412,295; Dec. 10.

Shapiro, Carl L., Beaver Falls, Pa. Method of and apparatus for depolymerizing acrylate resins. 2,412,296; Dec. 10.

Sharkey, Edward H., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic tube testing apparatus. 2,412,231; Dec. 10.

Sheffield Corporation, The, assignee: *See*—
Aller, Willis F.
Moss, Richard Y.
Polk, Louis F., and Aller.

Shell Development Company, assignee: *See*—
Harsch, Raymond.

Shirk, Charles H.: *See*—
Shirk, William C., J. A. and R. C. Jacobson, and Shirk.

Shirk, William C., Sioux Falls, J. A. and R. C. Jacobson, Brandon, and C. H. Shirk, Sioux Falls, S. Dak. Loading machine. 2,412,297; Dec. 10.

Shivers, Paul F., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Altimeter. 2,412,541; Dec. 10.

Siazik, Victor, Detroit, Mich. Sighting means for machine guns. 2,412,298; Dec. 10.

Sickles, F. W., Company, The, assignee, et al.: *See*—
Benner, Howard J.

Siebenaler, Clarence, assignee: *See*—
Roe, Andrew L.

Signarovitz, George J.: *See*—
Hilmer, Milton, Signarovitz, and Adlan.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Power lift mechanism. 2,412,362; Dec. 10.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well logging. 2,412,363; Dec. 10.

Sim, James, Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Steam actuated pilot controlled distribution valve for steam engines. 2,412,478; Dec. 10.

Sinclair Refining Company, assignee: *See*—
Teter, John W.

Sivyer, Benjamin E., Whitefish Bay, assignor to Chain Belt Company, Milwaukee, Wis. Chain link construction. 2,412,364; Dec. 10.

Slingluff, Eugene L., Bath Township, Summit County, and D. R. Scheu, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Striping flexible strip material. 2,412,429; Dec. 10.

Smith, Lester C., Westmont, N. J., assignor to Radio Corporation of America. Deflection circuits. 2,412,542; Dec. 10.

Smith, Oris J., Cleveland, Ohio, assignor to Air Reduction Company, Incorporated, New York, N. Y. Quick-action gas valve. 2,412,479; Dec. 10.

Snow, Howard, Charlotte, N. C., assignor to Southern Friction Materials Company. Molding press. 2,412,299; Dec. 10.

Sollinger, Ferdinand P., Paterson, N. J., assignor to Wright Aeronautical Corporation. Variable turbine nozzle. 2,412,365; Dec. 10.

Southern Friction Materials Company, assignee: *See*—
Snow, Howard.

Spencer, Arthur, Benwell, Newcastle-on-Tyne, and J. H. Abbink-Spaink, Jesmond, Newcastle-on-Tyne, assignors to Vickers-Armstrongs Limited, London, England. Pressure fluid follow-up motor. 2,412,366; Dec. 10.

Spencer, Chester L.: *See*—
Andersen, George D., Spencer, and Hansen.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Telegraph tape reperforator. 2,412,300; Dec. 10.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Random code tape perforator. 2,412,301; Dec. 10.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Getter. 2,412,302; Dec. 10.

Sperry Gyroscope Company, Inc., assignee: *See*—
Carter, Leslie F., and West.

Spitzli, Donald H., Summit, and R. W. Charlton, Montclair, N. J., assignors to Congoleum-Nairn Inc. Fire retardant linoleum type coverings. 2,412,303; Dec. 10.

Staley, Marcellus, Patchogue, N. Y. Electromagnet. 2,412,304; Dec. 10.

Standard Brands Incorporated, assignee: *See*—
Stokes, William E., and Kennedy.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Martin, Eugene.

Standard Oil Development Company, assignee: *See*—
Gleason, Anthony H.

Stanolind Oil and Gas Company, assignee: *See*—
Roper, Edwin E.
Silverman, Daniel.

Steble, Frank K., Philadelphia, Pa. Form for tying neckties. 2,412,480; Dec. 10.

Stevens, Joseph R.: *See*—
Keresztesy, John C., and Stevens.

Stokes, William E., Garden City, and M. H. Kennedy, Bronx, assignors to Standard Brands Incorporated, New York, N. Y. Food product. 2,412,305; Dec. 10.

Stoll, Reinhold, Elgin, Ill., assignor to Western Electric Company, Incorporated. New York, N. Y. Lapping apparatus. 2,412,306; Dec. 10.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool guiding fixture. 2,412,459; Dec. 10.

Mueller, Alfred, Berwyn, assignor to Crane Co., Chicago, Ill. Valve actuating mechanism. 2,412,529; Dec. 10.

Mueller, Joseph J., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Hydraulic jack. 2,412,414; Dec. 10.

Muntwyler, Charles J., assignee: *See*—
Kessler, Louis.

Murray, Lawrence J.: *See*—
Gillings, Charles, and Murray.

Myerson, Simon, Brookline, Mass. Temporary support for artificial teeth. 2,412,352; Dec. 10.

Naber, George J.: *See*—
Anderson, William C., and Naber.

Napier, D., & Son Limited, assignee: *See*—
Wilson, Thomas S., and Zdanowich.

National Biscuit Company, assignee: *See*—
Mercier, Harvey O.
Tascher, Eugene S.
Tascher, Eugene S., and Bazant.

National Cylinder Gas Company, assignee: *See*—
Mott, Chester, and Wallace.

National Folding Box Company, assignee: *See*—
Fink, Raymond E.

National Malleable and Steel Castings Company, assignee: *See*—
Bucklus, Albert O.

Navon, Haimi, Brooklyn, N. Y. Combination umbrella and cape. 2,412,415; Dec. 10.

Nelson, Raymond A., Deerfield, Ill. Computing apparatus. 2,412,416; Dec. 10.

Nelson, Richard C., Clearwater Beach, assignor to Essential Oil Producers, Inc., Dunedin, Fla. Treatment of hydrophilic material and product. 2,412,282; Dec. 10.

Nestlen, Howard: *See*—
Kallas, Danos H., Cizek, and Nestlen.

Newell, Wallace L., Seattle, Wash. Raising sunken vessels. 2,412,417; Dec. 10.

Newell, William H., New York, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Variable speed device. 2,412,468; Dec. 10.

Nicholl, Leonard, Nyack, and W. P. Bitler, Haverstraw, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Triethylene glycol diheptoate. 2,412,469; Dec. 10.

Norton, Francis J., Schenectady, N. Y., assignor to General Electric Company. Production of water-repellent materials. 2,412,470; Dec. 10.

Novy, Loretta, assignor to Weil-Kalter Manufacturing Company, St. Louis, Mo. Slip. 2,412,530; Dec. 10.

Obermaier, John A., River Forest, Ill. Securing and sealing means for meter box housings. 2,412,418; Dec. 10.

O-Cedar Corp'n, assignee: *See*—
Dupuy, Charles F. J.

Och, Henry G., West Englewood, and K. D. Swartzel, Jr., Teaneck, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical differentiator. 2,412,227; Dec. 10.

O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Car roof structure. 2,412,283; Dec. 10.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Apparatus for regulating vehicle speed. 2,412,228; Dec. 10.

Olson, Kenneth W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air-speed responsive device. 2,412,471; Dec. 10.

Orcutt, Arthur H., assignor to The Gear Grinding Company Limited, Shirley, near Birmingham, England. Controlling means for fluid operated machine tools. 2,412,284; Dec. 10.

Palotsee, John J., Youngstown, Ohio. Adjustable hone. 2,412,419; Dec. 10.

Pape, Bruno L., New Braunfels, Tex. Pipe cleaner. 2,412,531; Dec. 10.

Parker Appliance Company, The, assignee: *See*—
Parker, Arthur L., and Melichar.

Parker, Arthur L., and J. F. Melichar, assignors to The Parker Appliance Company, Cleveland, Ohio. Engine primer. 2,412,532; Dec. 10.

Parker Rust Proof Company, assignee: *See*—
Tanner, Robert R.

Parker, Ga. Samuel P., assignor to Callaway Mills, La Grange, Weaving apparatus. 2,412,353; Dec. 10.

Parker, Ga. Samuel P., assignor to Callaway Mills, La Grange, Loom shedding means. 2,412,354; Dec. 10.

Parker, Ga. Samuel P., assignor to Callaway Mills, La Grange, Loom. 2,412,355; Dec. 10.

Parsons, John T., and A. V. Brogren, Detroit, Mich. Bomb protective band. 2,412,420; Dec. 10.

Peck, Garrette W., Pensacola, Fla., assignor to H. W. Taylor, Richmond, Va. Aircraft transport plane. 2,412,285; Dec. 10.

Pedersen, Hans V., Marshalltown, Iowa. Stationary flash calcining furnace. 2,412,286; Dec. 10.

Peerless Machine Company, assignee: *See*—
Ziska, Adam.

Peerless of America Inc., assignee: *See*—
Hoesel, Anthony F.

Pesco Products Co., assignee: *See*—
Rockwell, Edward A., and Roth.

Peterson, Donald W.: *See*—
Brown, George H., and Peterson.

Petrie, James A., Derby, England. Damping arrangement for vehicle suspension systems. 2,412,533; Dec. 10.

Philco Corporation, assignee: *See*—
Miller, David J., Jr.

Phillips, Burdette H.: *See*—
Daly, George F., and Phillips.

Phillips, Dwight M., Fullerton, assignor to Chiksan Tool Company, Brea, Calif. Hub for hose reels and the like. 2,412,287; Dec. 10.

Phillips Petroleum Company, assignee: *See*—
Ibach, Gerald A., and Tate.
Wagner, Cary R.

Pittsburgh Plate Glass Company, assignee: *See*—
Ellerman, George E.
Meyers, Bernard C.

Plessey Company Limited, The, assignee: *See*—
Pugh, Cyril A., and Booth.

Polk, Louis F., and W. F. Aller, assignors to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,412,421; Dec. 10.

Pollak, Carl, Forest Hills, N. Y. Apparatus for making montage prints. 2,412,288; Dec. 10.

Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film feeding device. 2,412,551; Dec. 10.

Premier Crystal Laboratories, Inc., assignee: *See*—
Bach, Henry M.

Prior, James C.: *See*—
Battersby, Robert B., and Prior.

Pugh, Cyril A., and D. G. Booth, assignors to The Plessey Company Limited, Ilford, Essex, England. Pump having bypass with speed-sensitive and pressure-responsive control. 2,412,289; Dec. 10.

Pure Oil Company, The, assignee: *See*—
Bond, Donald C., and Savoy.

Rabenda, Edward J.: *See*—
Mills, Albert W., Furman, and Rabenda.

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Dimmick, Glenn L.
Ghosh, Saraju P.
Langmuir, David B., and Donal.
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Morton, George A.
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Vilkomerson, Benjamin S.
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Greene, Oren W., Twitty, and Richie.

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Boerner, Thomas J., and Sanborn.

Sandler, Jacob, assignee: *See*—
Lee, Bernard F.

Sarco Company, Inc., assignee: *See*—
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Holmes, Henry H., and Saunders.

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Van Denberg, Thomas F., and Selby.

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Harsch, Raymond.

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Shirk, William C., J. A. and R. C. Jacobson, and Shirk.

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Roe, Andrew L.

Signarovitz, George J.: *See*—
Hilmer, Milton, Signarovitz, and Adlan.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Power lift mechanism. 2,412,362; Dec. 10.

Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Well logging. 2,412,363; Dec. 10.

Sim, James, Cathcart, Glasgow, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Steam actuated pilot controlled distribution valve for steam engines. 2,412,478; Dec. 10.

Sinclair Refining Company, assignee: *See*—
Teter, John W.

Sivyer, Benjamin E., Whitefish Bay, assignor to Chain Belt Company, Milwaukee, Wis. Chain link construction. 2,412,364; Dec. 10.

Slingluff, Eugene L., Bath Township, Summit County, and D. R. Scheu, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Striping flexible strip material. 2,412,429; Dec. 10.

Smith, Lester C., Westmont, N. J., assignor to Radio Corporation of America. Deflection circuits. 2,412,542; Dec. 10.

Smith, Oris J., Cleveland, Ohio, assignor to Air Reduction Company, Incorporated, New York, N. Y. Quick-action gas valve. 2,412,479; Dec. 10.

Snow, Howard, Charlotte, N. C., assignor to Southern Friction Materials Company. Molding press. 2,412,299; Dec. 10.

Sollinger, Ferdinand P., Paterson, N. J., assignor to Wright Aeronautical Corporation. Variable turbine nozzle. 2,412,365; Dec. 10.

Southern Friction Materials Company, assignee: *See*—
Snow, Howard.

Spencer, Arthur, Benwell, Newcastle-on-Tyne, and J. H. Abbink-Spaink, Jesmond, Newcastle-on-Tyne, assignors to Vickers-Armstrongs Limited, London, England. Pressure fluid follow-up motor. 2,412,366; Dec. 10.

Spencer, Chester L.: *See*—
Andersen, George D., Spencer, and Hansen.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Telegraph tape reperforator. 2,412,300; Dec. 10.

Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Random code tape perforator. 2,412,301; Dec. 10.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Getter. 2,412,302; Dec. 10.

Sperry Gyroscope Company, Inc., assignee: *See*—
Carter, Leslie F., and West.

Spitzli, Donald H., Summit, and R. W. Charlton, Montclair, N. J., assignors to Congoleum-Nairn Inc. Fire retardant linoleum type coverings. 2,412,303; Dec. 10.

Staley, Marcellus, Patchogue, N. Y. Electromagnet. 2,412,304; Dec. 10.

Standard Brands Incorporated, assignee: *See*—
Stokes, William E., and Kennedy.

Standard Stoker Company, Incorporated, The, assignee: *See*—
Martin, Eugene.

Standard Oil Development Company, assignee: *See*—
Gleason, Anthony H.

Stanolind Oil and Gas Company, assignee: *See*—
Roper, Edwin E.
Silverman, Daniel.

Stehle, Frank K., Philadelphia, Pa. Form for tying neckties. 2,412,480; Dec. 10.

Stevens, Joseph R.: *See*—
Keresztesy, John C., and Stevens.

Stokes, William E., Garden City, and M. H. Kennedy, Bronx, assignors to Standard Brands Incorporated, New York, N. Y. Food product. 2,412,305; Dec. 10.

Stoll, Reinhold, Elgin, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Lapping apparatus. 2,412,306; Dec. 10.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool guiding fixture. 2,412,459; Dec. 10.

Submarine Signal Company, assignee: *See*—
Turner, Edwin E., Jr.
Suelflow, Alfred G., deceased; G. I. Hansen, executor, assignor to Felins Tying Machine Company, Milwaukee, Wis. Vegetable washer. 2,412,430; Dec. 10.
Sullivan, Thomas H., Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun carriage. 2,412,367; Dec. 10.
Summers, Thomas O., Jr., Los Angeles, Calif. Friction-actuated erecting mechanism. 2,412,481; Dec. 10.
Sutton, Bernard G., Algonac, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,412,232; Dec. 10.
Swartzel, Karl D., Jr.: *See*—
Och, Henry G., and Swartzel.
Synchro Machine Company, assignee: *See*—
Bruestle, Carl O.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,412,432; Dec. 10.
Tack, Carl E., and N. Flesch, assignors to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,412,431; Dec. 10.
Tanner, Robert R., assignor to Parker Rust Proof Company, Detroit, Mich. Coated zinc article and making same. 2,412,543; Dec. 10.
Tascher, Eugene S., Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y. Package delivery chute. 2,412,368; Dec. 10.
Tascher, Eugene S., Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y. Carton forming machine. 2,412,369; Dec. 10.
Tascher, Eugene S., Ingleside, Ill., and W. Bazant, Wyandanch, assignors to National Biscuit Company, New York, N. Y. Carton forming and filling machine. 2,412,370; Dec. 10.
Tate, Carmen C.: *See*—
Ibach, Gerald A., and Tate.
Tatsch, Richard, Laguna Beach, Calif. Reinforcing spacer. 2,412,307; Dec. 10.
Taylor, Andrew B., Wauna, Oreg. Cutter for ring grooving cutter heads. 2,412,433; Dec. 10.
Taylor, Daniel D.: *See*—
Washburn, Harold W., and Taylor.
Taylor, Howard W., assignee: *See*—
Peck, Garrette W.
TekWood, Inc., assignee: *See*—
Randall, Boardman M.
Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Manufacture of gasoline. 2,412,371; Dec. 10.
Thompson, Albert T., New Orleans, La. Pressure vessel. 2,412,434; Dec. 10.
Thomte, Sten E. A., Vastervik, Sweden. Grinding. 2,412,435; Dec. 10.
Tidd, Arthur H.: *See*—
Glanz, Sjunne W., and Tidd.
Titan Valve and Manufacturing Company, The, assignee: *See*—
Van Denberg, Thomas F., and Selby.
Tominello, Samuel M., Chicago, Ill. Bacon hanger. 2,412,233; Dec. 10.
Topott, Sidney F.: *See*—
Hunter, Albert E., and Topott.
Trumbull Electric Manufacturing Company, The, assignee: *See*—
Anderson, William, and Naber.
Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Apparatus for echo distance measurement. 2,412,234; Dec. 10.
Twin Disc Clutch Company, assignee: *See*—
Vanderzee, Harry H.
Twitty, Robert W.: *See*—
Greene, Oren W., Twitty, and Richie.
Union Asbestos & Rubber Company, assignee: *See*—
O'Connor, Arthur F.
United Aircraft Corporation, assignee: *See*—
Kalitinsky, Andrew.
Ledwith, Walter A.
United Shoe Machinery Corporation, assignee: *See*—
Sullivan, Thomas H.
United States of America, assignee: *See*—
Hoagland, Reginald W.
Universal Oil Products Company, assignee: *See*—
Schaad, Raymond E.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Magnetron. 2,412,372; Dec. 10.
Van Denberg, Thomas F., Cleveland Heights, and J. Selby, Euclid, assignors to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Safety valve mechanism. 2,412,235; Dec. 10.
Vanderzee, Harry H., assignor to Twin Disc Clutch Company, Racine, Wis. Fluid operated clutch. 2,412,436; Dec. 10.
Vickers-Armstrongs Limited, assignee: *See*—
Roberts, Frank H., and Abbink-Spaink.
Spencer, Arthur, and Abbink-Spaink.
Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Discriminator-rectifier circuits. 2,412,482; Dec. 10.
Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Production of unsaturated nitriles. 2,412,437; Dec. 10.
Wallace, Glenn V., Jr.: *See*—
Mott, Chester, and Wallace.
Warner Electric Brake Manufacturing Company, assignee: *See*—
Oetzel, John G.
Warrington, Albert R. V., Wallingford, Pa., assignor to General Electric Company. Thermal protective device. 2,412,483; Dec. 10.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,412,236; Dec. 10.
Washburn, Harold W., Pasadena, and D. D. Taylor, Altadena, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,412,237; Dec. 10.
Wassell, Frank L., assignor to G. P. Wassell, Westport, Conn. Production control board. 2,412,238; Dec. 10.
Wassell, Georgene P., assignee: *See*—
Wassell, Frank L.
Waters, Harry F., New York, N. Y. Reusable collapsible liquid carrying and dispensing container. 2,412,544; Dec. 10.
Waters, Harry F., New York, N. Y. Packaging. 2,412,546; Dec. 10.
Waters, Harry F., New York, N. Y. Crushproof reinforced paperboard package with liquid-tight liner and making same. 2,412,547; Dec. 10.
Watts, Vilas E., assignor to American Bitumuls Company, San Francisco, Calif. Coating aggregate with bituminous emulsions. 2,412,545; Dec. 10.
Weber, Carl, New York, N. Y. Producing piling. 2,412,239; Dec. 10.
Weil-Kalter Manufacturing Company, assignee: *See*—
Novy, Loretta.
Weller, Joseph F., Lewiston, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of vinyl chloride. 2,412,308; Dec. 10.
Weiner, Kurt: *See*—
Halpern, William, Weiner, and Krochmal.
Weir, G. & J. Limited: *See*—
Sim, James.
Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance elements durable at high temperatures and proof against chemical action, and making same. 2,412,373; Dec. 10.
Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance elements durable at high temperatures and proof against chemical action, and making same. 2,412,374; Dec. 10.
Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance elements durable at high temperatures and proof against chemical action, and making same. 2,412,375; Dec. 10.
Wejnarth, Axel R., Stockholm, Sweden. Electrical resistance elements durable at high temperatures and proof against chemical action, and making same. 2,412,376; Dec. 10.
Wells, Martin, Los Angeles, Calif. Insulated electrode holder. 2,412,309; Dec. 10.
West, Francis, Jr.: *See*—
Carter, Leslie F., and West.
Western Electric Company, Incorporated, assignee: *See*—
Kivley, Ray C.
Martindell, Frank.
Stoll, Reinhold.
Stull, John S.
Westinghouse Electric Corporation, assignee: *See*—
Johnston, William A.
Jones, Maurice F.
Jones, Maurice F. and R. C.
Jones, Maurice F., and Kilgore.
Jones, Ruel C.
Jones, Ruel C. and M. F.
Leonard, Merrill G.
Wethly, Frans, Manhasset, N. Y. Underfired regenerative coke oven without sole channels. 2,412,484; Dec. 10.
Wheeling Stamping Company, assignee: *See*—
McGinnis, Archibald B.
Whisnant, John K.: *See*—
Jackson, Arthur L., and Whisnant.
White Sewing Machine, assignee: *See*—
Hamlett, Sidney J., Jr.
Whiteley, Joseph W., assignor to A. C. Cossor Limited, London, England. Saw-tooth voltage generator. 2,412,485; Dec. 10.
Wildt and Company Limited, assignee: *See*—
Holmes, Henry H., and Saunders.
Williams, Frank W., and J. Clark, Dayton, Ohio. Testing for imperfections in vibratable objects. 2,421,240; Dec. 10.
Williams, Raymond L., Arcadia, Calif. Balanced pressure switch. 2,412,377; Dec. 10.
Wilson, Thomas S., and R. Zdanowich, assignors to D. Napier & Son Limited, London, England. Torsiograph. 2,412,548; Dec. 10.

Wilson, Walter G., Martyr Worthy, near Winchester, Hampshire, England. Steering device for aircraft or other vessels. 2,412,486; Dec. 10.
Wingfoot Corporation, assignee: *See*—
Gardner, Charles E.
Mallory, Gerald D.
Wright Aeronautical Corporation, assignee: *See*—
Sollinger, Ferdinand P.
Yates, Edward W., and T. S. Armandroff, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Automatic pattern controlled milling machine. 2,412,549; Dec. 10.
Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Signal recording system. 2,412,310.
Youngstown Steel Door Company, assignee: *See*—
Madland, Thorvald.
Zdanowich, Richard: *See*—
Wilson, Thomas S., and Zdanowich.
Zimmermann, Hans J., assignor to Mercury Clutch Corporation, Canton, Ohio. Engaging and disengaging mercury clutch. 2,412,378; Dec. 10.
Ziska, Adam, Wauwatosa, assignor to Peerless Machine Company, Racine, Wis. Metal sawing machine. 2,412,311; Dec. 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Gypsum composition. T. P. Camp. Re. 22,816; Dec. 10.
Toy railway car, Turn-tilt, unloading. R. G. Smith. Re. 22,817; Dec. 10.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. A. Cumming. 718; Dec. 10.
Rose plant. W. E. Lammerts. 716; Dec. 10.
Rose plant. H. C. Swim. 717; Dec. 10.

LIST OF DESIGN INVENTIONS

Bowl or article of similar nature, Glass. A. J. Dreitzer. 146,019; Dec. 10.
Box or the like. L. E. Elliott. 146,020; Dec. 10.
Bracelet. A. Katz. 146,043–5; Dec. 10.
Bracelet. A. Katz. 146,053–4; Dec. 10.
Brooch or similar article. S. Darvie. 146,018; Dec. 10.
Brooch or similar article. A. Katz. 146,040; Dec. 10.
Brooch or similar article. A. Katz. 146,046–7; Dec. 10.
Brooch or similar article. A. Katz. 146,049–50; Dec. 10.
Brooch or similar article. A. Katz. 146,052; Dec. 10.
Brooch, Separable. A. Katz. 146,031–9; Dec. 10.
Brooch, Separable. A. Katz. 146,048; Dec. 10.
Brooch, Separable. A. Katz. 146,051; Dec. 10.
Card punching machine and stand, Combined. H. E. Hooe. 146,027; Dec. 10.
Card punching machine. H. E. Hooe. 146,028; Dec. 10.
Coat. J. Freedman. 146,021; Dec. 10.
Doll, Double-headed. F. B. Salter. 146,062; Dec. 10.
Earring or similar article. A. Katz. 146,041–2; Dec. 10.
Film slide viewer. W. A. Lieberman and J. W. Thomsen. 146,057; Dec. 10.
Game board. H. M. Muncheryan. 146,060; Dec. 10.
Hanger, Garment. L. Levin. 146,056; Dec. 10.
Ironing machine. C. J. Godfrey. 146,023; Dec. 10.
Lamp or similar article. H. Asch. 146,063; Dec. 10.
Marking instrument and stand, Combined. S. A. Harris. 146,025; Dec. 10.
Mirror. W. B. Ligorner. 146,058; Dec. 10.
Pen, Ball point fountain. L. J. Campbell and M. E. Hirsch. 147,016; Dec. 10.
Pitcher. H. T. Homan. 146,026; Dec. 10.
Rack, Clothes. A. J. Berna. 146,014; Dec. 10.
Rack, Tie J. A. and H. E. Bittel. 146,015; Dec. 10.
Radiator, Electric steam. H. J. Freyman. 146,022; Dec. 10.
Ring, Finger. D. Cook. 146,017; Dec. 10.
Snap fastener, Clasp-on. H. G. Johnston. 146,030; Dec. 10.
Stand and appliance support for dressing hair. H. M. McCalla. 146,059; Dec. 10.
Tenderer, Meat. F. B. Graham. 146,024; Dec. 10.
Toy xylophone. A. F. Korman. 146,055; Dec. 10
Vehicle, Juvenile. B. T. Johnson. 146,029; Dec. 10.
Wagon and scooter, Combined coaster S. Patner. 146,061; Dec. 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid by azeotropic distillation, Dehydration of acetic. H. M. Guinot. 2,412,215; Dec. 10.
Acrylate resins, Method of and apparatus for depolymerizing. C. L. Shapiro. 2,412,296; Dec. 10.
Acrylic ester polymers, Treatment of. S. T. Semegen. 2,412,475–6; Dec. 10.
Acyl derivatives of vitamin B_6. J. C. Keresztesy and J. R. Stevens. 2,412,272; Dec. 10.
Addressing machine. A. W. Mills, F. J. Furman, and E. J. Rabenda. 2,412,527; Dec. 10.
Adjustable hone. J. J. Palotsee. 2,412,419; Dec. 10.
Aerial mine. R. W. Britton. 2,412,387; Dec. 10.
Aggregate with asphalt emulsions, Coating. P. E. McCoy. 2,412,526; Dec. 10.
Aggregate with bituminous emulsions, Coating. V. E. Watts. 2,412,545; Dec. 10.
Air cooled rotary valve. C. W. Hall. 2,412,260; Dec. 10.
Aircraft landing wheel. J. Kerezi and L. C. Maysilles. 2,412,406; Dec. 10.
Aircraft transport plane. G. W. Peck. 2,412,285; Dec. 10.
Airplane cabin heating system. A. F. Hoesel. 2,412,334; Dec. 10.
Air-speed responsive device. K. W. Olson. 2,412,471; Dec. 10.
Altimeter. P. F. Shivers. 2,412,541; Dec. 10.
Amines, Preparation of aliphatic. J. B. Dickey and J. G. McNally. 2,412,209; Dec. 10.
Amplifier, Mechanical torque. G. L. Borell. 2,412,386; Dec. 10.
Amplifier, Variable gain. D. J. Miller, Jr. 2,412,279; Dec. 10.
Antenna. G. H. Brown and D. W. Peterson. 2,412,249; Dec. 10.
Antenna system. P. S. Carter. 2,412,320; Dec. 10.
Antiperspirant preparation. E. L. Richardson and K. L. Russell. 2,412,535; Dec. 10.
Apparatus for decorticating fibers. C. J. Delegard and R. Kreutz. 2,412,445; Dec. 10.
Apparatus for echo distance measurement. E. E. Turner, Jr. 2,412,234; Dec. 10.
Apparatus for making montage prints. C. Pollak. 2,412,288; Dec. 10.
Apparatus for molding plywood panels. G. E. Kloote. 2,412,274; Dec. 10.
Apparatus for preventing foaming. P. M. Kallusky. 2,412,342; Dec. 10.
Apparatus for pumping and atomizing liquid. W. E. Baker. 2,412,383; Dec. 10.
Apparatus for regulating vehicle speed. J. G. Oetzel. 2,412,228; Dec. 10.
Apparatus for the automatic adjustment of the angle of elevation of guns. F. H. Roberts and J. H. Abbink-Spaink. 2,412,356; Dec. 10.
Apparatus for the molding of plastic articles. A. B. McGinnis. 2,412,411; Dec. 10.
Arm driving mechanism. L. J. Carey. 2,412,319; Dec. 10.
Article feeding apparatus. F. Martindell. 2,412,278; Dec. 10.
Artificial tooth structures, Production of. J. G. Day. 2,412,207; Dec. 10.
Automatic gain control circuit. J. A. Rajchman and E. A. Goldberg. 2,412,423; Dec. 10.
Automatically locked fiberboard shipping box. J. G. Huye. 2,412,402; Dec. 10.
Bacon hanger. S. M. Tominello. 2,412,233; Dec. 10.
Bag manufacture. C. E. Gardner. 2,412,501; Dec. 10.
Balanced pressure switch. R. L. Williams. 2,412,377; Dec. 10.
Barrack, Dismountable. E. Beaud. 2,412,242; Dec. 10.
Be-Cu alloys, Working and treating. M. J. Donachie. 2,412,447; Dec. 10.
Board: *See*—
  Impregnated composite — Production control board.
  board.
Boat hulls, Making. L. P. Hall, Jr. 2,412,455; Dec. 10.
Bobbin winder for sewing machines. S. J. Hamlett, Jr. 2,412,456; Dec. 10.
Bomb displacing gear. J. G. Lee. 2,412,460; Dec. 10.
Bomb protective band. J. T. Parsons and A. V. Brogren. 2,412,420; Dec. 10.
Box: *See*—
  Automatically locked fiber- — Display box.
  board shipping box.
Brake. B. E. House. 2,412,335; Dec. 10.
Brake arrangement. C. E. Tack and N. Flesch. 2,412,431; Dec. 10.
Bromine and iodine from natural brines, Recovery of. J. Cranston. 2,412,390; Dec. 10.
Bubble leveling device for training apparatus. G. F. Daly and B. H. Phillips. 2,412,495; Dec. 10.
Car roof structure. A. F. O'Connor. 2,412,283; Dec. 10.
Carton forming and filling machine. E. S. Tascher and W. Bazant. 2,412,370; Dec. 10.
Carton forming machine. E. S. Tascher. 2,412,369; Dec. 10.
Cathode ray sweep circuit. J. O. and W. A. Edson and J. B. Maggio. 2,412,210; Dec. 10.
Cellulose acetate dyed with monoazo dyes. C. S. Argyle. 2,412,312; Dec. 10.
Chain link construction. B. E. Sivyer. 2,412,364; Dec. 10.
Chair construction. T. W. Foote. 2,412,451; Dec. 10.
Chromite with fluoride, Froth flotation of. R. Havens. 2,412,217; Dec. 10.
Chute, Package delivery. E. S. Tascher. 2,412,368; Dec. 10.
Cigarette and safety match holder. M. Mayer. 2,412,464; Dec. 10.
Circuit: *See*—
  Automatic gain control circuit. — Cathode ray sweep circuit.
Circuit breaker locking device. W. M. Scott, Jr. 2,412,294; Dec. 10.
Circuit breaker mounting and connecting stud. H. C. Graves, Jr. 2,412,259; Dec. 10.
Circuits, Discriminator-rectifier. B. S. Vilkomerson. 2,412,482; Dec. 10.
Circular knitting machine. H. H. Holmes and A. P. Saunders. 2,412,267; Dec. 10.
Clamp. F. E. Mahusky. 2,412,225; Dec. 10.
Cleaner: *See*—
  Pipe cleaner.
Clutch: *See*—
  Engaging and disengaging — Fluid operated clutch.
  mercury clutch.
Coated metal container. J. C. Morrell. 2,412,528; Dec. 10.
Compacting machine. R. Harsch. 2,412,398; Dec. 10.
Composition and process, Defoaming. R. H. Larsen. 2,412,276; Dec. 10.
Compositions of matter and steps of making and using the same. M. T. Harvey. 2,412,264; Dec. 10.
Compressor capacity control, Modulating. K. M. Gerteis. 2,412,503; Dec. 10.
Computing apparatus. R. A. Nelson. 2,412,416; Dec. 10.
Container: *See*—
  Coated metal container.
  Reusable collapsible liquid carrying container.
Container. T. Hansen. 2,412,332; Dec. 10.
Control apparatus. H. E. Hartig. 2,412,263; Dec. 10.
Control device. M. Hilmer, G. J. Signarovitz, and T. N. Adlam. 2,412,218; Dec. 10.
Control device, Buoyancy. M. G. Leonard. 2,412,223; Dec. 10.
Control device for camera diaphragms, Photoelectric. K. Rath. 2,412,424; Dec. 10.
Control for electric catapults. R. C. and M. F. Jones. 2,412,515; Dec. 10.
Control mechanism. S. T. Jeffreys. 2,412,339; Dec. 10.
Control mechanism for hoisting equipment. G. Meili. 2,412,412; Dec. 10.
Control mechanism for magnetic recording devices, Safety drive, braking, and. M. Camras. 2,412,318; Dec. 10.
Controlling device for envelope moistening devices, Liquid level. C. D. Ryan. 2,412,538; Dec. 10.
Costume, Skating. E. Abrahamson. 2,412,241; Dec. 10.
Coupling: *See*—
  Pipe coupling.
Cover. W. Halpern, K. Weiner, and R. Krochmal. 2,412,262; Dec. 10.
Crossbar switch mechanism. C. Gillings and L. J. Murray. 2,412,257; Dec. 10.
Cutter for ring grooving cutter heads. A. B. Taylor. 2,412,433; Dec. 10.
Cutting tool. R. M. Maslin. 2,412,525; Dec. 10.
Dampener, Machine tool vibration. H. Ernst, D. A. Grieb, and M. Field. 2,412,499; Dec. 10.
Damping arrangement for vehicle suspension systems. J. A. Petrie. 2,412,533; Dec. 10.
Decorative illuminated device. A. Abramson. 2,412,379; Dec. 10.
Deflection circuits. L. C. Smith. 2,412,542; Dec. 10.
Dehydrator with removable trays. P. D. Kilbury. 2,412,407; Dec. 10.
Device facilitating walking on mud. H. Scott-Paine and A. G. W. Hall. 2,412,474; Dec. 10.
Display box. R. E. Fink. 2,412,450; Dec. 10.

Doffing and donning apparatus. J. H. Daughdrill and R. F. Jessen. 2,412,444; Dec. 10.
Door opening and closing device. T. Madland. 2,412,346; Dec. 10.
Drawing frame structure. E. B. Robinson. 2,412,357; Dec. 10.
Driller. W. H. Eichelman. 2,412,211; Dec. 10.
Drive for Axminster looms, Pull-over shaft. V. F. Sepavich. 2,412,477; Dec. 10.
Drive for wire spooling devices, Planetary. C. O. Bruestle. 2,412,440; Dec. 10.
Drying line and self locking reel therefor. A. D. Hanna. 2,412,396; Dec. 10.
Dynamic and static balancing machine. E. L. Schnoebelen. 2,412,473; Dec. 10.
Electric catapult control. R. C. Jones. 2,412,514; Dec. 10.
Electric control device. M. F. and R. C. Jones. 2,412,513; Dec. 10.
Electric switch. T. M. Cole. 2,412,494; Dec. 10.
Elecrical coil-winding machine. J. W. Miller. 2,412,280; Dec. 10.
Electrical differentiator. H. G. Och and K. D. Swartzel, Jr. 2,412,227; Dec. 10.
Electrical resistance elements durable at high temperatures and proof against chemical action and making same. A. R. Wejnarth. 2,412,373–4,5,6; Dec. 10.
Electrical switch. H. S. Beattie and W. K. David. 2,412,384; Dec. 10.
Electrically propelled car construction. M. F. Jones. 2,412,511; Dec. 10.
Electrolytic devices, Making. J. B. Brennan. 2,412,201; Dec. 10.
Electromagnet. M. Staley. 2,412,304; Dec. 10.
Electromagnetic relay. R. B. King and R. L. Huffman. 2,412,273; Dec. 10.
Electron discharge device. O. H. Schade. 2,412,291; Dec. 10.
Electronic computer. G. A. Morton. 2,412,467; Dec. 10.
Electronic tube testing apparatus. E. H. Sharkey. 2,412,231; Dec. 10.
Engaging and disengaging mercury clutch. H. J. Zimmermann. 2,412,378; Dec. 10.
Engine: *See*—
Internal-combustion engine.
Engine cylinders and manifolds, Assembly of. W. A. Ledwith. 2,412,344; Dec. 10.
Engine primer. A. L. Parker and J. F. Melichar. 2,412,532; Dec. 10.
Erythrina alkaloids, Production of. K. Folkers and R. T. Major. 2,412,336; Dec. 10.
Ethyl halides, Preparation of. D. C. Bond and M. Savoy. 2,412,550; Dec. 10.
Feeder system for linear motors. M. F. Jones and L. A. Kilgore. 2,412,512; Dec. 10.
Fibers, Blending. O. W. Greene, R. W. Twitty, and T. L. Richie. 2,412,506; Dec. 10.
Field switch. W. H. Schymik. 2,412,293; Dec. 10.
Filing equipment. B. Hunter. 2,412,219; Dec. 10.
Film feeding device. V. E. Pratt and G. F. Gray. 2,412,551; Dec. 10.
Fire control data, Computing. R. E. Crooke. 2,412,443; Dec. 10.
Fire extinguisher. E. F. Angell. 2,412,491; Dec. 10.
Fixture, Milling. L. Hain. 2,412,454; Dec. 10.
Fixture, Tool guiding. R. C. Kivley. 2,412,458; Dec. 10.
Fixture, Tool guiding. J. S. Stull. 2,412,459; Dec. 10.
Flame hardening apparatus. A. L. Hartley. 2,412,333; Dec. 10.
Flashlight, Pocket. R. H. Battersby and J. C. Prior. 2,412,313; Dec. 10.
Flexible tube pump. L. E. Harper. 2,412,397; Dec. 10.
Float, Fishing. L. M. Henricks. 2,412,399; Dec 10.
Fluid control valve. L. C. Biggle. 2,412,490; Dec. 10.
Fluid operated clutch. H. H. Vanderzee. 2,412,436; Dec. 10.
Fluorine-containing, hydrocarbon mixtures, Treatment of. G. A. Ibach and C. C. Tate. 2,412,220; Dec. 10.
Flush tank control. L. B. Green. 2,412,452; Dec. 10.
Food product. W. E. Stokes and M. H. Kennedy. 2,412,305; Dec. 10.
Form for tying neckties. F. K. Stehle. 2,412,480; Dec. 10.
Foundry sand lifting and flask-filling apparatus. H. H. Rawson. 2,412,425; Dec. 10.
Fowl, Plucking. L. Jasper. 2,412,338; Dec. 10.
Friction-actuated erecting mechanism. T. O. Summers, Jr. 2,412,481; Dec. 10.
Fuel feeding apparatus. A. O. Anderson. 2,412,193; Dec. 10.
Fuel injection system. J. F. Campbell. 2,412,316; Dec. 10.
Fuel introduction to engine cylinders, Control of. H. Schreck. 2,412,361; Dec. 10.
Fuel receiving and conveying apparatus. E. Martin. 2,412,408; Dec. 10.
Furnace: *See*—
Stationary flash calcining furnace.
Garment. B. P. Garrison. 2,412,502; Dec. 10.
Garment. M. I. Lehman. 2,412,522; Dec. 10.
Garment hanger. C. S., E. C., and E. T. Bjorklund. 2,412,245; Dec. 10.
Gas-air inspirator. H. O. Mercier. 2,412,348; Dec. 10.
Gasoline, Manufacture of. J. W. Teter. 2,412,371; Dec. 10.
Gauge: *See*—
Spot gauge.
Gauging device. W. F. Aller. 2,412,380; Dec. 10.
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Gauging device. L. F. Polk and W. F. Aller. 2,412,421; Dec. 10.
Gear: *See*—
Bomb displacing gear.
Generator: *See*—
Saw-tooth voltage generator.
Getter. P. L. Spencer. 2,412,302; Dec. 10.
Glass machinery, Apparatus for and method of spraying. W. T. Honiss. 2,412,268; Dec. 10.
Grinding. S. E. A. Thomte. 2,412,435; Dec. 10.
Gun, Automatic nut. J. Klopovic. 2,412,275; Dec. 10.
Gun carriage. T. H. Sullivan. 2,412,367; Dec. 10.
Gyroscope. C. S. Grimshaw. 2,412,453; Dec. 10.
Halogenated organic compounds. O. W. Cass. 2,412,389; Dec. 10.
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Bacon hanger. Garment hanger.
Harness, Engine lifting. H. O. Austin. 2,412,488; Dec. 10.
Hectograph mass. R. D. Blum, Jr. 2,412,200; Dec. 10.
High-frequency apparatus. T. J. Boerner and J. W. Sanborn. 2,412,314; Dec. 10.
Holder: *See*—
Cigarette and safety match holder. Nursing bottle holder.
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Holder for labels, tags, and the like. W. Kahn. 2,412,405; Dec. 10.
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Hydraulic damping device. C. C. S. LeClair. 2,412,277; Dec. 10.
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Hydrocarbon oils, Refining of low-grade. E. H. Records. 2,412,427; Dec. 10.
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Hydrophilic material and product, Treatment of. R. C. Nelson. 2,412,282; Dec. 10.
Ignition unit, Emergency. A. V. Sellaro. 2,412,540; Dec. 10.
Impregnated composite board. B. M. Randall. 2,412,534; Dec. 10.
Indicator system, Registration. J. A. Kavanagh. 2,412,516; Dec. 10.
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Insulated electrode holder. M. Wells. 2,412,309; Dec. 10.
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Lock nut and assembling same. E. W. Martin. 2,412,409; Dec. 10.
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Mounting for coolant tubes. A. Kalitinsky. 2,412,341; Dec. 10.

Nail. K. Klein. 2,412,517; Dec. 10.
Needle threading instrument. E. D. Gorka and M. B. Gideon. 2,412,505; Dec. 10.
Net, Machine-made. A. E. Hunter and S. F. Topott. 2,412,336; Dec. 10.
Nitriles, Production of unsaturated. C. R. Wagner. 2,412,437; Dec. 10.
Nose pump. Q. Hor. 2,412,269; Dec. 10.
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Nursing bottle holder. M. Rayko. 2,412,426; Dec. 10.
Oil, Purification of. B. Clayton. 2,412,251; Dec. 10.
Oscillator, Mechanically tuned. F. Rieber. 2,412,536; Dec. 10.
Oven without sole channels, Underfired regenerative coke. F. Wethly. 2,412,484; Dec. 10.
Packaging. H. F. Waters. 2,412,546; Dec. 10.
Panel, Wall. M. I. Diggs. 2,412,253; Dec. 10.
Paperboard package with liquid-tight liner and making same, Crushproof reinforced. H. F. Waters. 2,412,547; Dec. 10.
Parachute. W. S. Finken. 2,412,392; Dec. 10.
Pencil, Mechanical. H. S. Hasselquist. 2,412,265; Dec. 10.
Perspective drawing device. G. D. Andersen, C. L. Spencer, and J. L. Hansen. 2,412,194; Dec. 10.
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Photographic control means. W. M. Schneider. 2,412,292; Dec. 10.
Photographic masking easel. D. G. Hunter. 2,412,507; Dec. 10.
Picker, Corn. A. L. Roe. 2,412,358; Dec. 10.
Piezo-crystal holder. H. M. Bach. 2,412,438; Dec. 10.
Piling, Producing. C. Weber. 2,412,239; Dec. 10.
Pipe cleaner. Bruno L. Pape. 2,412,531; Dec. 10.
Pipe coupling. D. L. Giles. 2,412,394; Dec. 10.
Pipe flange, Thermoplastic. O. B. Amley and J. B. Gregory. 2,412,487; Dec. 10.
Planer. P. S. Jackson. 2,412,337; Dec. 10.
Plastics, Proteinous. G. E. Ellerman. 2,412,327; Dec. 10.
Pontoon metering valve and combination. J. A. Cook. 2,412,205; Dec. 10.
Power control. C. F. Schorn. 2,412,360; Dec. 10.
Power lift mechanism. W. H. Silver. 2,412,362; Dec. 10.
Power unit for reeling cable or wire. H. M. Jensen. 2,412,508; Dec. 10.
Press: *See*—
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Pressure fluid follow-up motor. A. Spencer and J. H. Abbink-Spaink. 2,412,366; Dec. 10.
Printer, Postage. C. D. Ryan, F. P. Sager and E. R. Bergmark. 2,412,472; Dec. 10.
Printing apparatus. J. B. Cotner. 2,412,252; Dec. 10.
Production control board. F. L. Wassell. 2,412,238; Dec. 10.
Projection apparatus for the creation of illusory effects. R. B. Johnson. 2,412,340; Dec. 10.
Projection picture feeding mechanism. M. E. Blumenstein. 2,412,246; Dec. 10.
Pump having by-pass with speed-sensitive and pressure-responsive control. C. A. Pugh and D. G. Booth. 2,412,289; Dec. 10.
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Rack for silverware chests, Knife. L. Maxim. 2,412,410; Dec. 10.
Radio system, Directive. E. Bruce. 2,412,202; Dec. 10.
Radio transmitter-receiver automatic switching system. G. H. Brown. 2,412,315; Dec. 10.
Rail leveling device. J. W. McDaniel. 2,412,463; Dec. 10.
Reaction propelled device. R. W. Hoagland. 2,412,266; Dec. 10.
Receptacle and cover therefor. J. H. Devine and W. T. Halvorsen. 2,412,325; Dec. 10.
Recording and computing machine. E. O. Roggenstein. 2,412,537; Dec. 10.
Recording apparatus. E. J. Rabenda. 2,412,422; Dec. 10.
Reflectometer correction network. S. P. Ghosh. 2,412,393; Dec. 10.
Reflector, Color selective. G. L. Dimmick. 2,412,496; Dec. 10.
Regulator system. F. E. Crever and L. C. Calder. 2,412,442; Dec. 10.
Resistor construction. J. Marsten. 2,412,462; Dec. 10.
Reusable collapsible liquid carrying and dispensing, Container. H. F. Waters. 2,412,544; Dec. 10.
Rod guide, Adjustable. R. P. Engman. 2,412,498; Dec. 10.
Roofing construction. O. Holm-Hansen. 2,412,401; Dec. 10.
Rotary valve. C. W. Hall. 2,412,261; Dec. 10.
Rotary valve and lubricating mechanism therefor. J. P. Dunne. 2,412,448; Dec. 10.
Rotor, Brake. C. E. Tack. 2,412,432; Dec. 10.
Rubber and preparing same, Solvent- and freeze-resistant synthetic. A. H. Gleason. 2,412,214; Dec. 10.
Rubberlike composition. M. T. Harvey. 2,412,216; Dec. 10.
Safety valve mechanism. T. F. Van Denberg and J. Selby. 2,412,235; Dec. 10.
Saw-tooth voltage generator. J. W. Whiteley. 2,412,485; Dec. 10.
Seals of crystal holders, Testing the. W. B. R. Agnew. 2,412,192; Dec. 10.
Sensitive switch control apparatus. C. J. Crane. 2,412,206; Dec. 10.
Shoemaking. E. L. Beckwith and R. B. Harrison. 2,412,385; Dec. 10.
Shoemaking. K. Engel. 2,412,449; Dec. 10.
Shoemaking. B. F. Lee. 2,412,521; Dec. 10.
Shoe sole construction. M. Margolin. 2,412,226; Dec. 10.
Shovel, Tractor. M. L. Conrad. 2,412,323; Dec. 10.
Signal recording system. C. J. Young. 2,412,310; Dec. 10.
Skate, Roller. O. G. Rieske. 2,412,290; Dec. 10.
Slip. L. Novy. 2,412,530; Dec. 10.
Snap-on valve. S. W. Glanz and A. H. Tidd. 2,412,330; Dec. 10.
Solar still with capillary feed, Inflatable floating. W. H. Miller, Jr. 2,412,466; Dec. 10.
Spacer, Reinforcing. R. Tatsch. 2,412,307; Dec. 10.
Spectrometry, Mass. H. W. Washburn. 2,412,236; Dec. 10.
Spectrometry, Mass. H. W. Washburn and D. D. Taylor. 2,412,237; Dec. 10.
Speed governor switch. P. L. Mardis. 2,412,347; Dec. 10.
Spinner. C. H. Kuhn. 2,412,519; Dec. 10.
Spot gauge. H. Bieg. 2,412,489; Dec. 10.
Starch esters, Producing. M. G. Groen. 2,412,213; Dec. 10.
Stationary flash calcining furnace. H. V. Pedersen. 2,412,286; Dec. 10.
Steering device for aircraft or other vessels. W. G. Wilson. 2,412,486; Dec. 10.
Stop for strand covering machines. H. L. Crum. 2,412,324; Dec. 10.
Strainer. A. Hock. 2,412,400; Dec. 10.
Stranded cables, Method and apparatus for producing. R. P. Ashbaugh and A. G. Hall. 2,412,196; Dec. 10.
Strike plate or door latch keeper. R. P. Edwards. 2,412,497; Dec. 10.
Striping flexible strip material. E. L. Slingluff and D. R. Schen. 2,412,429; Dec. 10.
Styrene and other monomers used in polymerization processes, Treating. G. Goldfinger. 2,412,504; Dec. 10.
Sulphide ores, Froth flotation of. A. H. Fischer. 2,412,500; Dec. 10.
Sunken vessels, Raising. W. L. Newell. 2,412,417; Dec. 10.
Superheterodyne receiver. H. J. Benner. 2,412,244; Dec. 10.
Support: *See*—
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Support for artificial teeth, Temporary. S. Myerson. 2,412,352; Dec. 10.
Surface grinding machine. J. S. Blood. 2,412,199; Dec. 10.
Switch: *See*—
Balanced pressure switch. Field switch.
Electric switch. Speed governor switch.
Electrical switch.
Synchronous motor. J. R. MacIntyre. 2,412,461; Dec. 10.
Synthesis of ethers of vitamin A. N. A. Milas. 2,412,465; Dec. 10.
Synthetic threads, Method and apparatus for manufacture of. A. L. Jackson and J. K. Whisnant. 2,412,403; Dec. 10.
Tampon. J. R. Crockford. 2,412,391; Dec. 10.
Tanks, Making. A. J. Kercher. 2,412,271; Dec. 10.
Tape perforator, Random code. J. A. Spencer. 2,412,301; Dec. 10.
Telegraph switching system. W. M. Bacon. 2,412,198; Dec. 10.
Telegraph tape reperforator. J. A. Spencer. 2,412,300; Dec. 10.
Telephone or like system. C. Gillings and L. J. Murray. 2,412,258; Dec. 10.
Television projector tube. D. B. Langmuir and J. S. Donal, Jr. 2,412,520; Dec. 10.
Test for tire cord, Fatigue. G. D. Mallory. 2,412,524; Dec. 10.
Thermal protective device. A. R. van C. Warrington. 2,412,483; Dec. 10.
Thread inspection device. W. M. Ailing. 2,412,381; Dec. 10.
Timepiece setting mechanism. E. F. Carlstrom. 2,412,493; Dec. 10.
Titanium tetrachloride, Purification of. B. C. Meyers. 2,412,349; Dec. 10.
Tool: *See*—
Cutting tool.
Tools, Controlling means for fluid operated machine. A. H. Orcutt. 2,412,284; Dec. 10.
Torch beveling apparatus. C. Mott and G. V. Wallace, Jr. 2,412,281; Dec. 10.

Torque exerting means. L. F. Carter and F. West, Jr. 2,412,204; Dec. 10.
Torsiograph. T. S. Wilson and R. Zdanowich. 2,412,548; Dec. 10.
Toy. One piece third dimension cut out. H. M. and H. F. Chu. 2,412,321; Dec. 10.
Transformer, Voltage. N. E. Lindenblad. 2,412,345; Dec. 10.
Transmission. D. S. Dence. 2,412,208; Dec. 10.
Transmission. M. W. Green. 2,412,331; Dec. 10.
Transmitter, Variable speed. D. L. Mount. 2,412,351; Dec. 10.
Trap. B. F. Krelwitz. 2,412,518; Dec. 10.
Trestle. H. W. Goosmann. 2,412,395; Dec. 10.
Triethylene glycol diheptoate. L. Nicholl and W. P. Bitler. 2,412,469; Dec. 10.
Trolley conductor duct and collector, Electric. W. C. Anderson and G. J. Naber. 2,412,382; Dec. 10.
Trussed brake beam and/or brake head. C. R. Busch. 2,412,388; Dec. 10.
Tube: *See*—
Television projector tube.
Tweezers. G. M. Ferguson. 2,412,255; Dec. 10.
Ultra high frequency system. K. C. DeWalt. 2,412,446; Dec. 10.
Umbrella and cape, Combination. H. Navon. 2,412,415; Dec. 10.
Unloading double check valve. E. A. Rockwell and J. M. Roth. 2,412,428; Dec. 10.
Unwinding machine. R. McC. Johnstone. 2,412,509; Dec. 10.
Valve: *See*—
Air cooled rotary valve.
Fluid control valve.
Quick-action valve.
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Valve. B. G. Sutton. 2,412,232; Dec. 10.
Valve actuating mechanism. L. D. Harrison. 2,412,457; Dec. 10.
Valve actuating mechanism. A. Mueller. 2,412,529; Dec. 10.
Valve for steam engines, Steam actuated pilot controlled distribution. J. Sim. 2,412,478; Dec. 10.
Valve for torpedo exercise head, Exhaust. M. G. Leonard. 2,412,224; Dec. 10.
Vaporizing device. C. F. J. Dupuy. 2,412,326; Dec. 10.
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Vegetable washer. A. G. Sueliflow. 2,412,430; Dec. 10.
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Vessel, Pressure. A. T. Thompson. 2,412,434; Dec. 10.
Vibratable objects, Testing for imperfections in. F. W. Williams and J. Clark. 2,412,240; Dec. 10.
Vibrato producing means for musical instruments. E. F. Gerlat. 2,412,212; Dec. 10.
Vinyl chloride, Production of. J. F. Weller. 2,412,308; Dec. 10.
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Washer: *See*—
Vegetable washer.
Washing apparatus. W. A. Johnston. 2,412,270; Dec. 10.
Water comprising the steps of passing a variable flow of relatively alkaline water upwardly through a bed of organic hydrogen-zeolite and augmenting said flow by hydrogen-zeolite treated water, Method and apparatus for treating. J. J. Felsecker. 2,412,328; Dec. 10.
Water-repellent materials, Production of. F. J. Norton. 2,412,470; Dec. 10.
Wear test machine. D. H. Kallas, A. W. Cizek, Jr., and H. Nestlen. 2,412,221; Dec. 10.
Weaving apparatus. S. P. Parker. 2,412,353; Dec. 10.
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Wheel: *See*—
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Wooden articles of circular cross section and varying diameter and the resulting article. C. B. Lundstrom. 2,412,523; Dec. 10.
Zinc article and making same, Coated. R. R. Tanner. 2,412,543; Dec. 10.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 10, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

D 3— 4: Des. 146,021
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D80— 8: Des. 146,056
D81—21: Des. 146,022
D86—10: Des. 146,058
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THE

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Trade-Marks	164	No. 426,074	to No. 426,237	inclusive.
T. M. Renewals	104			
Reissues	4	No. 22,818	to No. 22,821	inclusive.
Patents	385	No. 2,412,552	to No. 2,412,936	inclusive.
Designs	32	No. 146,064	to No. 146,095	inclusive.
Total	689			

Disclaimers

1,865,089.—*Edgar H. Dix, Jr.*, Oakmont, Pa. CORROSION-RESISTANT ALUMINUM ALLOY ARTICLES AND METHOD OF MAKING THE SAME. Patent dated June 28, 1932. Disclaimer filed Nov. 14, 1946, by the assignee, *Aluminum Company of America.*

Hereby disclaims from claims 12, 13, 14, 15, 16, 17, and 18 of the patent, any corrosion-resistant aluminous metallic article wherein the initial coherence between the coating therein referred to and the body therein referred to has not been obtained by casting said body against said coating.

2,336,291.—*Irvine L. Phillips*, Long Beach, Calif. METHOD OF PACKING PERISHABLES AND PACKAGE. Patent dated Dec. 7, 1943. Disclaimer filed Nov. 15, 1946, by the assignee, *Seal-Pack Corporation.*

Hereby enters this disclaimer to claims 1, 4, and 5 of the patent.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,359,123, H. C. Krapf, Control system, decided Nov. 18, 1946, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11.

Pat. 2,363,687, P. T. Paul, Antioxidants, decided Nov. 15, 1946, claim 8.

Pat. 2,376,070, F. J. Metzger, Continuous production of aldol, decided Nov. 18, 1946, claims 1, 2, 3, 4, 5, 6, and 7.

Pat. 2,382,945, W. L. Trafton, Fastener device for electrical conductors, decided Nov. 19, 1946, claims 1, 2, 3, 4, 5, 6, 7, 8, and 9.

Pat. 2,392,244, D. B. Hooser, Well tool, decided Nov. 21, 1946, claim 6.

Notice of Tentative Recordation of Trade Name

[T. D. 51573]

Tentative recordation of trade name under section 27, Trade-Mark Act of February 20, 1905, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Nov. 25, 1946

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 27, Trade-Mark Act of February 20, 1905, and section 11.16, Customs Regulations of 1943:

"Morris Bootmakers," owned by a partnership consisting of Abraham Morris, Benjamin Morris, Emanuel Morris, and Melvin Morris, of Beverly Hills, Calif., which is applied to shoes of all types, quality and design for both male and female persons, the merchandise being manufactured in the United States.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after December 12, 1946. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Acting Commissioner of Customs.

Condition of Applications Under Examination at Close of Business November 22, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 131,347; Trade-Mark Division, 11,460. Oldest new case, April 12, 1945; oldest amended, April 27, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	June 4	Aug. 1	2594
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	July 19	Aug. 25	3073
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 19	July 4	1987
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Aug. 24	2475
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 10	3715
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 27	Nov. 24	1796
7. HANLIN, GEORGE, Optics, Photography	Nov. 10	Dec. 20	1921
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Aug. 11	Sept. 6	3263
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	June 1	June 5	2160
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Sept. 18	Sept. 13	1448
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Feb. 21	†Mar. 9	732
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 13	July 16	2628
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	June 28	2091
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 15	Sept. 24	1498
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Nov. 25	Oct. 20	1158
16. LOVEWELL, N. N., Telegraphy; Telephony	Nov. 14	Nov. 7	1232
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 11	May 21	1146
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 22	July 6	1866
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 20	Oct. 26	1667
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	July 9	July 27	1985
21. THOMPSON, T. J., Textiles	†Mar. 1	†Mar. 7	778
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 27	1947
23. LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 19	Aug. 23	216
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Mar. 8	†Mar. 18	1166
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 7	Sept. 12	1452
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 13	Aug. 1	1902
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 17	July 4	2014
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	June 6	June 5	1526
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	Aug. 21	July 24	2221
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Aug. 29	Aug. 2	2286
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	May 4	May 3	834
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Oct. 3	Oct. 3	2133
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Aug. 22	Aug. 4	3005
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Sept. 7	Sept. 28	1242
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 19	Oct. 4	1981
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1672
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 3	Oct. 9	1308
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Oct. 11	Oct. 19	1346
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	June 6	June 11	2423
40. DRUMMOND, E. J., Receptacles (part); Packages	Sept. 7	Oct. 3	2567
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Sept. 26	Sept. 4	800
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 23	Nov. 8	975
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 7	Aug. 21	1151
44. HARVEY, L. P., Refrigeration; Preserving	May 19	June 22	1209
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 2	Sept. 4	2479
46. MUSHAKE, V. L., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 8	Oct. 8	1510
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 27	Oct. 22	2705
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	May 29	May 30	1935
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Sept. 1	Sept. 4	1553
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 19	Nov. 19	2247
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Aug. 1	Aug. 4	2226
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Aug. 20	Sept. 10	3022
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 26	3518
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 23	July 19	2106
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Sept. 15	1709
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 2	Sept. 24	1368
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Apr. 21	June 20	2890
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Jan. 19	†Jan. 25	1347
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 23	June 29	2043
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 25	Oct. 16	1775
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	July 10	July 27	2550
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	May 19	Apr. 27	3650
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 10	Aug. 18	1950
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Apr. 25	Apr. 23	1034
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Aug. 1	July 31	2269
Trade-Marks: RICHMOND, F. A	†Jan. 17	†June 12	11,460
Designs: KALUPY, H. H	Dec. 29	†Aug. 12	6872

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MULHOLLAND

No. 5,165. Decided June 27, 1946

[156 F.(2d) 248; 70 USPQ 409]

1. PATENTABILITY—ANALOGOUS ARTS.
The polishing of metal sheets and the roughening of sheets of cloth or paper *Held* to be analogous arts.

2. APPEAL—RECORD.
Where appellant's earlier application was not included in the record, *Held* that it could not be considered.

3. PATENTABILITY—ROUGHENING MACHINE.
Claims to a machine for roughening the surface of a sheet of fibrous material such as cloth or paper *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Ernest F. Mechlin (*Messrs. Ritter, Mechlin & Muir* of counsel) for Mulholland.

Mr. W. W. Cochran (*Mr. H. S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 1 to 7, inclusive) in appellant's application for a patent for an alleged invention relating to improvements in a machine for roughening the surface of a sheet of fibrous material such as cloth or paper.

Claim 4 is sufficiently illustrative of the appealed claims. It reads:

4. A machine for imparting a roughened appearance to the surface of non-metallic fibrous materials comprising an abrasive roll having its peripheral portion provided with abrasive grains bonded in inorganic material, a pivoted beam, a back-up roll journaled on said beam adapted to press the fibrous material against the abrasive roll, means for equally spacing the surfaces of said rolls at all corresponding points along the periphery thereof, fluid pressure means cooperable with the beam for inducing pivotal movement thereof to cause the back-up roll to move toward the abrasive roll and thus press the fibrous material against the latter, an adjustable stop limiting movement of the back-up roll toward the abrasive roll, said fluid pressure means controlling the pressure exerted on the fibrous material by said rolls and being adapted to subject the fibrous material to uniform pressure independent of the position the back-up roll occupies with respect to the abrasive material, means on one side of said rolls for feeding said fibrous material to the space between said rolls, means on the opposite side of said rolls for windingly receiving said material, and means interposed between said feeding means and said rolls for spreading the material prior to the operation thereon by said abrasive roll.

The references of record are: Mulholland, 2,187,462, Jan. 16, 1940; Curtin, 2,253,558, Aug. 26, 1941.

The machine disclosed by appellant's application and defined in the appealed claims comprises a so-called "back-up roll," over which a sheet of fibrous material passes, and an "abrasive roll" which roughens the surface of the sheet as it passes over the back-up roll. The back-up roll is mounted on a pivoted frame and as the frame is urged upwardly by diaphragms which are acted on by fluid under pressure, the back-up roll forces the sheet of fibrous material against the abrasive roll, the sheet thus being gripped between the two rolls. The fluid pressure is kept constant. Accordingly, the pressure which the rolls exert on the sheet remains the same regardless of variations in the thickness of the sheet. Adjustable stops are provided which normally limit the movement of the back-up roll and prevent it from moving into contact with the abrasive roll in the event the sheet breaks or is otherwise pulled out from between the rolls. Should the back-up roll become roughened, the stops may be rendered inoperative so that the abrasive roll may be used to smooth the surface of the back-up roll.

In the operation of appellant's machine, the fibrous material to be roughened is unwound from a supply drum and passed over a spreader roll which serves to remove wrinkles or creases therefrom. From the spreader roll, the material passes between the abrasive roll and the back-up roll where it is roughened and the roughened material is wound on another drum or roller for storage or shipment.

The Board of Appeals held that the appealed claims were unpatentable over the disclosure in the patent to Mulholland in view of the disclosure in the patent to Curtin.

The Mulholland patent was issued to appellant on January 16, 1940, more than three years prior to the filing of his involved application.

The patent to Mulholland relates to a machine for polishing metal sheets, and discloses an apparatus in which the sheets are passed between an "abrasive" or "polishing roll" and a "back-up roll" similar to those of the present application. The back-up roll is mounted on a pivoted frame and is urged toward the abrasive roll by fluid pressure actuated means. Adjustable stops are also provided to prevent the actual engagement of the rolls.

The patent to Curtin relates to a machine for roughening cloth, and discloses an "abrasive drum" or roll and a "pressure roller" or back-up roll between which the cloth passes, the back-up roll being yieldingly urged by springs toward the abrasive roll. The cloth to be roughened is unwound from a supply roll and passed over a spreader plate which smooths it before it passes between the abrasive and back-up rolls. After leaving those rolls, it is folded and piled on a truck.

The Board of Appeals was of opinion that, in view of Curtin's disclosure of the use of an assembly of abrasive and back-up rolls similar to those of the Mulholland patent for the roughening of cloth, there would be no invention in using the specific assembly shown by the Mulholland patent for the same purpose, and in adjusting the pressure on the rolls and providing sheet feeding and delivery means such as are shown by Curtin.

[1] Counsel for appellant argue that the polishing of metal sheets and the roughening of sheets of cloth or paper are nonanalogous arts.

We are not in accord with that contention of counsel. The basic problem in each case is the same, namely, the feeding of a sheet of material against an abrasive roll and the proper supporting of the material while the roll acts on it. The degree of pressure and the speed of the rolls would naturally be adapted to the character of the material being operated on. We are unable to hold, therefore, that the machine disclosed in the patent to Mulholland and the machine defined by the appealed claims are in nonanalogous arts.

In their brief, counsel for appellant stress the limitation in the claims "means for equally spacing the surfaces of said rolls [abrading and back-up rolls] at all corresponding points along the periphery thereof," and allege that the abrasive and back-up rolls of the Mulholland patent can never contact each other for grinding the back-up roll, because the adjustable stops of the patented device cannot be removed as can those of the device disclosed in appellant's involved application.

None of the appealed claims states that the stops can be removed or that the abrasive and back-up rolls are to be brought into contact with each other. The means for spacing the rolls in appellant's patent are substantially the same as those in the involved application, namely, the pivoted frame on which the back-up roll is mounted, the fluid pressure responsive means which act on that frame, and the adjustable stops which limit the movement of the frame. Accordingly, as stated by the Board, the appealed claims present no structural distinction over the Mulholland patent in that respect. The method by which the abrasive roll is formed is not, as appears to be suggested in the brief of counsel for appellant, included in the claims on appeal.

We are of opinion that the appealed claims are not patentable over the references of record.

[2] Counsel for appellant further argue that the application here involved is a continuation in part of an early application, filed January 14, 1941, and that, in view of that fact, the Mulholland patent is not a proper reference.

Appellant's earlier application, relied upon by counsel, has not been included in the record before us and, accordingly, cannot be considered. See *In re Edwin H. DeLany*, 18 C. C. P. A. (Patents) 924, 46 F.(2d) 370, 8 USPQ 111, 406 O. G. 566; *In re Britton*, 28 C. C. P. A. (Patents) 726, 115 F.(2d) 249, 47 USPQ 265; 523 O. G. 3; *Vickery* v. *Barnhart*, 28 C. C. P. A. (Patents) 979, 118 F.(2d) 578, 49 USPQ 106, 529 O. G. 245.

In acting on a petition for reconsideration of its original decision, the Board, in addition to holding that the appealed claims were unpatentable over the references of record, apparently held that the allowance of those claims in the involved application would amount to double patenting in view of the claims of the Mulholland patent. However, in view of the conclusion we have reached, it is unnecessary for us to consider the question of double patenting.

[3] For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

APPLEGARTH, JR., v. WILSON

No. 5,136. Decided July 9, 1946

[— F.(2d) —; 70 USPQ 449]

1. INTERFERENCE — REDUCTION TO PRACTICE — TESTS — SUFFICIENCY OF TESTS.

In an interference concerning a resonant stabilizing circuit applied to a blocking tube oscillator, *Held* that "to establish reduction to practice appellant must show that his device was subjected to a test under actual working conditions or the equivalent thereof which demonstrated that the device actually performed the function for which it was designed."

2. SAME—SAME—SAME—SAME.

In sustaining the position of the Board of Interference Examiners that "appellant was obliged to prove that the increased stability of the blocking tube oscillator was the result of using the resonant circuit and to satisfy the requirements of the counts it was not sufficient to show from a theoretical standpoint that any increase in the stability of the blocking tube oscillator which may have been observed could not have resulted from the readjustment of its grid leak resistor," *Held* that the language of the counts demonstrated the necessity of comparative tests to establish actual reduction to practice of the invention so defined.

3. APPEAL—INTERFERENCE—MANIFEST ERROR.

"The issue involved is highly technical in character and under the law the decision of the Board should not be disturbed unless it is manifestly erroneous."

APPEAL from the Patent Office. Affirmed.

Messrs. Howson & Howson (*Mr. Dexter N. Shaw, Mr. Fordyce A. Bothwell,* and *Mr. William A. Smith, Jr.*, of counsel) for Applegarth, Jr.

Mr. Harry C. Page (*Mr. F. W. Crotty* and *Mr. P. E. Henninger* of counsel) for Wilson.

O'CONNELL, *J.*:

This is an appeal by Applegarth, the junior party, from an award of priority of invention to Wilson in a decision of the Board of Interference Examiners of the United States Patent Office. The award included all the counts in issue and was made on the ground that appellant's proofs failed to establish actual reduction to practice prior to Wilson's filing date or that appellant was exercising reasonable diligence during the critical period.

The interference involves appellant's application, Serial No. 452,252, filed July 24, 1942, and appellee's application, Serial No. 262,146, filed March 16, 1939. Appellant took testimony and appellee relied upon the filing date of his application for conception and constructive reduction to practice.

The subject matter of the five counts here involved pertains generally to electrical systems and, as described in appellant's specification, "is particularly adapted for use in a television system, for example in deflecting circuits thereof, and in various types of frequency dividers synchronized by periodically recurrent pulse signals."

Count 4 is illustrative—

4. In an electrical system employing time-spaced pulse signals, means actuated by desired pulses but subject to actuation by undesired pulses, a resonant circuit energized by pulse signal energy to produce a sinusoidal voltage wave having a predetermined frequency relation to the frequency of occurrence of said desired pulses, and means for utilizing said voltage wave to decrease the responsiveness of said first means to the undesired pulses.

Appellant explains in his brief that

The invention in issue, as defined in the five counts * * * relates to stabilizing means (a resonant stabilizing circuit) for certain types of electrical devices. Applegarth's work, in connection with the invention, involved the application of the stabilizing means to blocking tube oscillators employed as frequency dividers in two portable units constructed by him for use in television, the units being nicknamed by the engineers, the "bread-board" and "metal-chassis" generators. * * *

* * * * * * *

Applegarth's purpose in constructing the "bread-board" and "metal-chassis" devices was to provide a portable unit by which the R. M. A. standard signal could be generated or produced. Since the two devices are substantially the same, specific reference to the "bread-board" device will suffice.

The issue here involved is summarized in the following statement by the Board of Interference Examiners:

The evidence clearly establishes that Applegarth built a first experimental "bread-board" device as shown in the circuit diagrams Applegarth Exhibits 2 and 3, and a second "metal-chassis" device as shown in the circuit diagram Applegarth Exhibit 9, each of which was successfully operated as a frequency divider prior to Wilson's filing date. This conclusion is not seriously denied by Wilson; however, it is strenuously urged that the record fails to establish that if improved stability of the device was obtained, it was the result of the resonant stabilizing circuit, which is the essence of the invention involved herein.

Appellant takes the position that he was first to conceive and successfully operate and use the invention defined by the counts and assigns 21 reasons of appeal in each of which he urges that the Board erred in making the award of priority to Wilson. Appellee contends not only that appellant failed to establish reduction to practice but also that "the award of priority in Wilson's favor is supported upon the grounds of abandonment and equitable estoppel."

[1] Appellant is the junior party and has the burden of proving priority of invention by a preponderance of the evidence. Furthermore, to establish reduction to practice appellant must show that his device was subjected to a test under actual working conditions or the equivalent thereof which demonstrated that the device actually performed the function for which it was designed. *Chandler* v. *Mock*, 32 C. C. P. A. (Patents) 1183, 150 F(2d) 563, 66 USPQ 209, 580 O. G. 159; *Lustig* v. *Legat*, 33 C. C. P. A. (Patents) 991, 154 F.(2d) 680, 69 USPQ 345, 589 O. G. 333.

The invention defined by the counts in issue is embodied in the frequency-dividing chain of the "bread-board" device. There is no question that the "bread-board" operated successfully as a frequency divider. The counts of the interference, however, call for a "bread-board" device which may be operated as a frequency divider to decrease the responsiveness of a sinusoidal voltage wave to the undesired pulses produced in a resonant circuit energized by pulse signal energy.

The conventional blocking tube oscillator, according to the record, was not sufficiently stable in its range of operation to produce accurate and reliable time-spaced pulses at a predetermined rate per second. To stabilize that oscillator, Applegarth used a resonant circuit to produce a sinusoidal wave which, he alleges, increased the range of stable operation and thereby discriminated against the undesired pulses. That is the essence of the invention here in issue.

In applying the test to the "bread-board" device Applegarth used a blocking tube oscillator of a conventional design to the grid circuit of which a resonant circuit was added. The resonant circuit was tested by making a comparison between the effectiveness of the resonant circuit when it was operating as such and when it was operated by "shorting" out the resonant circuit to render it ineffective. The operation of the oscillator of the resonant circuit was observed by Applegarth by means of an oscilloscope.

In making the comparison of the relative ranges of stable operation of the blocking tube oscillator with and without the resonant circuit, Applegarth measured the performance in each instance by the range of variations of the grid leak resistor. As pointed out in the decision of the Board—

According to Applegarth substantial variation of the grid leak resistance tended to cause the blocking tube oscillator to fire on an undesired pulse, and it was determined that with the resonant circuit included, the grid leak could be varied four or five times as much as it could be varied with the resonant circuit removed, without causing the blocking tube oscillator to fire on an undesired pulse. From this it was concluded that the resonant circuit increased the stability of the device.

It was the position of the Board that appellant was obliged to prove that the increased stability of the blocking tube oscillator was the result of using the resonant circuit and to satisfy the requirements of the counts it was not sufficient to show from a theoretical standpoint that any increase in the stability of the blocking tube oscillator which may have been observed could not have resulted from the readjustment of its grid leak resistor.

Appellee contends that the adjustment of the grid leak resistor made by Applegarth at the time the resonant circuit was inserted into or removed from the oscillatory circuit destroyed the value of the comparative performance test for its intended purpose; because in comparing the performances of oscillators with different values of grid leak resistor, a comparison was made of dissimilar oscillators having different natural operating frequencies and sensitivities.

In support of his contention appellee takes the position that Applegarth in the conduct of his test made the mistake of overlooking the change in the stability of the blocking tube oscillator resulting from a variation of the grid resistor. Appellee assembled facts submitted by Applegarth and analyzed them for the purpose of proving that the increased value of the grid resistor applied by Applegarth each time he inserted the resonant circuit into the grid return of the blocking tube oscillator actually increased the stability of the oscillator.

Appellee's analysis, which was accepted by the Board, was challenged in a petition for reconsideration of the Board's original decision. With that petition Applegarth submitted a counter analysis to prove not only the fallacy of appellee's reasoning and conclusion but also to show the correctness of Applegarth's original contention. The essential issue presented here has thus twice received painstaking consideration by the Board of Interference Examiners, whose conclusion was summarized in the following excerpts from its original decision:

> From a purely theoretical consideration, it is probable that any increased stability which may have been observed resulted from the use of the resonant circuit rather than from the change of the grid leak resistance. Yet, because of the fact that the operating characteristics of the blocking tube oscillator are inherently changed by any variation of the grid leak resistor, we believe that insufficient test data have been presented to show with the required degree of certainty that the improved result was in fact due to the resonant circuit, rather than due to the increased grid leak resistance.
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> As Applegarth has failed to establish an actual reduction to practice before his filing date, he must rely on the filing of his application for constructive reduction to practice. There is no evidence of any activity by Applegarth in reducing the invention to practice between December 15, 1939, and July 1942; thus he was not exercising reasonable diligence during the critical period.
>
> Priority of invention of the subject matter in issue is hereby awarded to John C. Wilson, the senior party.

Appellant contends that the Board's decision in holding that the increased stability of the blocking tube oscillators may have been due to an increase in the grid leak resistance is erroneous and "completely refuted by the fact that Applegarth was compelled to make the invention in issue because blocking tube oscillators alone inherently have too narrow a range of stable operation."

What the Board actually held, however, after discussing certain evidence offered by Applegarth, was—

> Furthermore, it is not clear from the record that increased stability was attained as a result of using the resonant circuit, assuming for purposes of argument, that increased stability was attained. This results from the fact that it was necessary to increase the grid leak resistance of the blocking tube oscillator when the resonant circuit was used to cause the system to continue to divide on the desired pulse.

We are not convinced that the findings of fact made by the Board of Interference Examiners is manifestly wrong as disclosed by the evidence submitted herein and for that reason the contention of appellant on the point in question cannot be sustained. *Beall* v. *Ormsby*, 33 C. C. P. A. (Patents) 959, 154 F.(2d) 663, 69 USPQ 314, 589 O. G. 329.

[2] Appellant contends further that the Board in its requirement of comparative tests substituted "a purely artificial legalistic standard for the practical standard of operability." The language of the counts here in issue, as hereinbefore noted in count 4, demonstrates the necessity of comparative tests to establish actual reduction to practice of the invention defined by the counts. Therefore, the "Board's position cannot be overruled.

[3] We have examined the facts and cited authorities relative to other points raised here by appellant and find no manifest error in the Board's evaluation of the evidence or its decision based thereon. The issue involved is highly technical in character and under the law the decision of the Board should not be disturbed unless it is manifestly erroneous. *In re Cohen*, 30 C. C. P. A. (Patents) 876, 133 F.(2d) 924, 56 USPQ 567, 552 O. G. 3.

We have given the arguments of counsel careful consideration but are unable to hold that the decision of the Board of Interference Examiners is manifestly wrong. Its decision in holding that appellant's proof was insufficient to clearly establish actual reduction to practice of the invention here in issue, that he was not exercising reasonable diligence during the critical period, and awarding priority of invention to Wilson is accordingly affirmed.

Affirmed.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Nov. 25, 1946.*

Henry S. Kahn, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Saenz, Briones & Cía, No. 1100 Paseo Colon Street, Buenos Aires, Argentina, for registration of a trade-mark and trade-mark registered April 17, 1945, No. 413,253, to Henry S. Kahn, 114–16 28th Street, New York, N. Y., and registrant having indicated that the registered mark may now be owned by an unknown successor to his business, notice is hereby given that unless such successor shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice

EXAMINER'S REPLY UNDER RULE 137

U. S. PATENT OFFICE, *Washington 25, D. C., Nov. 18, 1946.*

Rule 137, as amended, states that the Examiner shall furnish the appellant a copy of any reply to the brief. Where no further comments are considered necessary the appellant should be formally advised of this fact. Informal notations on or attached to the brief or forwarding slip should be discontinued.

Not infrequently a brief filed less than twenty days before the day of hearing is accepted by the Board of Appeals. Where in such a case the brief is forwarded to the Examiner under the provisions of Rule 137 a reply may be made notwithstanding the delayed filing. The real purpose of a reply is to enable Examiners to furnish the Board with their views regarding new facts or arguments raised in appellant's brief.

CASPER W. OOMS,
Commissioner.

Adjudicated Patents

(D. C. Pa.) Pelk patent, No. 1,953,566, for a blasting machine, claims 8, 9, 12, 14 to 17, inclusive, *Held* valid and infringed. *American Foundry Equipment Co.* v. *Pittsburgh Forgings Co.*, 67 F. Supp. 911.

(D. C. Va.) Shreckhise patent, No. 2,341,392, for apparatus for coating transfer fabrics, *Held* invalid and not infringed. *Shreckhise* v. *Ritchie*, 67 F. Supp. 926; 70 USPQ 177.

(D. C. N. Y.) Lefort reissue patent, No. 22,241, for process for production of ethylene oxide, *Held* invalid and claims 2 and 3 *Held* not infringed. *U. S. Industrial Chemicals* v. *Carbide & Carbon Chemicals Corp.*, 67 F. Supp. 895.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,056,404. CASKET. Patented Oct. 6, 1936. This casket has an upper hinged portion which may be completely removed from its base. The base is fitted with a couch which is in all respects similar to an ordinary couch. The inventor states that the purpose of the invention is to eliminate the usual mentally depressing setting given to the display of the deceased. (Owner) James Lawrence, 6733 Stony Island Ave., Chicago 49, Ill. Group 25—71. Reg. No. 4,387.

Pat. 2,279,460. CLOTHESPIN. Patented Apr. 14, 1942. The construction of this clothespin is such that the crotch forms a double curve. This formation acts to distribute the stress and increase resistance to splitting. (Owner) I. Harter. Address correspondence to J. P. Moran, 85 Liberty St., New York 6, N. Y. Group 25—99. Reg. No. 4,388.

Pat. 2,402,648. COMFORTER. Patented June 25, 1946. This comforter features fillers which may be easily removed or replaced, enabling the cover to be separately washed or cleaned. The elongated fillers (stuffed with down, wool, or cotton) are inserted into the pockets stitched in the two layers of cloth which constitute the cover. A long stick or broom-handle may be used for this purpose. The cover is made so that the fillers will not slip. Production problems are eliminated since no zippers, buttons, or fasteners of any kind are used. (Owner) Mrs. Ruby M. Leslie, 118 East 64th St., New York 21, N. Y. Group 23—93. Reg. No. 4,389.

Pat. 2,208,985. SOCKET CONNECTION. Patented July 23, 1940. This patent relates to a socket connection for a drill which uses a detachable bit. The connection does not involve the use of any threaded portions, but rather an arrangement of concentric and eccentric fittings. After the bit is once locked, the rotative direction of the drill having first been determined, there is no possibility of the parts becoming disengaged, since the greater the torsion, the greater the frictional grip between the two parts. (Owner) John J. Janosko. Address correspondence to Byron H. Jennings, P. O. Box 938, Anaconda, Mont. Group 35—41. Reg. No. 4,390.

Pat. 2,331,474. ROCK DRILL. Patented Oct. 12, 1943. This patent is concerned with a bit and drill-rod assembly. Both the rod and bit are formed with grooves which in assembly are in substantial alignment. A soft metal filling is tightly compressed between the bit and rod and extends into the grooves, thus securely locking the bit to the drill rod. The joint provided is equal in strength to the best threaded joints but does not involve the careful or accurate workmanship required to make such threaded joints. (Owner) John J. Janosko. Address correspondence to Byron H. Jennings, P. O. Box 938, Anaconda, Mont. Group 35—41. Reg. No. 4,391.

Pat. 2,402,330. SAFETY CRUTCHES. Patented June 18, 1946. Light tubular metal crutches are pivotally connected as a unitary structure to an oval frame base provided with swiveled casters and rubber pads which function as stabilizers. The crutches are provided with armpieces and an extending hand grip. When employed the user grasps the hand grips to raise himself from a sitting position and places the armpieces under his armpits. As he leans and steps forward the armpieces move to an advanced position and the base is pushed ahead by lifting slightly on the crutch hand grips. The swing of the crutches is limited so that it is impossible for the user to fall. By repeated alternate movement the convalescent patient (for whom these crutches are particularly intended) walks with little difficulty. (Owner) John J. Janosko. Address correspondence to Byron H. Jennings, P. O. Box 938, Anaconda, Mont. Group 39—16. Reg. No. 4,392.

Pat. 2,145,142. ERASER ATTACHMENT FOR TYPEWRITERS. Patented Jan. 24, 1939. This attachment consists of an eraser suspended by a chain or cord hooked to a small suction cup. The cup may be attached to the side of a desk or typewriter so that the eraser is always available. The cup, of course, will not mar any surface to which it is attached. (Owner) Fred Stout, 328 West 33d St., New York 1, N. Y. Groups 30—51; 40. Reg. No. 4,393.

Pat. 2,347,867. DIAPER. Patented May 2, 1944. Diaper may be adjusted to fit infants from birth to eighteen months or older. Snap fasteners, ties, etc., are arranged at waist portion and two spaced rows of fasteners extend lengthwise for adjustment purposes. (Owner) Laurabel W. Alban, 6847 Alden Drive, Rt. 5, Pontiac, Mich. Groups 22—12: 23—99. Reg. No. 4,394.

Pat. 2,111,987. MOP WRINGER. Patented Mar. 22, 1938. A portable wringer for a mop. Comprises a supporting cylinder with a bracket for insertion of mop handle. A rod slidable in cylinder has a crank handle on one end and jaws pivoted to the other end which grasp mop and wring it as operator turns crank handle. (Owner) Peter Morell, 172 West 126th St., New York, N. Y. Group 35—81. Reg. No. 4,395.

Pat. 2,403,847. GRASS AND WEED DESTROYER. Patented July 9, 1946. A weed and grass burner which uses exhaust gases from a locomotive to destroy growth around road bed. Two tubes are mounted on locomotive near boiler and convey exhaust steam to road bed. Ends of tubes are attached to base of smokestack, the lower ends extending to within two or three inches of rails. In operation smoke stack is closed and hot gases are caused to exhaust through tubes onto road bed. (Owner) Daniel A. Caylor, Suspension, Ala. Group 33—12. Reg. No. 4,396.

Pat. 2,403,257. SNOW REMOVAL APPARATUS. Patented July 2, 1946. Snow is drawn into apparatus by a rotating screw conveyor and fed into the conical housing of snow-ejecting mechanism at rear of conveyor. A forward screw rotating at a slow speed conveys snow rearwardly and a rearward screw rotating at a higher speed scatters snow over a wide area or feeds into a receiving vehicle. May be mounted on the front of a locomotive, truck, etc. (Owner) John E. Becker, 14 Omaha Ave., Algonquin Island, Toronto, Ontario, Canada. Group 38—11. Reg. No. 4,397.

Pat. 2,351,768. BUILDING AND BUILDING BLOCK THEREFOR. Patented June 20, 1944. An interlocking, self-spacing and self-aligning block for cement buildings laid without mortar. Entire building may be quickly erected with a minimum of skilled labor. The pre-cast block has three interlocking sections with enclosed air spaces which connect with those of adjacent blocks. Blocks are supported by interlocking tongues and grooves. Reinforcing rods are placed through openings in blocks and connected to ends of joists. Walls may be finished as desired. (Owner) R. G. Kaping, 214 Lake St., Libertyville, Ill. Group 32—71. Reg. No. 4,398.

Pat. 2,402,936. WARNING DEVICE FOR TYPEWRITERS. Patented June 25, 1946. A signaling attachment for typewriters to warn operator to cease typing at any predetermined place from lower edge of paper. Comprises a signal shaft mounted adjacent carriage with a striker mounted in a bracket and crank arms for operating the signal when guide shaft is set free. (Owner) Harold S. Slocum, 6203 South Kilpatrick Ave., Chicago 29, Ill. Group 35—72. Reg. No. 4,399.

Pat. 1,981,856. RETRACTABLE LANDING GEAR. Patented Nov. 27, 1934. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370, O. G. 757.) A retractable landing gear for fuselage of any type of aircraft. Includes a pair of telescoped extensible axle-sections, a supporting structure hinged to fuselage which permits upward and downward movement of axle. A spring-tensioned locking pin slidably supported in guide bore in axle straddling fork has a flexibly jointed lower portion engageable in the registering openings of axle sections and yields to any tilting action of axle. (Owner) Hugh C. Downey, 102 Rose Ave., Floral Park, N. Y. Group 37—22. Reg. No. 4,400.

Pat. 2,097,844. AUTOMATIC CAN FILLER. Patented Nov. 2, 1937. An automatic device for filling milk cans. A trough beneath a milk cooler has two outlets, one valve-controlled and connected to an adjustable float which extends into milk can. When the milk in the can reaches a certain level the float closes the valve and the milk flows from another outlet into a second can. (Owner) Guilford D. Robinson, Eden, N. Y. Group 35—51. Reg. No. 4,401.

Pat. 2,138,705. MEANS FOR IDENTIFYING ARTICLES. Patented Nov. 29, 1938. Identification label for wearing apparel, house furnishings, etc., to indicate ownership, utility, grade, etc. The usual label which bears brand name is provided with a number of removable differently colored threads which form an original pattern. One or more of these threads may be removed to form a distinguishing pattern which serves as an identifying means. (Owner) Thomas F. Murphy, 2737 Devonshire Place, N. W., Washington 8, D. C. Groups 22—12; 23—V1—99. Reg. No. 4,402.

Pat. 2,403,420. PROTRACTOR FOR PIPE BENDING MACHINES. Patented July 2, 1946. An attachment for a standard pipe bending machine to determine the degree of bend of a pipe being bent. Comprises an arm carrying a roller which engages side of pipe. By setting protractor at zero and bending the pipe the exact degree of bend can be determined. The arm carries a pointer which moves over scale on protractor. Particularly important in ship construction work. (Owner) Elijah N. Willingham, 501 Palm St., Santa Rosa, Calif. Groups 35—65; 37—31. Reg. No. 4,403.

Pat. 2,403,395. COMBUSTION ENGINE. Patented July 2, 1946. A two-stroke cycle internal combustion engine. Comprises a pair of opposed working pistons in each cylinder and a freely movable piston between, forming a combustion chamber. Working cylinders are connected to crankshaft, one directly and the other through an inertia member and connecting rods on either side of cylinder. Inertia member when propelled outwardly compresses spring secured to transverse member of vehicle and propels vehicle by a series of cushioned blows. (Owner) Fernando G. Prieto, 409 South Bixel St., Los Angeles 13, Calif. Group 35—19. Reg. No. 4,404.

Pat. 2,011,832. COLD PACK. Patented Aug. 20, 1935. The interior of pack is divided into a number of chambers by flexible moisture-proof partitions, which also act as hinges, making pack adjustable to body contour. Each chamber contains a liquid refrigerant permanently sealed therein. When cooled in a refrigerator, a removable, flexible, moisture-proof cover encases the pack to prevent condensation of moisture on its exterior surface. (Owner) Charles F. Slater, 607 Columbia Bldg., Pittsburgh, Pa. Group 30—51. Reg. No. 4,405.

Pat. 2,401,831. CUTTER FOR CLOTHING. Patented June 11, 1946. Tailor's or dressmaker's shears with a leg unit extending from grip of primary blade and carrying a rotatably mounted wheel to guide shears over material. (Owner) Philip Katz, 2350 North Market St., Riverside, Calif. Group 33—51. Reg. No. 4,406.

Pat. 2,401,171. TRAFFIC SIGNAL. Patented May 28, 1946. A traffic signal composed of three essential parts consisting of a casing, a light channeling unit and a wiring system. Three vertically superimposed compartments are provided in a housing mounted upon a base or suspended from an arm. Each compartment has one electric light bulb, but four light channeling units fastened to housing by three finger latches. Timing device is so arranged that proper color shows in all directions at all times. In the event that outer colored lens is broken an inner lens of same color is provided to duplicate function of outer lens. May be manufactured from sheet metal. (Owner) William J. Leppert, 714 Orleans St., New Orleans 16, La. Group 36—62. Reg. No. 4,407.

Pat. 2,397,800. GUN. Patented Apr. 2, 1946. After projectile is fired in usual way inventor states that its flight is accelerated through the barrel by an additional explosive charge which occurs in a chamber at the side of the barrel. Two ducts of the chamber communicate with the barrel. Gas from the initial exploded charge enters one of the ducts and fires the additional charge which passes through the second duct into the barrel directly behind the flying projectile. Explosive force of charge opens a valve in second duct. Several chambers may be positioned along barrel. (Owner) Graham S. McArthur, 225 Count St., Portland, Oreg. Group 33—XI. Reg. No. 4,408.

Pat. 2,394,835. EXPOSURE METER. Patented Feb. 12, 1946. This patent pertains to a calculator used with exposure meters of the light value indicating type. The calculator comprises an outer rotatable disk having light value and shutter speed scales; and a divided inner disk, one section of which is fixed and carrying a film emulsion speed scale and the other section rotatable and carrying an aperture scale. An indicator on the rotatable half bridges the scale on the outer disk and cooperates with a fixed factor scale on the casing supporting the calculator. The casing encloses a photo cell, galvanometer coil and other parts necessary in the usual exposure meter. (Owner) Luther M. Arant, Box 27, Foley, Ala. Group 39—12. Reg. No. 4,409.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 17, 1946

[VOL. 593. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 480,012. DESSERT SEED CO., El Centro, Calif. Filed Feb. 20, 1945.



The word "Seed" is disclaimed apart from the mark.
FOR GARDEN AND FIELD SEED.
Claims use since July 1, 1944.

Ser. No. 492,662. THE RAYON PROCESSING CO. OF R. I. INC., Central Falls, R. I. Filed Dec. 4, 1945.

RAYMIX

FOR IRREGULARLY CUT OR COMMINUTED TEXTILE FIBRES—NAMELY, COTTON, RAYON, OR WOOL USED AS A SURFACE COATING FLOCK FOR SURFACES.
Claims use since April 1937.

Ser. No. 500,824. RAYONIER INCORPORATED, New York, N. Y. Filed Apr. 24, 1946.

RAYAMO

FOR WOOD CELLULOSE IN SHEET FORM, ADAPTED AS A BASE CELLULOSE PRODUCT FOR CONVERSION TO CELLOPHANE.
Claims use since Nov. 30, 1945.

Ser. No. 501,175. JOHN R. EVANS & COMPANY, Camden, N. J. Filed Apr. 30, 1946.

EVANIDE

FOR LEATHER.
Claims use since Mar. 27, 1946.

CLASS 2

RECEPTACLES

Ser. No. 506,391. L. RENCH, Oakland, Calif. Filed July 27, 1946.

Storitcold

FOR PAPER BAGS.
Claims use since July 15, 1946.

Ser. No. 508,580. THE DOBECKMUN COMPANY, Cleveland, Ohio. Filed Sept. 6, 1946.

STANDRITE

FOR BAGS OF CELLOPHANE, PAPER, OR OTHER SHEET MATERIALS.
Claims use since May 1, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 489,972. EDWIN B. LIVINGSTON, doing business as Edw. Livingston & Sons, Kansas City, Mo. Filed Oct. 15, 1945.

DISH-NU

The term "Dish" is disclaimed apart from the mark.
FOR DISH-WASHING COMPOUND.
Claims use since February 1940.

Ser. No. 494,434. EL PARAISO DE PURUA, FUENTES TERMALES, S. A., Mexico City, Mexico. Filed Jan. 8, 1946.

BALNEARIO SAN·JOSE·DE·PURUA

The words "San Jose" and "Balneario" are disclaimed apart from the mark.
FOR TOILET SOAP.
Claims use since Jan. 4, 1945.

Ser. No. 494,709. SCIENTIFIC ANGLERS, Midland, Mich., assignor to Scientific Anglers, Inc., Midland, Mich., a corporation of Michigan. Filed Jan. 12, 1946.

HY-DRY

The word "Dry" is disclaimed apart from the mark.
FOR WATERPROOFING COMPOSITION USED FOR TREATING LEATHER.
Claims use since Oct. 3, 1945.

Ser. No. 495,668. HARDESTY CHEMICAL CO., New York, N. Y. Filed Jan. 30, 1946.

SUDSEX

FOR SYNTHETIC DETERGENT IN LIQUID, PASTE, OR POWDER FORM FOR INDUSTRIAL AND DOMESTIC CLEANING PURPOSES.
Claims use since Jan. 8, 1946.

Ser. No. 495,893. GERTRUDE R. LEE, Roxbury, Mass. Filed Feb. 2, 1946.

NYLO-GRAINS

No claim is made to the word "Grains" apart from the mark.
FOR SOAP PREPARATIONS.
Claims use since Dec. 3, 1945.

Ser. No. 496,486. TONE LABORATORIES, INC., New York, N. Y., assignor to Helena Rubinstein Inc., New York, N. Y., a corporation of New York. Filed Feb. 12, 1946.

PLUS CLEANSER

The word "Cleanser" is disclaimed apart from the mark.
FOR COSMETIC PREPARATIONS FOR CLEANSING AND BEAUTIFYING THE SKIN—NAMELY, CREAM SOAP PREPARATIONS.
Claims use since Nov. 21, 1945.

Ser. No. 496,651. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Feb. 15, 1946.

ESTACOD

FOR BLEND OF FATTY OILS FOR USE IN THE OILING-OFF AND FAT-LIQUORING OF LEATHER.
Claims use since Nov. 23, 1945.

Ser. No. 497,497. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Mar. 1, 1946.

TERGE

FOR DETERGENTS USED AS A GENERAL PURPOSE CLEANER OR CLEANSER FOR WASHING OF CLOTHES, DISHES, FLOORS, WALLS, AND OTHER INDUSTRIAL AND HOME USES AND SOAP.
Claims use since Jan. 21, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 481,616. DIXIE MEDICINE CORPORATION, Charlotte, N. C. Filed Apr. 2, 1945.

DMC

The letters "D" and "C" are disclaimed as to any separate use apart from the mark.
FOR COMPOUND FOR THE RELIEF OF MUSCULAR ACHES AND PAINS, AND FOR AN IRON AND VITAMIN PREPARATION.
Claims use since June 1915.

Ser. No. 482,468. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Apr. 23, 1945.

EXTRADRI

FOR PERFUME, TOILET WATER, LIPSTICK, AND FACE POWDER.
Claims use since Apr. 17, 1944.

Ser. No. 484,888. GLO-RITE CHEMICAL COMPANY, New York, N. Y. Filed June 21, 1945.

GLO·RITE BLEACH

Applicant disclaims exclusive use of the word "Bleach." The figure of a woman shown is fanciful.
FOR LAUNDRY BLEACH SOLUTION.
Claims use since June 1944.

Ser. No. 487,168. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y. Filed Aug. 17, 1945.

B·Y-21

No claim is made to the exclusive use of the letter "B" apart from the mark.
FOR INGREDIENTS OR SUPPLEMENTS OF FOODS, CONTAINING RIBOFLAVIN AND OTHER NUTRITIVE ELEMENTS, FOR ADDITION TO THE FEED OF POULTRY AND LIVESTOCK.
Claims use since Apr. 2, 1945.

Ser. No. 488,723. ARCHER-TAYLOR DRUG CO., Wichita, Kans. Filed Sept. 20, 1945.

LAVATUM

FOR GREASELESS BASE OINTMENTS, FOR THE TREATMENT OF MINOR SKIN AILMENTS SUCH AS ZINC OXIDE, NEO-CALMAZIN, AMMONIATED MERCURY, SULFATHIAZOLE, SALICYLIC BENZOIC MERCURY, AND TAR.
Claims use since May 1, 1945.

Ser. No. 490,792. MARY CHISHOLM, Manchester, Ky. Filed Oct. 31, 1945.

M.E.O

FOR OINTMENT FOR TREATMENT OF ECZEMA AND OTHER SKIN AILMENTS.
Claims use since July 15, 1945.

Ser. No. 490,884. GALEN LABORATORIES, Pittsburgh, Pa. Filed Nov. 1, 1945.

JOT

FOR AFTER-SHAVE LOTION, HAIR TONIC, AFTER-SHAVE TALC, AFTER-SHOWER TALC, FOOT POWDER, AFTER-SHAVE CREAM, MOUTH WASH, AND TOOTH PASTE.
Claims use since Sept. 20, 1945.

Ser. No. 492,221. JAMES N. RAMSEY, Pittsburgh, Pa. Filed Nov. 26, 1945.



The portraits are purely fanciful.
FOR HAIR POMADE.
Claims use since 1941.

Ser. No. 493,367. LANBURN CHEMICAL CO., Irvington, N. J. Filed Dec. 15, 1945.

LANBURN CHEMICAL CO. IRVINGTON, N.J. LANBURN

No claim is made to the words "Chemical Co." and "Irvington, N. J." apart from the mark.
FOR CHEMICAL PREPARATIONS FOR RUST PROOFING AND RUST REMOVING.
Claims use since June 14, 1945.

Ser. No. 494,039. JEAN DESPREZ, Paris, France. Filed Dec. 29, 1945.

ETOURDISSANT

FOR PERFUMES AND ROUGES.
Claims use since November 1944.

Ser. No. 495,092. PARFAIT, INCORPORATED, Chicago, Ill. Filed Jan. 19, 1946.

Sweet 'n Lovely

The term "Sweet" is disclaimed apart from the mark.
FOR BUBBLE BATH, HAND LOTION, COLOGNE, HAIR SHAMPOO, POWDER MIT IMPREGNATED WITH POWDER FOR AFTER-BATH USE.
Claims use since June 1, 1945.

Ser. No. 495,598. EVANS CHEMETICS INC., New York, N. Y. Filed Jan. 29, 1946.

HUMECTIC

FOR CAKE MAKE-UP.
Claims use since Jan. 21, 1946.

Ser. No. 496,642. LENTHERIC, INCORPORATED, New York, N. Y. Filed Feb. 15, 1946.

CHINA POBLANA

"China" as a geographical term, and apart from the association shown, is disclaimed.
FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Jan. 23, 1946.

Ser. No. 496,701. EDWIN W. HEATH, III, doing business as Heath Products Co., Bristol, Pa. Filed Feb. 16, 1946.



FOR INSECTICIDES.
Claims use since Jan. 7, 1946.

Ser. No. 496,984. WILLIAM P. RIGGINS, doing business as Wm. P. Riggins Co., Arlington, Va. Filed Feb. 20, 1946.

THYAM

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF OBESITY.
Claims use since Mar. 12, 1945.

Ser. No. 497,267. PARFUMS MARC-ALLAIN (S. A. R. L.), Neuilly, France. Filed Feb. 26, 1946.

Marc-Allain

PARIS

No claim is made to the word "Paris" apart from the mark.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.
Claims use since Feb. 18, 1944.

Ser. No. 497,285. CHARLES A. WEDGEWORTH, Pampa, Tex. Filed Feb. 26, 1946.



No claim is made to the words "Worm Smear" apart from the mark.
FOR PREPARATION FOR USE IN TREATMENT OF SCREW WORMS, WIRE CUTS, PINK EYES AND CANCER EYES IN CATTLE, SHEEP AND HORSES.
Claims use since Feb. 15, 1941.

Ser. No. 497,310. FRANCIS H. HOGE, JR., doing business as The U. N. Products Company, New York, N. Y. Filed Feb. 27, 1946.

FIVE-5-FOLD

FOR INSECTICIDES.
Claims use since Nov. 10, 1945.

Ser. No. 497,361. WILLIAM L. ARMSTRONG, doing business as Armstrong Chemical Company, Fremont, Nebr. Filed Feb. 28, 1946.

Mello=

Balm

No claim is made to the word "Balm" except as shown.
FOR FLUIDS FOR EMBALMING AND FOR DISINFECTING THE DEAD HUMAN BODY.
Claims use since Oct. 25, 1945.

Ser. No. 497,823. HARRY A. SIMON, doing business as La Floreal Parfum Sales Co., Hollywood, Calif. Filed Mar. 7, 1946.

Night of Love

FOR PERFUMES.
Claims use since Apr. 5, 1935.

Ser. No. 498,406. THE EFFECTINE COMPANY, Indian Orchard, Mass. Filed Mar. 18, 1946.

Effectine

FOR LIQUID LINIMENT FOR EXTERNAL USE, SUCH AS BY A RUBBING APPLICATION AND ADAPTED FOR THE RELIEF OF MUSCULAR ACHES AND PAINS, SPRAINS, BRUISES, SWOLLEN OR STIFF JOINTS.
Claims use since Aug. 1, 1893.

Ser. No. 498,833. JOSEPH GENOVESE, doing business as Genovese, Long Island City, N. Y. Filed Mar. 23, 1946.

SOLARUM

FOR OIL MISCIBLE CHEMICAL COMPOUND ADAPTED TO FILTER HARMFUL SOLAR RAYS.
Claims use since Nov. 5, 1945.

Ser. No. 499,349. POND'S EXTRACT COMPANY, New York, N. Y., and elsewhere. Filed Mar. 30, 1946.

PINK TULLE

No claim is made to the word "Pink" apart from the mark.
FOR FACE POWDER.
Claims use since Mar. 20, 1946.

Ser. No. 499,852. JOHN J. NAUGLE, doing business as John J. Naugle Laboratory, New York, N. Y., assignor to Elguanite Corporation, New York, N. Y., a corporation of Delaware. Filed Apr. 8, 1946.

ELGUANITE

FOR DEFECANT FOR SUGAR SOLUTIONS.
Claims use since February 1946.

Ser. No. 500,081. HERVEY ASSOCIATES, New York, N. Y. Filed Apr. 12, 1946.



The words "Hervey Associates" are disclaimed.
FOR SACHETS, PERFUMES, TOILET WATERS, AND POWDERS—NAMELY, TALCUM POWDER, SACHET POWDER, AND BODY POWDER.
Claims use since Mar. 18, 1946.

Ser. No. 500,139. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Apr. 12, 1946.

ESKAPHEN B

No claim is made to the letter "B" apart from the mark.
FOR PHARMACEUTICALS, SPECIFICALLY SEDATIVE.
Claims use since Apr. 3, 1946.

Ser. No. 500,272. AVON PRODUCTS, INC., New York, N. Y. Filed Apr. 16, 1946.

HEAD START

The word "Head" is disclaimed apart from the mark.
FOR MEN'S COSMETIC PRODUCTS AND TOILETRIES—NAMELY, HAIR LOTION, AND AFTER SHAVING LOTION.
Claims use since Oct. 25, 1945.

Ser. No. 500,410. HELENE PESSL, INC., New York, N. Y. Filed Apr. 17, 1946.

FOR BABY DEAR

Applicant disclaims sole use of the words "For Baby" apart from the mark.

FOR BABY CREAM, TALCUM POWDER, AND BABY OIL.

Claims use since May 1942.

Ser. No. 500,508. JAMES L. YOUNGHUSBAND, Chicago, Ill. Filed Apr. 18, 1946.

ALKA-B

FOR EFFERVESCENT HEADACHE TABLETS.

Claims use since Apr. 4, 1946.

Ser. No. 500,554. THE WM. S. MERRELL COMPANY, Cincinnati and Lockland Station, Cincinnati, Ohio. Filed Apr. 19, 1946.

AMINO - CONCEMIN

No claim is made to the word "Amino" apart from the mark.

FOR PRODUCT IN CAPSULE, TABLET, LIQUID OR POWDER FORM FOR USE AS A GENERAL DIETARY SUPPLEMENT AND TONIC IN CONDITIONS OF DEBILITY.

Claims use since Mar. 26, 1946.

Ser. No. 500,779. CHARLES TANZER, doing business as Hygeia Pharmaceutical Co., New York, N. Y. Filed Apr. 23, 1946.

Hy PHARM

FOR PHARMACEUTICALS—NAMELY, VITAMINS A, B, C, D, B COMPLEX, MIXTURES OF VITAMINS, BREWER'S YEAST, ALKALINE AROMATIC, AMINOPYRINE, AMINOPHYLLIN, AMMONIUM CHLORIDE, ASPIRIN, BARBITAL, BISMUTH SUBNITRATE, CALCIUM LACTATE, CALCIUM GLUCONATE, CALOMEL, CASCARA COMPOUND, CASCARA SAGRADA, CINCHOPHEN, COLD TABLETS, CHINIOFON, EPHEDRINE HYDROCHLORIDE, EPHEDRINE SULPHATE, FERROUS SULPHATE, HEXAMETHYLENEAMINE, MILK OF MAGNESIA, OVARIAN SUBSTANCE, PHENACETIN, PHENOBARBITAL, SACCHARIN, SALOL, SODIUM BICARBONATE, SODIUM BROMIDE, SODIUM CHLORIDE, SODIUM SALICYLATE, STILBESTROL, SULFADIAZINE, SULFANILAMIDE, SULFAPYRIDINE, SULFATHIAZOLE, THYROID, TOTAQUININE AND TRIPLE BROMIDES.

Claims use since Mar. 7, 1946.

Ser. No. 500,889. JULIUS V. MADSEN, doing business as Julius V. Madsen Co., Los Angeles, Calif. Filed Apr. 25, 1946.

IN THE GROOVE

BUBBLING RHYTHM

No claim is made to the word "Bubbling" apart from the mark.

FOR BUBBLE BATH PREPARATION.

Claims use since Dec. 27, 1945.

Ser. No. 501,052. CARL DAMSCHINSKY, INC., Woodside, Long Island, N. Y. Filed Apr. 27, 1946. Under 10-year proviso.

C. Damschinsky

FOR HAIR DYES.

Claims use since 1891.

Ser. No. 501,188. LANCOME SALES INC., New York, N. Y. Filed Apr. 30, 1946.

QUI SAIT

FOR PERFUMES AND TOILET WATER.

Claims use since Apr. 24, 1946.

Ser. No. 501,531. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed May 6, 1946.

Wondra

FOR SHAMPOO AND COSMETIC CREAM.

Claims use since Feb. 26, 1946, on shampoo, and since Dec. 17, 1945, on cosmetic cream.

Ser. No. 501,630. BLUE MAGIC, INC., Ardmore, Pa. Filed May 8, 1946.

EASY MONDAY

FOR LIQUID STARCH FOR LAUNDERING PURPOSES.

Claims use since Jan. 14, 1946.

CLASS 7

CORDAGE

Ser. No. 505,833. CAROLINA INDUSTRIAL PLASTICS CORPORATION, Mount Airy, N. C. Filed July 10, 1946.

CHEMCLAD

FOR PLASTIC COATED CORDAGE IN DIFFERENT SIZES, SUITABLE FOR USE AS CLOTHES LINE, WELL ROPE, AWNING CORD, SASH CORD, SWINGS, TENNIS NETS, DOG LEASHES, ETC.

Claims use since Apr. 12, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 479,489. NATIONAL FIREPROOFING CORPORATION, Pittsburgh, Pa. Filed Feb. 6, 1945.

NATCO TEX DRI-WALL

The words "Dri-Wall" are disclaimed apart from the mark.

FOR BUILDING TILE.

Claims use since Dec. 30, 1943.

Ser. No. 506,553. WOOTSON L. SANDERSON, Meridian, Miss. Filed July 30, 1946.

S	C	P
SANDERSON	CHEMICAL	PROCESS

The words "Sanderson," "Chemical," and "Process" are disclaimed apart from the other features of the mark.

FOR ARTIFICIAL STONE AND BRICK.

Claims use since Jan. 1, 1920.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 497,609. KARLEEN INCORPORATED, Morris Plains, N. J. Filed Mar. 4, 1946.

KAR

FOR LINE-TAUT CLAMPS USED AS A PERMANENT INSTALLATION.

Claims use since Feb. 18, 1946.

Ser. No. 501,528. R. J. PAGLIUSO, doing business as Pagliuso Engineering Co., Glendale, Calif. Filed May 6, 1946.

PĒCO

FOR SHOWER HEADS.

Claims use since Feb. 1, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 492,498. HURON GRAY IRON FOUNDRY COMPANY, Ypsilanti, Mich. Filed Dec. 1, 1945.

HURON GRAY IRON FOUNDRY CO. - HURONITE - YPSILANTI, MICH.

With the exception of the word "Huronite" all wordage is disclaimed apart from the mark.

FOR GRAY IRON CASTINGS.

Claims use since Sept. 19, 1945.

Ser. No. 495,606. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Jan. 29, 1946.

NI-HARD

No claim is made to the word "Hard" apart from the mark. Applicant is the owner of registration No. 284,286 for the mark "Ni-Hard."

FOR WELDING RODS—NAMELY, WELDING RODS MADE OF A NICKEL ALLOY FOR HARD SURFACING OF FERROUS PRODUCTS.

Claims use since Jan. 2, 1946.

Ser. No. 497,691. AMORY PERMANENT MOLD CO., INC., Jamaica Plain, Mass. Filed Mar. 6, 1946.

AMCAST

FOR ALUMINUM, STEEL, IRON, AN BRASS CASTINGS.

Claims use since June 25, 1945.

Ser. No. 499,227. HECKETHORN MANUFACTURING & SUPPLY CO., Littleton, Colo. Filed Mar. 29, 1946.

·HECOLOY·

FOR DIECASTING METALS.
Claims use since Feb. 15, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 468,727. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Mar. 27, 1944.

Phillips 66

No claim is made to the surname "Phillips" apart from the mark. The drawing is lined for the colors black and mandarin orange.

FOR FURNITURE POLISH, AUTO POLISH, LIQUID AND PASTE AUTO WAX, AND COMBINATION AUTOMOBILE CLEANER AND WAX.

Claims use since on or about October 1931, as to furniture polish; since on or about June 1931, as to automobile polish; since on or about October 1931, as to auto wax, liquid and paste; and since on or about April 1938, as to combination automobile cleaner and wax.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 494,403. JACKMAN CIGAR MFG. CO., Detroit, Mich. Filed Jan. 7, 1946.

BEN-HUR



BEN-HUR

FOR CIGARS.
Claims use since Aug. 20, 1886.

CLASS 19

VEHICLES

Ser. No. 488,523. HARVEY MACHINE CO., INC., Los Angeles, Calif. Filed Sept. 15, 1945.

Harcraft

FOR FINISHED AIRCRAFT PARTS AND ASSEMBLIES MADE OF STAMPINGS, SCREW MACHINE WORK AND GENERAL MACHINE WORK—NAMELY, FUSELAGES AND NACELLE ASSEMBLIES.
Claims use since Jan. 27, 1944.

Ser. No. 501,345. IRVING SILVER, doing business as Silver Vogue Auto Seat Cover Co., Brooklyn, N. Y. Filed May 2, 1946.

Plastyle

FOR AUTOMOBILE SEAT COVERS.
Claims use since Apr. 26, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 482,689. THE W. L. MAXSON CORPORATION, New York, N. Y., assignor to Maxson Food Systems, Inc., New York, N. Y. Filed Apr. 27, 1945.



FOR ELECTRIC OVENS EQUIPPED WITH ELECTRIC HEATING ELEMENTS AND WITH HOT AIR BLAST CIRCULATING FANS, AND DESIGNED SPECIFICALLY FOR THE THAWING AND/OR COOKING OF FROZEN FOODS BY FORCING OVER THEM A STREAM OF HOT AIR.
Claims use since Apr. 2, 1945.

Ser. No. 486,987. H. A. DOUGLAS M'F'G. CO., Bronson, Mich. Filed Aug. 10, 1945.

HAD

FOR ELECTRIC CONNECTORS, ELECTRIC TERMINALS, ELECTRIC CONNECTING PLUGS, ELECTRIC SOCKETS, ELECTRIC WIRING OUTFITS, DASH INCANDESCENT LAMPS, ELECTRIC COWL LAMPS, ELECTRIC INSPECTION LAMPS, ELECTRIC SWITCHES, ELECTRIC HEADLIGHTS, ELECTRIC SPARK PLUGS, AND ELECTRIC SPOTLIGHTS.
Claims use since Nov. 1, 1920.

Ser. No. 487,299. RODGER F. BECKER, doing business as Mercator Manufacturing Company, Kalamazoo, Mich. Filed Aug. 20, 1945.

MERCATOR

FOR FLASHLIGHTS.
Claims use since Aug. 8, 1945.

Ser. No. 490,047. AIREON MANUFACTURING CORPORATION, Kansas City, Kans. Filed Oct. 17, 1945.

Saniway

FOR ELECTRICAL APPARATUS FOR THE COMMINUTION AND DISPOSAL OF KITCHEN AND LIKE WASTE AND PARTS OF SUCH APPARATUS.
Claims use since Sept. 24, 1945.

Ser. No. 492,065. THE LLOYD PRODUCTS COMPANY, Providence, R. I. Filed Nov. 23, 1945.

FLEX-LOC

No claim is made to the word "Loc" apart from the mark.
FOR HOLDERS FOR FLUORESCENT LAMPS.
Claims use since Nov. 8, 1945.

Ser. No. 492,551. TOBE DEUTSCHMANN CORPORATION, Canton, Mass. Filed Dec. 3, 1945.

Matchstik

FOR ELECTRICAL CAPACITORS.
Claims use since Sept. 15, 1945.

Ser. No. 500,971. DURO-TEST CORPORATION, North Bergen, N. J., and elsewhere. Filed Apr. 26, 1946.

DUROLINE
DURO TEST

The word "Test" is disclaimed apart from the mark.
FOR FLUORESCENT LAMPS AND FLUORESCENT LAMP FIXTURES.
Claims use since Apr. 22, 1946.

Ser. No. 501,246. EFENGEE ELECTRICAL SUPPLY COMPANY, Chicago, Ill. Filed May 1, 1946.

Dril-King

The word "Dril" is disclaimed apart from the mark.
FOR HAND MANIPULABLE ELECTRICALLY DRIVEN DRILLS.
Claims use since Apr. 1, 1946.

Ser. No. 501,307. STEWART R. BROWNE MFG. CO. INC., New York, N. Y. Filed May 2, 1946.

Tuffite

FOR FLASHLIGHT CASES, EXTENSION LIGHTS, PLUGS, AND SOCKETS.
Claims use on flashlight cases, since 1932; on extension lights, since 1924; on plugs, since 1930; and on sockets, since 1928.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 493,267. ALBERT W. H. HIRSCH, Tampa, Fla. Filed Dec. 14, 1945.

CHUCKEROO

FOR WORD GAME CONSISTING OF A GAME BOARD AND MOVABLE PIECES.
Claims use since Mar. 7, 1945.

Ser. No. 494,073. RICHARD T. JAMES, Brookline, Pa., assignor to James Industries, Inc., Germantown, Philadelphia, Pa., a corporation of Pennsylvania. Filed Dec. 29, 1945.

Slinky JAMES

Disclaimer is made of the proper name "James" except in the relation shown.
FOR SPRING TOYS.
Claims use since Dec. 17, 1945.

Ser. No. 494,091. PAUL A. LINCK, New York, N. Y. Filed Dec. 29, 1945.

PRESTAB

The representation of the goods is disclaimed apart from the mark.
FOR TOY BUILDING BLOCK SETS FOR CONSTRUCTING TOY HOUSES.
Claims use since Oct. 3, 1945.

Ser. No. 494,606. T. BARRY HODGE, Chicago, Ill. Filed Jan. 11, 1946.

"LANDICRAFT"

FOR CHILDREN'S PLAYTOYS, A SET OF WHICH CONSISTS OF A CARDBOARD BOAT AND EIGHT PLASTIC SOLDIERS.
Claims use since June 30, 1945.

Ser. No. 496,963. HOWARD MANUFACTURING CORPORATION, Council Bluffs, Iowa. Filed Feb. 20, 1946.

Dancemaster

FOR SKATE WHEELS.
Claims use since October 1945.

Ser. No. 498,842. JOSEPH HEIM, Lynbrook, N. Y. Filed Mar. 23, 1946.

GIDDYAP

FOR HORSE RACE GAME.
Claims use since Jan. 1, 1946.

Ser. No. 501,297. FRED WEATHERFORD, Washington, D. C. Filed May 1, 1946.

"WIN-A-PEG"

No claim is made to the word "Peg" apart from the mark.
FOR GAME CONSISTING OF PLAYING BOARDS WITH PIECES USED IN CONNECTION THEREWITH.
Claims use since Mar. 11, 1946.

Ser. No. 506,082. AMUSEMENT ENTERPRISES, INC., New York, N. Y. Filed July 23, 1946.

BANK BALL

The word "Ball" is disclaimed apart from the mark.
FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Oct. 2, 1945.

Ser. No. 506,274. TECH-ART, INC., Milford, Ohio. Filed July 25, 1946.



FOR TOYS—NAMELY, TOY TRUCKS, TOY DUMP VEHICLES, AND TOY HOIST VEHICLES.
Claims use since July 6, 1946.

Ser. No. 506,566. CLAIR D. COCANOWER, Phoenix, Ariz. Filed July 16, 1946.

Kiddie Kards

Applicant disclaims the notation "Kards" apart from the mark.
FOR PLAYING CARDS.
Claims use since July 2, 1946.

Ser. No. 507,586. E. A. JAKKU, Hood River, Oreg. Filed Aug. 17, 1946.

The Stampeder

FOR DOLLS.
Claims use since May 2, 1946.

Ser. No. 507,882. BOMBER BAIT CO., Gainesville, Tex. Filed Aug. 23, 1946.

BOMBER

FOR ARTIFICIAL FISH LURES
Claims use since July 13, 1946.

Ser. No. 509,065. ANNA JANE WISEMAN, doing business as The Wiseman Company, Memphis, Tenn. Filed Sept. 13, 1946.

"MEMPHIS MAMMY"

No claim is made to the word "Memphis" apart from the mark.
FOR DOLLS.
Claims use since 1940.

Ser. No. 509,594. STEPHEN PAWLCYN, doing business as General Plastics Company, Minneapolis, Minn. Filed Sept. 23, 1946.

BLO-Y'R-TOP

The expression "Top" is disclaimed apart from the mark.
FOR TOY SPINNING TOPS.
Claims use since May 12, 1946.

Ser. No. 509,950. THE PRODUCTS DEVELOPMENT & MANUFACTURING CO., Cleveland, Ohio. Filed Sept. 28, 1946.

KAL-KUT-A

FOR FISHING RODS.
Claims use since Aug. 5, 1946.

Ser. No. 509,997. JAY F. SANFORD, Chicago, Ill. Filed Sept. 30, 1946.

Shooting Star

FOR KITS CONSISTING OF MATERIALS FOR MAKING TOY KITES.
Claims use since Apr. 4, 1946.

Ser. No. 511,205. E. E. FAIRCHILD CORPORATION, Rochester, N. Y. Filed Oct. 21, 1946.

Jet

FOR PLAYING CARDS.
Claims use since Oct. 4, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 466,227. W. H. NICHOLS & SONS, Waltham, Mass. Filed Dec. 31, 1943.

ni

FOR HAND MILLING MACHINES AND LUBRICATION PUMPS FOR USE AS ACCESSORY TO, OR PARTS OF MACHINERY.
Claims use since Apr. 1, 1943.

Ser. No. 469,685. LIBERTY MOTORS AND ENGINEERING CORPORATION, Baltimore, Md. Filed Apr. 26, 1944.

Liberty Motors & Engineering Corp.

The words "Motors & Engineering Corp." are disclaimed apart from the mark.

FOR HAND BORING TOOLS FOR BORING CRANK CASES, Jan. 23, 1943; TORQUE WRENCH ADAPTERS, Oct. 15, 1942; SPLINE BUSHINGS FOR MACHINERY, May 1, 1942; HEADSTOCK AND SANDING ADAPTER FOR SHANK BLADES, June 22, 1942; CLAMPS TO HOLD IN ASSEMBLY FORM HYDROMATIC PROPELLERS, June 22, 1942; BLADE BUSHING PULLER USED ON PROPELLERS, June 22, 1942; WRENCHES USED ON COUNTERWEIGHT CAPS, June 22, 1942; PISTON MOVING TOOLS FOR HYDROMATIC PROPELLERS, June 22, 1942; PROPELLER STRAIGHTENING PRESS, June 8, 1942; HEAD STOCKS FOR SHANK BLADES, June 22, 1942; TAPS FOR TREATING BUSHINGS, June 8, 1942; BENCH HOLDING BASE FOR HOLDING ROTATING GEARS ON A STANDARD AIRCRAFT PROPELLER, June 8, 1942; BLADE BUSHING PULLER, June 8, 1942; COUNTERWEIGHT CAP WRENCHES, June 8, 1942; CAM WRENCHES, June 8, 1942; BUSHING INSERTERS, June 8, 1942; BARREL HALF PULLERS FOR SHANK HYDROMATIC, June 8, 1942; VALVE HOUSING TOOLS FOR INSTALLING DISTRIBUTOR VALVES, June 8, 1942; BREATHER TUBE TOOL FOR INSTALLING TUBE ON DISTRIBUTOR VALVES, June 8, 1942; PISTON GASKET TOOL FOR HYDROMATIC PROPELLERS, June 8, 1942; DEICERS OPERATED ON AIRCRAFT BY AIR PRESSURE TO PREVENT ICE FORMATION, May 13, 1943.
Claims use since date following each item.

Ser. No. 487,214. JACOB P. SEGELMAN, doing business as Dynamic Razor Blade Company, Los Angeles, Calif. Filed Aug. 17, 1945.

CHUM

FOR RAZOR BLADES.
Claims use since Dec. 6, 1936.

Ser. No. 487,792. NASH ENGINEERING COMPANY, South Norwalk, Conn. Filed Aug. 30, 1945.

HYTOR

FOR PUMPS AND PARTS THEREOF—NAMELY, VACUUM PUMPS, VACUUM HEATING PUMPS, AIR COMPRESSORS, GAS COMPRESSORS, BOILER FEED PUMPS, BILGE PUMPS, SUMP PUMPS, CENTRIFUGAL PUMPS, SUCTION CENTRIFUGAL PUMPS, FLAT BOX PUMPS, CONDENSATION PUMPS, FUEL PUMPS, SEWAGE PUMPS, ROTARY PUMPS, CIRCULATING PUMPS, PRIMING PUMPS, SELF-PRIMING PUMPS, SUCTION PUMPS, LIQUID PUMPS, MARINE PUMPS, GLASS PUMPS, BOOSTER PUMPS, SUCTION SUMP PUMPS, SUCTION SEWAGE PUMPS, DRYER EXHAUST PUMPS, MECHANICAL, HYDRAULIC AND PNEUMATIC CONTROL APPARATUS USED TO CONTROL THE OPERATION AND PUMPING FUNCTION OF PUMPS AND TURBINES, PUMP STRAINERS, SEWAGE EJECTORS, VALVES USED AS PART OF PUMP UNITS; ALSO TURBINES AND TURBINE ENGINES.
Claims use since June 1919.

Ser. No. 500,624. J. R. MCCARROLL COMPANY, Kansas City, Kans. Filed Apr. 20, 1946.

Flex-o-Pic

The word "Pic" is disclaimed apart from the mark.

FOR FLEXIBLE SHAFT TOOL FOR PICKING UP, PLACING, AND STARTING ARTICLES SUCH AS NUTS AND BOLTS.
Claims use since Apr. 8, 1946.

Ser. No. 500,932. THE ARO EQUIPMENT CORPORATION, Bryan, Ohio. Filed Apr. 26, 1946.

ARO

FOR AUTOMOTIVE AND INDUSTRIAL LUBRICATING EQUIPMENT—NAMELY, CABINET TYPE LUBRICATORS, STATIONARY LUBRICANT SYSTEMS, LUBRICANT PUMPS, SWIVEL ARMS FOR SUPPORTING LUBRICANT CARRYING HOSES, DRAIN FIXTURES FOR WASTE OIL, STATIONARY AND PORTABLE LUBRICANT DISPENSING APPARATUS AND CABINETS THEREFOR, GEAR CASE FLUSHERS, LUBRICANT GUNS, RACKS FOR SUPPORTING LUBRICANT EQUIPMENT AND PARTS FOR THE FOREGOING APPARATUS; ALSO, PNEUMATIC TOOLS—NAMELY, AIR-OPERATED MOTORS, DRILLS, PILOT DRILLS, DRILL CHUCKS, BRUSHES, POLISHERS, BUFFERS, GRINDERS, SAWS, HOLE SAWS, SPINDLE ADAPTERS, SPEED CHANGING ATTACHMENTS AND RIGHT ANGLE ATTACHMENTS FOR AIR-OPERATED MOTORS, AND IMPACT TOOLS.
Claims use since Mar. 15, 1946.

Ser. No. 501,359. THE BIXLER CORPORATION, Cleveland, Ohio. Filed May 3, 1946.

Magicflo

FOR SIPHON JIGGERS.
Claims use since Mar. 1, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 500,219. HIGHT MANUFACTURING COMPANY, Oklahoma City, Okla. Filed Apr. 15, 1946.

IRON-O-MATIC

Applicant disclaims the use of the word "Iron" apart from the mark.
FOR IRONING BOARDS.
Claims use since June 1, 1944.

CLASS 25

LOCKS AND SAFES

Ser. No. 502,181. THE ATLAS-ANSONIA COMPANY, North Haven, Conn. Filed May 16, 1946.

AA

FOR KEY BLANKS.
Claims use since Apr. 23, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 464,120. THE TAFT-PEIRCE MANUFACTURING COMPANY, Woonsocket, R. I. Filed Oct. 13, 1943.

T—P

Applicant claims no right to registration of the representation of a snap gage, except in connection with the mark as a whole.
FOR PARALLELS, BENCH CENTERS, BENCH BLOCKS, BALANCING STANDS, V-BLOCKS, TOOL MAKERS KNEES, ANGLE IRONS, ANGLE PLATES, SURFACE PLATES, UNIVERSAL SQUARES, AND CYLINDRICAL SQUARES.
Claims use since 1914.

Ser. No. 496,533. AMERICAN MEASURING INSTRUMENTS CORP., New York, N. Y. Filed Feb. 14, 1946.

AMIC

Applicant is the owner of Reg. No. 421,516.
FOR CAMERAS, OPTICAL INSTRUMENTS, PROJECTORS AND THEIR PARTS—NAMELY, OPTICAL TEST INDICATORS, TOOLMAKERS' MICROSCOPES, VIEWERS, MAGNIFYING GLASSES, MAGNIFYING LENSES, TECHNICAL PROJECTORS, SHADOWGRAPHS, MICRO-FILM PROJECTORS, OPTICAL DIVIDING HEADS, OPTICAL BEVEL PROTRACTORS, AND MICRO-FILM EQUIPMENT—NAMELY, MICRO-FILM FILING UNITS, READERS, CAMERAS, PROJECTORS, PRINTERS, PROCESSORS, ACCESSORIES AND SUPPLIES.
Claims use since July 1, 1941.

Ser. No. 501,503. THE DI-NOC COMPANY, Cleveland, Ohio. Filed May 6, 1946.

DI·NOC

Applicant is the owner of Reg. Nos. 402,597 and 402,598.
FOR TRANSLUCENT DRAFTING MATERIAL SUITABLE FOR USE IN THE PRODUCTION OF TEMPLATES BY PHOTOGRAPHIC PROCESSES, AND SENSITIZED PHOTOGRAPHIC MATERIALS—NAMELY, SENSITIZED PHOTOGRAPHIC FILM, SENSITIZED PHOTOGRAPHIC PAPER, PHOTOSENSITIVE TRACING CLOTH, PHOTOSENSITIVE TRANSFERS COMPRISING BACKING SHEETS HAVING PHOTOSENSITIVE COATINGS DETACHABLY MOUNTED THEREON AND ADAPTED TO BE TRANSFERRED TO OTHER SURFACES, AND METALLIC SHEETS HAVING A PHOTOSENSITIVE COATING THEREON.
Claims use since Nov. 29, 1944, on translucent drafting material suitable for use in the production of templates by photographic processes; and since Oct. 4, 1942 on sensitized photographic materials.

Ser. No. 501,627. BACHARACH INDUSTRIAL INSTRUMENT COMPANY, Pittsburgh, Pa. Filed May 8, 1946.

tempscribe

FOR SMALL TEMPERATURE RECORDING INSTRUMENTS.
Claims use since Mar. 20, 1946.

Ser. No. 501,913. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed May 11, 1946.

PACEMAKER

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREOF.
Claims use since Apr. 15, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 501,474. RONFORD WATCH CO., New York, N. Y. Filed May 4, 1946.

RONFORD

FOR WATCHES.
Claims use since Oct. 28, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 461,022. OPTIMIST INTERNATIONAL, St. Louis, Mo. Filed May 29, 1943.

OPTIMIST INTERNATIONAL

Applicant disclaims the exclusive use to the design or form of the label apart from the mark.
FOR TROPHIES IN THE NATURE OF LOVING CUPS.
Claims use since June 1919.

Ser. No. 497,380. ENEL MANUFACTURING CO., INC., New York, N. Y. Filed Feb. 28, 1946.

KING by Enel

FOR EXPANSION WRIST BRACELETS MADE OF STAINLESS STEEL AND PRECIOUS AND SEMI-PRECIOUS METALS.
Claims use since May 1945.

Ser. No. 501,198. ALFRED POHL, New York, N. Y. Filed Apr. 30, 1946.

La Conga

FOR SIMULATED PEARLS AND COSTUME JEWELRY.
Claims use since Apr. 24, 1946.

Ser. No. 501,201. RÉJA, INC., New York, N. Y. Filed Apr. 30, 1946.

Réja

FOR COSTUME JEWELRY.
Claims use since May 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 498,789. CHARLES A. MUREAU, Sherman Oaks, Calif. Filed Mar. 22, 1946.

TAILORED LIPS

The word "Lips" is disclaimed apart from the mark.
FOR LIP ROUGE BRUSH.
Claims use since Feb. 6, 1946.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 488,106. S. KARPEN & BROS., Chicago, Ill. Filed Sept. 7, 1945.

Healthway

FOR MATTRESSES, BOX SPRINGS, SPRING SEATS, AND COUCHES.
Claims use since Aug. 11, 1945.

Ser. No. 492,491. RALPH E. FAST, doing business as Fast Manufacturing Co., Los Angeles, Calif. Filed Dec. 1, 1945.

FASCO

FOR FOLDING SPOOL RACKS FOR USE IN ROTATABLY HOLDING SPOOLS OF THREAD.
Claims use since Oct. 22, 1945.

Ser. No. 506,829. MEIER & POHLMANN FURNITURE CO., St. Louis, Mo. Filed Aug. 3, 1946.

Oak King

The word "Oak" is disclaimed apart from the mark.
FOR DINETTE SUITES—NAMELY, TABLES AND CHAIRS.
Claims use since Jan. 7, 1946.

Ser. No. 506,830. MEIER & POHLMANN FURNITURE CO., St. Louis, Mo. Filed Aug. 3, 1946.

KromeKing

The word "Krome" is disclaimed apart from the mark.
FOR DINETTE SUITES—NAMELY, TABLES AND CHAIRS.
Claims use since Mar. 21, 1946.

Ser. No. 507,652. THE MOORE COMPANY, Muncie, Ind. Filed Aug. 19, 1946.

STREAMLITE

FOR BED SPRINGS.
Claims use since July 27, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 488,413. MORSE BOULGER DESTRUCTOR COMPANY, New York, N. Y. Filed Sept. 13, 1945.

KERNMOR

FOR INCINERATORS AND PARTS THEREOF.
Claims use since Aug. 10, 1945.

Ser. No. 506,023. THE FLYING TIGERS (AMERICAN VOLUNTEER GROUP—CHINESE AIR FORCE) INCORPORATED, New York, N. Y. Filed July 22, 1946.



FLYING TIGERS

FOR PYROPHORIC CIGARETTE AND CIGAR LIGHTERS.
Claims use since July 8, 1945.

Ser. No. 508,916. NORMAN PRODUCTS COMPANY, Columbus, Ohio. Filed Sept. 12, 1946.

NORLINE

FOR GAS CONVERSION BURNER FOR ORDINARY HOUSE HEATING FURNACES ORIGINALLY DESIGNED FOR BURNING SOLID FUEL, AND PARTS THEREOF.
Claims use since Aug. 1, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 497,237. GEM TIRE & RUBBER CO., Philadelphia, Pa. Filed Feb. 26, 1946.

GEM

FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Oct. 1, 1945.

Ser. No. 503,743. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa. Filed June 12, 1946.



FOR PNEUMATIC RUBBER TIRES AND THE FOLLOWING TIRE REPAIR MATERIALS, CAMELBACK, TUBE REPAIR GUM, CUSHION GUM, TREAD GUM, REPAIR FABRIC, RECAPPING CEMENT, REPAIR PATCHES, PADDING STOCK AND STRIPPING STOCK.
Claims use on pneumatic tires since August 1945; on camelback, tube repair gum, cushion gum, tread gum, repair fabric, and recapping cement since July 1942; on repair patches since May 1943; on padding stock since December 1944, and on stripping stock since August 1945.

Ser. No. 509,770. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 26, 1946.

TEXAIR

The word "Air" is disclaimed apart from the mark.
FOR HOSE COMPOSED PRINCIPALLY OR WHOLLY OF RUBBER.
Claims use since Mar. 1, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 500,078. GOTHAM RECORD CORP., New York, N. Y. Filed Apr. 12, 1946.

GOTHAM

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Mar. 15, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 499,308. ARKON MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 30, 1946.

ARKON

FOR FOUNTAIN PENS.
Claims use since Nov. 28, 1945.

Ser. No. 500,804. EDWARD C. KINNEY, Chicago, Ill. Filed Apr. 24, 1946.

STYLECRAFT

FOR WRITING PAPER, ENVELOPES, AND BLANK GUMMED LABELS.
Claims use since Feb. 10, 1945.

Ser. No. 502,482. SIMON APTAKER, Atlanta, Ga. Filed May 21, 1946.

ATOMIC

FOR LEAD PENCILS.
Claims use since May 4, 1946.

Ser. No. 502,483. SIMON APTAKER, Atlanta, Ga. Filed May 21, 1946.

CONSTRUCTOR

FOR LEAD PENCILS.
Claims use since May 4, 1946.

Ser. No. 502,484. SIMON APTAKER, Atlanta, Ga. Filed May 21, 1946.

GEOS

FOR LEAD PENCILS.
Claims use since May 4, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 491,325. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed Nov. 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



No claim is made to the words "Affiliated With" and "American" apart from the mark.
FOR BOOKLETS OF THE CONSTITUTION AND BY-LAWS, PAMPHLETS, AND LEAFLETS, SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS.
Claims use since 1891.

Ser. No. 491,330. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed Nov. 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938.



No claim is made to the words "Affiliated With" and "American" apart from the mark.
FOR PRINTED UNION SHOP CARDS SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS.
Claims use since Sept. 15, 1934.

Ser. No. 493,725. GEORGE BAKER, New York, N. Y. Filed Dec. 22, 1945.

THE SAD SACK

FOR CARTOONS AND COMIC STRIPS.
Claims use since June 17, 1942.

Ser. No. 499,671. THE TOWN HALL, INC., New York, N. Y. Filed Apr. 4, 1946.



The mark is described as the figure of an old-time town crier, in action, with his bell.
FOR PUBLICATIONS ON CURRENT AFFAIRS AND DEBATE.
Claims use since Oct. 27, 1941.

Ser. No. 499,778. JEROME GLASSMAN AND ELAINE GLASSMAN, Mt. Vernon and Joliet, Ill. Filed Apr. 6, 1946.

The Windsock

FOR PERIODICAL PUBLICATION.
Claims use since Mar. 10, 1946.

Ser. No. 500,179. OUR WORLD PUBLISHING COMPANY. New York, N. Y. Filed Apr. 13, 1946.

OUR WORLD

FOR MAGAZINES.
Claims use since January 1946.

CLASS 39

CLOTHING

Ser. No. 474,272. CROWN MANUFACTURING COMPANY, INC., San Francisco, Calif. Filed Sept. 16, 1944.

by Crown of California

The words "Of California" are disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S SHIRTS, UNDERSHIRTS, PAJAMAS, NIGHTGOWNS, SLEEP COATS, LOUNGING ROBES, JACKETS, SWIM WEAR, AND SHORTS.
Claims use since Aug. 1, 1943.

Ser. No. 481,017. FOOT-KIND SHOE COMPANY, Owensville, Mo. Filed Mar. 17, 1945.

FOOT-KIND

The word "Foot" is disclaimed except in the relation and association shown.
FOR SHOES MADE OF LEATHER, FABRIC, PLASTICS, RUBBER, AND COMBINATIONS OF THOSE MATERIALS.
Claims use since December 1944.

Ser. No. 481,018. FOOT-KIND SHOE COMPANY, Owensville, Mo. Filed Mar. 17, 1945.

"FOOT-KIND" Shoe Company

The words "Foot" and "Shoe Company" are disclaimed except in the relation and association shown.
FOR SHOES MADE OF LEATHER, FABRIC, PLASTICS, RUBBER, AND COMBINATIONS OF THOSE MATERIALS.
Claims use since December 1944.

Ser. No. 489,711. CALVIN BEAN, doing business as Ideal Shirt Company, Sykesville, Pa. Filed Oct. 10, 1945.

ISCO

FOR MEN'S AND CHILDREN'S WORK SHIRTS, SPORT SHIRTS, WOOL SHIRTS, TROUSERS, JACKETS, AND SWEATERS.
Claims use since 1930.

Ser. No. 489,712. CALVIN BEAN, doing business as Ideal Shirt Company, Sykesville, Pa. Filed Oct. 10, 1945.



FOR MEN'S AND CHILDREN'S WORK SHIRTS, SPORT SHIRTS, WOOL SHIRTS, TROUSERS, JACKETS, AND SWEATERS.
Claims use since 1935.

Ser. No. 490,875. CRYSTAL JUNIORS, INC., New York, N. Y. Filed Nov. 1, 1945.

GENE-RO

FOR DRESSES FOR LADIES.
Claims use since Oct. 30, 1945.

Ser. No. 493,748. MICHEL A. DOURA, S. A. COMERCIAL E INDUSTRIAL, Buenos Aires, Argentina. Filed Dec. 22, 1945.



The mark consists of two rectangular figures, in the lower one of which appear the representation of the head of a female, not that of a living person, and the word "Evelina."
FOR STOCKINGS AND SOCKS.
Claims use since July 1931.

Ser. No. 494,158. COTTON CLUB FROCKS INC., New York, N. Y. Filed Dec. 31, 1945.

COTTON CLUB

No claim is made to the word "Cotton" except as shown.
FOR LADIES' AND MISSES' DRESSES.
Claims use since December 1933.

Ser. No. 494,683. I. & M. Co., Brooklyn, N. Y. Filed Jan. 12, 1946.

Hoops... My dear! by I. & M. Co.

No claim is made to the use of the word "Hoops" apart from the mark.
FOR CRINOLINE SKIRTS.
Claims use since February 1945.

Ser. No. 497,547. ENRICO LAMBERTI, doing business as General Export & Import Co., New York, N. Y. Filed Mar. 2, 1946.

"GENTEX"

FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since Feb. 25, 1946.

Ser. No. 497,610. KAYLON INCORPORATED, New York, N. Y. Filed Mar. 4, 1946.

HIGHTIDE

FOR PAJAMAS AND NIGHT ROBES.
Claims use since December 1944.

Ser. No. 497,999. FLEECY MANUFACTURING CO., Chicago, Ill. Filed Mar. 11, 1946.

TINKLE TOES

Applicant disclaims exclusive use of the word "Toes" apart from the mark.
FOR HOUSE-SLIPPERS MADE OF SHEEPSKIN, OR THE LIKE.
Claims use since Dec. 1, 1945.

Ser. No. 498,003. GEM-DANDY, INC., Madison, N. C. Filed Mar. 11, 1946.

COCKSURE

FOR GARTERS, SUSPENDERS, GARMENT BELTS, ARM BANDS, AND NECKTIES.
Claims use since Mar. 4, 1946.

Ser. No. 498,537. THE NEVELK COMPANY, Hallowell, Maine. Filed Mar. 19, 1946.

Pampoonies

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF.
Claims use since Mar. 12, 1946.

Ser. No. 498,883. CANNON SHOE COMPANY, Baltimore, Md. Filed Mar. 25, 1946.



The picture of the man is fanciful.
FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR ANY COMBINATIONS THEREOF.
Claims use since Dec. 18, 1945.

Ser. No. 498,884. CANNON SHOE COMPANY, Baltimore, Md. Filed Mar. 25, 1946.



The picture of the man is fanciful.

FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR ANY COMBINATIONS THEREOF.

Claims use since Dec. 18, 1945.

Ser. No. 499,148. HENRY POLLAK, INC., New York, N. Y. Filed Mar. 28, 1946.

CONIFER BRAND

No claim is made to the word "Brand" apart from the mark.

FOR STRAW AND FELT HAT BODIES.

Claims use since 1928.

Ser. No. 499,345. PEPPY FOOTWEAR, INC., New York, N. Y. Filed Mar. 30, 1946.

Pipe-Tones

No claim is made to the word "Tones" apart from the mark.

FOR SHOES AND SLIPPERS MADE OF LEATHER OR FABRIC, OR COMBINATIONS THEREOF.

Claims use since Mar. 4, 1946.

Ser. No. 499,434. THE ROCKMORE COMPANY, New York, N. Y. Filed Apr. 1, 1946.



FOR BOYS' AND MEN'S HATS, CAPS, HELMETS, AND GLOVES, MADE OF SHEARLING.

Claims use since Feb. 11, 1946.

Ser. No. 499,466. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y. Filed Apr. 2, 1946.

AKOM SEA WOLF

FOR MEN'S, BOYS', AND CHILDREN'S BATHING SUITS; TRUNKS; KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS, AND SPORT COATS.

Claims use since Mar. 1, 1946.

Ser. No. 499,941. BRAVERMAN COMPANY, New York, N. Y. Filed Apr. 10, 1946.

Arldon

FOR LADIES', MISSES' AND GIRLS' SLIPS, NIGHTGOWNS, BRASSIÈRES, BLOUSES, PAJAMAS, PANTIES, LOUNGING ROBES; AND MEN'S LOUNGING ROBES

Claims use since Mar. 26, 1945.

Ser. No. 500,105. MELVILLE SHOE CORPORATION, New York, N. Y. Filed Apr. 12, 1946.

ARLENE

FOR SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS OF SUCH MATERIALS.

Claims use since Feb. 15, 1946.

Ser. No. 500,173. LOOMTOGS, INC., New York, N. Y. Filed Apr. 13, 1946.

Loomtogs Inc.

The picture of the girl is fanciful. The abbreviation "Inc." is disclaimed apart from the mark.

FOR WOMEN'S AND MISSES' PLAYSUITS, SLACK SETS, SLACKS, BEACH ROBES, BRUNCH COATS, SHORTS, HALTERS, BLOUSES, SHIRTS, JACKETS, SKIRTS, JUMPERS, BATHING SUITS, BOLEROS, SUITS, JERKINS, PEDAL PUSHERS, OVERALLS, COVERALLS, VESTS, COATS, BEACH DRESSES, MADE OF WOOL, COTTON, OR RAYON.

Claims use since Aug. 15, 1945.

Ser. No. 500,174. LOOMTOGS, INC., New York, N. Y. Filed Apr. 13, 1946.



The picture of the girl is fanciful.

FOR INFANTS', TODDLERS', CHILDREN'S, GIRLS', JUNIORS', TEEN-AGERS', WOMEN'S AND MISSES' APRONS, BATHING SUITS, BATHROBES, BEACH PAJAMAS, BEACH ROBES, BEACH SHOES, BED-JACKETS, APPAREL BELTS, BLOOMERS, BLOUSES, BOLEROS, BREECHES, BROTHER AND SISTER SUITS, COATS, COVERALLS, CREEPERS, CULOTTES, CUMMER BUNDS, DICKIES, DRESSES, FRONTIER PANTS, GUIMPES, HALTERS, HATS, HOUSECOATS, JACKETS, JERKINS, JODHPURS, JUMPERS, KNICKERS, NEGLIGEES, OVERALLS, PAJAMAS, PINAFORES, PLAYSUITS, RAINCOATS, REEFERS, RIDING PANTS, ROBES, ROMPERS, SASHES, SHIRTS, SHORTS, SKI PANTS, SKI SUITS, SKIRTS, SLACKS, SLACKSUITS, SNOW SUITS, SUN SUITS, SWEATERS, SUITS, TOPPERS, TRUNKS, VESTS, AND WASH SUITS, MADE OF WOOL, COTTON, AND RAYON.

Claims use since Aug. 15, 1945.

Ser. No. 500,857. CARWOOD MANUFACTURING COMPANY, Winder, Ga. Filed Apr. 25, 1946.

DEMANDER

FOR MEN'S AND BOYS' WORK PANTS, WORK SHIRTS, OVERALLS, LINED COATS, SPORTSWEAR—NAMELY, SLACKS, KNICKERS, SHIRTS AND JACKETS; AND INDUSTRIAL UNIFORMS—NAMELY, SHIRTS AND PANTS TO MATCH.

Claims use since January 1937.

Ser. No. 501,416. SPORT PRODUCTS INC., Cincinnati, Ohio. Filed May 3, 1946.



FOR MEN'S AND BOYS' SPORTS CLOTHING AND CLOTHING FOR ATHLETIC CONTESTS, PADDED AND UNPADDED—NAMELY, SHIRTS, PANTS, BELTS, CAPS, HATS, AND HOSE.

Claims use since Mar. 13, 1946.

Ser. No. 501,756. I. & L. MICHAELS, New York, N. Y. Filed May 9, 1946.

Jack O'Leather

The word "Leather" is disclaimed apart from the mark.

FOR OUTER GARMENTS FOR YOUNG MEN AND BOYS—NAMELY, SUITS, COATS, VESTS, KNICKERBOCKERS, BLOOMERS—PANTS, TROUSERS, OVERCOATS AND REEFERS, WHICH GARMENTS ARE TRIMMED WITH LEATHER.

Claims use since Sept. 2, 1919.

Ser. No. 501,884. TOWN AND COUNTRY CLUB FURS, INC., New York, N. Y. Filed May 10, 1946.

Wintra

FOR FUR COATS.

Claims use since May 2, 1946.

Ser. No. 502,056. JACK BAKER SPORTSWEAR CO. INC., New York, N. Y. Filed May 14, 1946.

SPORTEMPOS

FOR LADIES' SUITS, JACKETS, AND SKIRTS.

Claims use since Jan. 15, 1946.

Ser. No. 502,087. TEEN-TIMERS, INC., New York, N. Y. Filed May 14, 1946.



The drawing is lined for shading purposes only.
FOR DRESSES FOR MISSES AND GIRLS.
Claims use since Apr. 29, 1946.

Ser. No. 502,120. SAMUEL CITRON, doing business as Barbara Dance Frocks, New York, N. Y. Filed May 15, 1946.

DANCING DOLLY

The word "Dancing" is disclaimed apart from the mark.
FOR MISSES' AND JUNIOR MISSES' DANCE FROCKS.
Claims use since Mar. 15, 1946.

Ser. No. 502,287. GINET, INC., Charlotte, N. C. Filed May 17, 1946.

Ginet

FOR WOMEN'S SUITS, COATS, SKIRTS, DRESSES, AND BLOUSES.
Claims use since Feb. 7, 1946.

Ser. No. 502,347. TEXITE, INC., New York, N. Y. Filed May 17, 1946.

TEX-O-LINA

FOR MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL—NAMELY, POLO SHIRTS, BLOUSES, PAJAMAS, PANTIES, CREEPERS, AND KNIT SUITS.
Claims use since Mar. 27, 1946.

Ser. No. 502,934. AQUATOGS, INC., New York, N. Y. Filed May 29, 1946.



The word "Twill" is disclaimed apart from the mark.
FOR RAINCOATS, RAIN HATS, AND RAIN CAPES.
Claims use since May 18, 1945.

Ser. No. 503,503. JAMES A. DIACK, doing business as Gaylee Hosiery Co., New York, N. Y. Filed June 8, 1946.

Gaylon

FOR HOSIERY.
Claims use since Oct. 2, 1945.

Ser. No. 503,713. DILWORTH HOSIERY MILLS, INC., Charlotte, N. C. Filed June 12, 1946.

Starita

FOR INFANTS' AND CHILDREN'S HOSE.
Claims use since Mar. 1, 1946.

Ser. No. 508,382. KEL GARMENTS INC., New York, N. Y. Filed Aug. 31, 1936.

AN ORIGINAL Kelita

No claim to the exclusive right to the use of the words "An Original" is made, except in the relation and association shown.
FOR JUNIORS' AND CHILDREN'S SHORTS, CULOTTES, SLACKS, PLAYSUITS, AND JACKETS.
Claims use since Nov. 10, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 481,847. ILLINOIS WATCH CASE CO., doing business as Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Filed Apr. 7, 1945. Under section 5b of the act of 1905 as amended in 1920.

Elgin American

FOR BUTTON HOOKS, SHOE HORNS, BOBBY COMBS WITH CASES THEREFOR, COMBS, DRESSER SETS CONSISTING OF COMBS, BRUSHES, AND MIRRORS, AND MEN'S DRESSER SETS CONSISTING OF COMBS, HAIR BRUSHES, AND CLOTHES BRUSHES, ALL MADE IN WHOLE OR IN PART OF BASE METAL OR OF PLASTIC MATERIAL, ALSO POWDER SIFTERS IN THE NATURE OF A SCREEN MADE OF A TEXTILE MATERIAL, AND ADAPTED SPECIFICALLY FOR USE IN COSMETIC POWDER SIFTERS, AND/OR COSMETIC COMPACT OR VANITY CASES.
Claims use on buttonhooks, shoe horns, and bobby combs with cases therefor since 1932; on combs since 1928; on dresser sets consisting of combs, brushes, and mirrors, and men's dresser sets consisting of combs, hair brushes, and clothes brushes, since 1930; and on powder sifters since 1936.

Ser. No. 490,532. GAYLORD PRODUCTS, INCORPORATED, Chicago, Ill. Filed Oct. 26, 1945.

Gaylla

FOR BOBBY PINS AND HAIRPINS (SAID BOBBY PINS AND HAIRPINS BEING MORE PARTICULARLY DESCRIBED AS COMPOSED AND MADE OF STEEL, ALUMINITE, AND VARIOUS OTHER METALS, ALLOYS AND MATERIALS, BUT SAID BOBBY PINS AND HAIRPINS ARE NOT MADE OF, PLATED WITH, OR ORNAMENTED WITH PRECIOUS METALS.)
Claims use since Oct. 8, 1945.

Ser. No. 491,297. LEWIS P. WEIL, Germantown, Pa. Filed Nov. 8, 1945.



No claim is made to the word "Philadelphia" apart from the mark.
FOR SACHETS.
Claims use since Mar. 6, 1945.

Ser. No. 498,792. PAKULA AND COMPANY, Chicago, Ill. Filed Mar. 22, 1946.

PACER

FOR WATCH STRAPS MADE OF LEATHER.
Claims use since Sept. 10, 1945.

Ser. No. 499,149. HENRY POLLAK, INC., New York, N. Y. Filed Mar. 28, 1946.

CONIFER

FOR HAT BRAIDS AND MILLINERY BRAIDS.
Claims use since 1928.

Ser. No. 499,150. HENRY POLLAK, INC., New York, N. Y. Filed Mar. 28, 1946.

PINE

FOR HAT BRAIDS AND MILLINERY BRAIDS.
Claims use since 1928.

Ser. No. 499,274. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed Mar. 29, 1946.

EXPANDO

FOR WRIST WATCH STRAPS OF LEATHER OR FABRIC OR NON-PRECIOUS METAL, AND BUCKLES OF NON-PRECIOUS METAL FOR WRIST WATCH STRAPS AND BELTS.
Claims use since Mar. 15, 1946.

Ser. No. 499,602. AMERICAN CORD & WEBBING CO., INC., New York, N. Y. Filed Apr. 4, 1946.



FOR WEBBINGS, TAPES, AND NARROW FABRICS.
Claims use since Mar. 1, 1946.

Ser. No. 499,603. AMERICAN GLOSSITE CO., INC., Putnam, Conn. Filed Apr. 4, 1946.

CAPRICE

FOR HAT BRAIDS—STRAW AND SYNTHETIC.
Claims use since Feb. 15, 1946.

Ser. No. 499,939. ASSOCIATED LACE CORPORATION, New York, N. Y. Filed Apr. 10, 1946.

ALCOR PRODUCT NEW YORK
ASSOCIATED LACE CORPORATION

The name "Associated Lace Corporation" and the words "Product" and "New York" are disclaimed except as a part of the mark.
FOR NON-ADHESIVE TEXTILE TAPES, AND PASSEMENTERIE USED IN TRIMMING GARMENTS AND DRAPERIES, AND USED AS UPHOLSTERY TRIMMINGS.
Claims use since Aug. 12, 1939.

Ser. No. 499,969. WILLIAM H. ROTHE, doing business as Johnston Carbide Tool Co., Kearny, N. J. Filed Apr. 10, 1946.

Miss Anne

FOR HAIR PINS, BOBBY PINS, AND CURL PINS MADE OF NON-PRECIOUS METAL AND NOT EMBOSSED WITH PRECIOUS STONES.
Claims use since Mar. 26, 1946.

Ser. No. 500,100. MADISON WIRE COMPANY, INC., Buffalo, N. Y. Filed Apr. 12, 1946.

Madco

FOR HAIRPINS NOT OF PRECIOUS METAL OR METALS AND NOT EMBOSSED WITH PRECIOUS STONES.
Claims use since Dec. 27, 1945.

Ser. No. 500,181. OUVRIER FASHION ACCESSORIES, New York, N. Y. Filed Apr. 13, 1946.

SWEEPSTICK

FOR TWO-PIECE HAIR ORNAMENTS IN THE NATURE OF BUCKLES AND SPEAR PINS, NOT EMBOSSED WITH PRECIOUS STONES, AND MADE OF NON-PRECIOUS MATERIALS.
Claims use since May 7, 1945.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 487,999. HARRY J. DENEAU, Monterey Park, Calif. Filed Sept. 5, 1945.

WONDER WHEEL

The word "Wheel" is disclaimed apart from the mark as shown.
FOR WHEELED CANES FOR THE BLIND.
Claims use since Apr. 3, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 483,568. FRANK A. DELANEY, New York, N. Y. Filed May 19, 1945.

ARTCRAFTERS

FOR LINEN PIECE GOODS FOR MAKING HOUSEHOLD LINENS; AND FINISHED GOODS COMPRISING THE FOLLOWING: NAPKINS, TABLE MATS, TEA CLOTHS, DRESSER SCARFS, DINNER CLOTHS, COCKTAIL DOILIES, LUNCHEON SETS, BRIDGE SETS, DINNER SETS, TRAY SETS, SCARF SETS; BOUDOIR, SLUMBER AND INFANT'S PILLOW CASES, SHEETS, SHEET AND PILLOW CASE SETS, BEDSPREADS, BLANKET COVERS, BEDSPREAD SETS, AND FINGER TIP, GUEST, HAND AND FACE TOWELS.
Claims use since 1915.

Ser. No. 490,993. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Nov. 3, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Bemis."

BEMIS

FOR COATED FABRICS AND TUBING MADE OF JUTE, COTTON, AND/OR PAPER FABRIC.
Claims use since Mar. 1, 1938, on tubing; and since Apr. 15, 1916, on coated fabrics.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 506,589. FOLDENE, INC., Cleveland, Ohio. Filed July 31, 1946.

FOLDENE

FOR CATAMENIAL RECEPTACLE INSERTED INTO THE VAGINAL PASSAGE AND ACCOMMODATED THEREIN FOR RECEPTION OF THE MENSTRUAL FLOW.
Claims use since Jan. 1, 1939.

Ser. No. 508,026. AL R. BROOKS, Los Angeles, Calif. Filed Aug. 26, 1946.

WING

FOR CRUTCHES.
Claims use since June 20, 1946.

Ser. No. 509,520. MARY LEE, doing business as Airstep Pad Co., New York, N. Y. Filed Sept. 21, 1946.

AIRSTEP

FOR ARCH CUSHIONS.
Claims use since June 11, 1945.

Ser. No. 510,020. MEYER M. KATZ, doing business as Meyer Katz and Company, Philadelphia, Pa. Filed Oct. 1, 1946.

ATOMIC LADY

FOR PERFUME ATOMIZERS.
Claims use since Sept. 6, 1946.

Ser. No. 511,599. CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 28, 1946.

Coralite

FOR DENTAL MATERIALS USED IN MAKING INTRA-ORAL REPRODUCTIONS OF THE HUMAN MOUTH.
Claims use since Nov. 16, 1937.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 502,141. LUCIEN C. KIMSEY, Oklahoma City, Okla. Filed May 15, 1946.



The drawing is lined for the colors blue and red. The words "Fourteen Flavors Blended Into One," "Mix," and "It Satisfies" are disclaimed apart from the mark. Applicant is the owner of trade-mark registration No. 227,931.
FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Feb. 12, 1946; and since Jan. 11, 1926, in the form "Mello-Mix."

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 469,905. HENRY MELTZER, doing business as Popcorn Service Company, New York, N. Y. Filed May 3, 1944.

TIP-POP

The word "Pop" is disclaimed apart from the mark.
FOR SNACKS MADE OF PUFFED AND CONDIMENT-FLAVORED POPCORN—NAMELY, CHEESE-FLAVORED POPCORN, FRENCH-FRIED POPCORN, CARAMEL COATED POPCORN, AND PEANUT FLAVORED POPCORN.
Claims use since December 1937.

Ser. No. 477,425. R. R. MACK, doing business as Walter M. Field & Co., San Francisco, Calif. Filed Dec. 11, 1944.

SNOWPEAK

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since 1916.

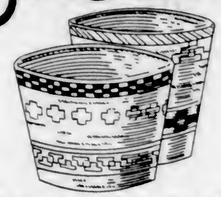
Ser. No. 483,743. I. F. SCHNIER, doing business as I. F. Schnier Company, San Francisco, Calif. Filed May 24, 1945.

CONFERENCE

No claim is made to "I. F. Schnier Co. San Francisco, Calif." apart from the mark.
FOR ORANGE JUICE FOR FOOD PURPOSES, CANNED SARDINES, COFFEE, FRUIT JAMS, AND FRUIT JELLIES.
Claims use since May 11, 1945.

Ser. No. 486,310. KELLEY-CLARKE COMPANY, Seattle, Wash. Filed July 26, 1945.

BASKET



Applicant is the owner of Reg. No. 56,962 (renewed).
FOR CANNED FISH.
Claims use since Apr. 22, 1902.

Ser. No. 491,462. GERTRUDE S. REED, doing business as Casa Rosa de Ora, Denver, Colo. Filed Nov. 13, 1945.



FOR THIN, CRISP STRIP OR CHIP OF SALTY, HOT-FAT-COOKED, CORN PRODUCT PREPARED AND ADAPTED PARTICULARLY FOR USE AS HORS D'OEUVRE WITH DRINKS.
Claims use since Nov. 3, 1945.

Ser. No. 491,463. GERTRUDE S. REED, doing business as Casa Rosa de Ora, Denver, Colo. Filed Nov. 13, 1945.

Tostaritas

FOR THIN, CRISP STRIP OR CHIP OF SALTY, HOT-FAT-COOKED, CORN PRODUCT PREPARED AND ADAPTED PARTICULARLY FOR USE AS HORS D'OEUVRE WITH DRINKS.
Claims use since June 18, 1945.

Ser. No. 496,228. FLAMBEAU MILLING CO., Phillips, Wis. Filed Feb. 8, 1946.



The picture of the Indian Chief is fanciful.
FOR POULTRY AND LIVESTOCK FEEDS—NAMELY, 18% CHICK STARTER, 18% BROILER RATION, 18% CHICK GROWER, 15% POULTRY FATTENER, 32% POULTRY CONCENTRATE, 24% TURKEY STARTER, 19% TURKEY FINISHER, MASHES, CHICK SCRATCH GRAIN, DEVELOPING SCRATCH GRAIN, HEN SCRATCH FEED, 16% DAIRY FEED, 20% DAIRY FEED, 24% MILK MAKER, 32% DAIRY SUPPLEMENT, CALF MEAL, 18% SOW AND PIG MEAL, 15% HOG FATTENER, AND 36% HOG BALANCER.
Claims use since Jan. 1, 1946.

Ser. No. 497,081. F & F LABORATORIES, INC., Chicago, Ill. Filed Feb. 23, 1946.

SHERBITS

FOR HARD CANDY DROPS.
Claims use since Feb. 12, 1946.

Ser. No. 501,029. UNITED FARMS CO., Guadalupe, Calif. Filed Apr. 26, 1946.

REVENUE

FOR FRESH VEGETABLES.
Claims use since Oct. 30, 1945.

Ser. No. 501,139. PACIFIC COAST FRUIT DISTRIBUTORS, Los Angeles, Calif. Apr. 29, 1946.

PACOAST

FOR FRESH CITRUS FRUIT.
Claims use since Apr. 7, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 482,565. CROWN CORDIAL COMPANY, Detroit, Mich. Filed Apr. 25, 1945.



FOR ALCOHOLIC BEVERAGES—NAMELY, CORDIALS, LIQUEURS, AND FLAVORED BRANDY.
Claims use since Mar. 1, 1945.

Ser. No. 491,356. OLD HEAVEN HILL SPRINGS DISTILLERY, doing business as Gary & Eddy Distilling Co., Bardstown, Ky. Filed Nov. 9, 1945.

SIR OLIVER

FOR WHISKEY.
Claims use since Mar. 17, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 497,557. NEW YORKER LEATHER GOODS CORP., New York, N. Y. Filed Mar. 2, 1946.

AUTO-MAGIC

The word "Auto" is disclaimed apart from the mark.
FOR AUTOMOBILE KITS, CONSISTING OF: SMALL TOOLS, CLOTHES BRUSH, DUST CLOTH, CLEANING FLUID, WORKING GLOVES, COMBINATION CAN OPENER AND CORK SCREW, COIN HOLDER, WRITING PAD AND PENCIL, CIGARETTES AND MATCHES, TOILET FLASK, FIRST AID ARTICLES, AND SEWING EQUIPMENT SUCH AS NEEDLES, PINS, THREAD, AND SCISSORS.
Claims use since Feb. 26, 1946.

Ser. No. 498,228. KALIX MILLS, INC., Cambridge, Mass. Filed Mar. 14, 1946.

LEATHOFANE

FOR ARTIFICIAL LEATHER.
Claims use since Jan. 10, 1946.

Ser. No. 500,341. MASON PRODUCTS COMPANY, INC., Louisville, Ky. Filed Apr. 9, 1946.

MaProCo

FOR ALUMINUM LADDERS.
Claims use since Aug. 16, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 17, 1946

426,074. PRINTED MEMBERSHIP BADGES, MEMBERSHIP CARDS, PRINTED CHARTERS, ETC. OPTIMIST INTERNATIONAL, St. Louis, Mo.
Filed May 29, 1943. Serial No. 461,023. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,075. FLAVORING EXTRACTS FOR FOODS; FOOD AND CULINARY HERBS—NAMELY, THYME, SAGE, MINT, TARRAGON, SAVORY, BASIL, MARJORAM, OREGANO, ROSEMARY, BAY LEAVES, ETC. TWIN TREES GARDENS, INC., Lynbrook, N. Y.
Filed March 7, 1944. Serial No. 468,054. PUBLISHED JANUARY 29, 1946. Class 46.

426,076. GLASS TUBING AND ROD. CORNING GLASS WORKS, Corning, N. Y.
Filed March 20, 1944. Serial No. 468,440. PUBLISHED SEPTEMBER 24, 1946. Class 33.

426,077. TOY RATTLES AND FABRIC COVERED STUFFED TOYS. PAUL E. ALLEN, Skokie, Ill.
Filed October 11, 1944, Serial No. 475,179. PUBLISHED OCTOBER 1, 1946. Class 22.

426,078. TEXTILE FABRICS MADE OF COTTON AND RAYON SOLD IN THE PIECE. J. RICHMAN & COMPANY, New York, N. Y.
Filed December 13, 1944. Serial No. 477,528. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,079. BOWL COVERS, TOASTER COVERS, PLATTER COVERS, MIXER COVERS, ORANGE JUICE SQUEEZER COVERS, AND BOTTLE COVERS, ETC. BENJAMIN CHARNAS, Forest Hills, N. Y.
Filed December 27, 1944. Serial No. 477,969. PUBLISHED SEPTEMBER 24, 1946. Class 50.

426,080. PAPER PLANT COVERS. FLOYD G. PAXTON, doing business as Paxton Products Company, Riverside, Calif.
Filed December 27, 1944. Serial No. 477,979. PUBLISHED SEPTEMBER 24, 1946. Class 37.

426,081. PIECE GOODS OF COTTON, LINEN, WOOL, RAYON, MOHAIR IN THE NATURE OF UPHOLSTERY AND DRAPERY FABRICS. J. FRED ANDREWS, doing business as Carolyn Fabrics, High Point, N. C.
Filed January 18, 1945. Serial No. 478,737. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,082. RAYON FABRIC IN THE PIECE. ROTH FABRICS CORPORATION, New York, N. Y.
Filed January 30, 1945. Serial No. 479,214. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,083. KRAFT TRAY PAPER. HAAS BROTHERS, San Francisco, Calif.
Filed January 31, 1945. Serial No. 479,230. PUBLISHED JULY 31, 1945. Class 37.

426,084. DIMENSION MEASURING APPARATUS IN THE NATURE OF SNAP GAUGES AND THE LIKE FOR MEASURING DIAMETERS AND OTHER DIMENSIONS OF OBJECTS. MICROMETAL COMPANY, Ferndale, Mich.
Filed March 22, 1945. Serial No. 481,189. PUBLISHED SEPTEMBER 24, 1946. Class 26.

426,085. GIRLS' DRESSES. ROSENAU BROTHERS, Philadelphia, Pa.
Filed April 17, 1945. Serial No. 482,258. PUBLISHED SEPTEMBER 24, 1946. Class 39.

426,086. FRENUM GUIDES, CIRCUMCISION CLAMPS, SURGICAL SCISSORS, TONSILOTOMES, AND SPECULUMS. JOHN A. FREEL, doing business as Michigan Specialty and Manufacturing Co., Bay City, Mich.
Filed June 18, 1945. Serial No. 484,680. PUBLISHED OCTOBER 1, 1946. Class 44.

426,087. MAGNIFYING GLASS. EDWARD J. HERBERT, doing business as Edroy Products Company, New York, N. Y.
Filed June 22, 1945. Serial No. 484,893. PUBLISHED SEPTEMBER 24, 1946. Class 26.

426,088. TRUNKS, SUITCASES, VALISES, TRAVELLING CASES, AND HANDBAGS. A. GALEWSKI & SONS, INC., New York, N. Y.
Filed July 3, 1945. Serial No. 485,407. PUBLISHED SEPTEMBER 24, 1946. Class 3.

426,089. GERMICIDAL LAMPS. TRU-AIR ULTRA VIOLET PRODUCTS COMPANY, Los Angeles, Calif.
Filed July 16, 1945. Serial No. 485,895. PUBLISHED SEPTEMBER 24, 1946. Class 44.

426,090. DRESS SHIELDS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y.
Filed July 20, 1945. Serial No. 486,049. PUBLISHED SEPTEMBER 3, 1946. Class 40.

426,091. RUGS AND CARPETS. FLOOR COVERINGS CO., New York, N. Y., assignor to Floor Coverings, Inc., New York, N. Y., a corporation of New York
Filed August 20, 1945. Serial No. 487,316. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,092. TOYS—NAMELY, GUNS AND GUN HOLSTERS, BLOCK AND MARBLE GAMES, STUFFED DOLLS AND STUFFED ANIMALS, ARCHERY SETS, HAMMER AND PEG SETS, AND WHEELED PULL TOYS. SAM L. WEISMAN, New York, N. Y.
Filed August 23, 1945. Serial No. 487,489. PUBLISHED SEPTEMBER 24, 1946. Class 22.

426,093. MUSLIN SHEETS, BEDSPREADS, NAPKINS, AND TABLECLOTHS; COTTON DAMASK, SHEETING, MUSLIN, AND LONG-CLOTH; COTTON AND RAYON PIECE GOODS, AND RAYON PIECE GOODS. HALE BROS. STORES, INC., San Francisco, Calif.
Filed September 4, 1945. Serial No. 487,944. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,094. POKER CHIPS. WILLIAM R. JALOF, doing business as Plastic Products, Los Angeles, Calif.
Filed September 10, 1945. Serial No. 488,222. PUBLISHED OCTOBER 1, 1946. Class 22.

426,095. MAGAZINE PUBLISHED MONTHLY, AN ASSOCIATION PUBLICATION CARRYING NEWS AND INFORMATION TO MEMBERS. EARL LINDSEY, doing business as Rodeo Cowboys Association, Fort Worth, Tex.
Filed September 10, 1945. Serial No. 488,226. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,096. FLOWER SEEDS, VEGETABLE SEEDS AND GRASS SEEDS. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed September 13, 1945. Serial No. 488,416. PUBLISHED SEPTEMBER 24, 1946. Class 1.

426,097. HOSE REELS, CLOTHES HAMPERS, VACUUM BOTTLES, AND VACUUM JUGS. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed September 13, 1945. Serial No. 488,417. PUBLISHED SEPTEMBER 24, 1946. Class 2.

426,098. BURIAL VAULTS AND CASKETS. CHRISTY L. BERG, doing business as Berg Vault Company, St. Louis, Mo.
Filed September 24, 1945. Serial No. 488,886. PUBLISHED OCTOBER 1, 1946. Class 2.

426,099. STRINGS FOR MUSICAL INSTRUMENTS. BOOSEY & HAWKES LIMITED, London, England.
Filed September 24, 1945. Serial No. 488,887. PUBLISHED SEPTEMBER 24, 1946. Class 36.

426,100. DOG FOOD. NATIONAL PET FOODS, INC., Buffalo, N. Y.
Filed October 3, 1945. Serial No. 489,342. PUBLISHED APRIL 2, 1946. Class 46.

426,101. MECHANICALLY GROOVED PHONOGRAPH RECORDS. CHARLES A. GLENN, doing business as Rhumboogie Recording Company, Chicago, Ill.
Filed October 6, 1945. Serial No. 489,510. PUBLISHED SEPTEMBER 10, 1946. Class 36.

426,102. CUTTING OILS FOR COOLING AND LUBRICATING CUTTING TOOLS ON METAL MACHINING OPERATIONS. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed October 6, 1945. Serial No. 489,531. PUBLISHED SEPTEMBER 3, 1946. Class 15.

426,103. OLEAGINOUS COMPOUND CONSTITUTING A SHORTENING AND A SUBSTITUTE FOR LARD. SOUTH TEXAS COTTON OIL COMPANY, Houston, Tex.
Filed October 8, 1945. Serial No. 489,616. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,104. RAYON CREASE RESISTANT FABRICS. S. T. PALAY TEXTILE CORPORATION, New York, N. Y.
Filed October 10, 1945. Serial No. 489,748. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,105. GELATIN DESSERTS. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed October 12, 1945. Serial No. 489,862. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,106. MOLDED LAMINATED RECEPTACLES—NAMELY, PLYWOOD BOXES AND PLYWOOD GASOLINE TANKS FOR AIRCRAFT. DURAMOLD AIRCRAFT CORPORATION, New York, N. Y.
Filed October 16, 1945. Serial No. 490,013. PUBLISHED SEPTEMBER 24, 1946. Class 2.

426,107. COMIC CARTOON PERIODICAL. CLOWN COMICS, INC., New York, N. Y.
Filed October 27, 1945. Serial No. 490,578. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,108. PLASTIC METALLIC GASKETS FOR VALVES. ELECTRIC STEEL FOUNDRY, Portland, Oreg.
Filed November 2, 1945. Serial No. 490,939. PUBLISHED OCTOBER 8, 1946. Class 35.

426,109. CHEMICAL TEST SET FOR DETECTING ALBUMIN IN URINE. WESTERFIELD PHARMACAL CO. INC., Dayton, Ohio.
Filed November 6, 1945. Serial No. 491,182. PUBLISHED OCTOBER 8, 1946. Class 44.

426,110. MACHINERY SHAFT SEALS. SIMPLEX PRODUCTS CORPORATION, Cleveland, Ohio.
Filed November 13, 1945. Serial No. 491,518. PUBLISHED AUGUST 27, 1946. Class 35.

426,111. GAME—NAMELY, A GAME BOARD AND PLAYING PIECES MOVABLE THEREON. CHARLES H. TAYLOR, Springfield, Mass.
Filed November 13, 1945. Serial No. 491,523. PUBLISHED OCTOBER 1, 1946. Class 22.

426,112. FOLDING TABLES. J. F. WOLF, Cranford, N. J.
Filed November 27, 1945. Serial No. 492,300. PUBLISHED SEPTEMBER 24, 1946. Class 32.

426,113. BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C.
Filed November 28, 1945. Serial No. 492,315. PUBLISHED SEPTEMBER 24, 1946. Class 37.

426,114. SHOE SIDE UPPER LEATHER. THE GRIESS-PFLEGER TANNING CO., Waukegan, Ill.
Filed November 30, 1945. Serial No. 492,436. PUBLISHED SEPTEMBER 24, 1946. Class 1.

426,115. WASTEBASKETS ADAPTED TO CONTROL AND SMOTHER FIRE. STRATOSOL CORPORATION, New York, N. Y.
Filed December 6, 1945. Serial No. 492,803. PUBLISHED OCTOBER 1, 1946. Class 2.

426,116. MAGAZINE COLUMN. THE F-R PUBLISHING CORPORATION, New York, N. Y.
Filed December 11, 1945. Serial No. 493,057. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,117. COLUMN OR SECTION IN A PERIODICAL PUBLICATION. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y.
Filed December 12, 1945. Serial No. 493,106. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,118. MATTRESSES. WONDER-REST CORPORATION, Milwaukee, Wis.
Filed December 14, 1945. Serial No. 493,304. PUBLISHED OCTOBER 1, 1946. Class 32.

426,119. LEATHER COSMETIC KIT BAGS AND CASES, FITTED OR UNFITTED HANDBAGS, WALLETS, PURSES, SUITCASES, AND KEY CASES. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed December 15, 1945. Serial No. 493,325. PUBLISHED OCTOBER 8, 1946. Class 3.

426,120. STRINGED MUSICAL INSTRUMENTS OF THE VIOLIN TYPE. MYRON EARL OSBURN, Enid, Okla.
Filed December 17, 1945. Serial No. 493,452. PUBLISHED SEPTEMBER 10, 1946. Class 36.

426,121. BED-RAIL EXTENSIONS, BOX MATTRESSES, AND BOX SPRINGS. LONG BOY SLEEPING EQUIPMENT CO., Los Angeles, Calif.
Filed December 18, 1945. Serial No. 493,501. PUBLISHED OCTOBER 1, 1946. Class 32.

426,122. CANNED FRUITS. CENTRAL PROCESSORS AND BRINERS, Ellensburg, Wash.
Filed December 19, 1945. Serial No. 493,535. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,123. COLLAR CANVAS FOR INTERIOR LINING OF COAT COLLARS. THOMAS TEXTILE SERVICE CO., Philadelphia, Pa.
Filed December 21, 1945. Serial No. 493,700. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,124. COLLAR CANVAS FOR INTERIOR LINING OF COAT COLLARS. THOMAS TEXTILE SERVICE CO., Philadelphia, Pa.
Filed December 21, 1945. Serial No. 493,703. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,125. MOUNTED PHOTOGRAPHS. GRANT PHOTO PRODUCTS, INC., New York, N. Y.
Filed January 3, 1946. Serial No. 494,216. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,126. STAPLES USED IN STAPLING MACHINES FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC. MARKWELL MFG. CO., INC., New York, N. Y.
Filed January 10, 1946. Serial No. 494,566. PUBLISHED SEPTEMBER 24, 1946. Class 13.

426,127. LIGHT-SENSITIZED PAPER FOR PRODUCING DIAZOTYPE PRINTS OF THE TYPE CAPABLE OF DEVELOPMENT IN AMMONIA GAS. THE FREDERICK POST COMPANY, Chicago, Ill.
Filed January 19, 1946. Serial No. 495,023. PUBLISHED SEPTEMBER 24, 1946. Class 26.

426,128. WHEAT FLOUR. BAY STATE MILLING COMPANY, Winona, Minn.
Filed January 22, 1946. Serial No. 495,162. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,129. VULCANIZABLE COMPOSITION HAVING RUBBER-LIKE QUALITIES IN GRANULAR OR SHEET FORM FOR MECHANICAL RUBBER GOODS SUCH AS SOLES AND SLABS. J. M. HUBER, INC., New York, N. Y.
Filed January 25, 1946. Serial No. 495,385. PUBLISHED SEPTEMBER 24, 1946. Class 1.

426,130. SECTION IN A WEEKLY PUBLICATION. MODERN PLASTICS, INC., New York, N. Y.
Filed January 31, 1946. Serial No. 495,753. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,131. GIRLS' AND WOMEN'S SKIRTS, BLOUSES, OUTER SHORTS, AND PLAYSUITS. KORET OF CALIFORNIA, INC., San Francisco, Calif.
Filed February 1, 1946. Serial No. 495,807. PUBLISHED SEPTEMBER 24, 1946. Class 39.

426,132. SHOULDER PADS DESIGNED FOR USE IN WEARING APPAREL. SALEM PRODUCTS CORP., New York, N. Y.
Filed February 1, 1946. Serial No. 495,829. PUBLISHED OCTOBER 8, 1946. Class 40.

426,133. PIECE GOODS MADE OF COTTON FIBER. MOSES LAVINSKY, Medford, N. J.
Filed February 4, 1946. Serial No. 495,975. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,134. ARTIFICIAL LEATHER SOLD IN SHEET FORM. WILLARD HELBURN, INC., Peabody, Mass.
Filed February 5, 1946. Serial No. 496,025. PUBLISHED SEPTEMBER 10, 1946. Class 50.

426,135. TRANSPARENT BOXES COMPOSED OF CELLULOSE ACETATE EITHER ALONE OR IN COMBINATION WITH CARDBOARD. PAPER PACKAGE COMPANY, Indianapolis, Ind.
Filed February 6, 1946. Serial No. 496,100. PUBLISHED SEPTEMBER 24, 1946. Class 2.

426,136. HOSIERY OF VARIOUS SHADES AND COLORS, EXCLUDING ALL BLUE SHADES AND COLORS. SAPPHIRE HOSIERY COMPANY, Philadelphia, Pa.
Filed February 6, 1946. Serial No. 496,104. PUBLISHED SEPTEMBER 24, 1946. Class 39.

426,137. FURNITURE—NAMELY, CHAIRS, DINETTE SETS, MANICURE TABLES, AND DRESSING TABLES. THE FEDERAL MACHINE AND WELDER COMPANY, Warren, Ohio.
Filed February 7, 1946. Serial No. 496,134. PUBLISHED OCTOBER 1, 1946. Class 32.

426,138. WOVEN COTTON RUGS. CALLAWAY MILLS, La Grange, Ga.
Filed February 12, 1946. Serial No. 496,424. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,139. FABRICS IN THE PIECE MADE OF SILK, COTTON, LINEN, OR RAYON, OR ANY COMBINATION THEREOF. A.-Q. MILLS, Timmonsville, S. C., assignor to A. Q. Mills, Inc., a corporation of South Carolina.
Filed February 13, 1946. Serial No. 496,494. PUBLISHED SEPTEMBER 24, 1946. Class 42.

426,140. PRINTED BOOKS. BANTAM BOOKS, INC., New York, N. Y.
Filed February 15, 1946. Serial No. 496,599. PUBLISHED JULY 23, 1946. Class 38.

426,141. MATRIX, DRY MATS, AND FLONGS USED IN STEREOTYPING AND ELECTROTYPING. CERTIFIED DRY MAT CORPORATION, New York, N. Y.
Filed February 20, 1946. Serial No. 496,949. PUBLISHED SEPTEMBER 10, 1946. Class 50.

426,142. CANNED MEAT. STAHL-MEYER, INC., Brooklyn, N. Y.
Filed February 20, 1946. Serial No. 496,994. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,143. LAWN SPRINKLERS. WELLS MANUFACTURING COMPANY, Dayton, Ohio.
Filed February 20, 1946. Serial No. 496,999. PUBLISHED SEPTEMBER 24, 1946. Class 13.

426,144. SACHETS, HAIR PINS, BOBBY PINS, COMBS, AND ARTIFICIAL FLOWERS FOR THE HAIR AND GARMENTS. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed February 23, 1946. Serial No. 497,071. PUBLISHED SEPTEMBER 24, 1946. Class 40.

426,145. MEN'S, WOMEN'S, AND CHILDREN'S SLACKS, POLO SHIRTS, SPORT COATS, BATH ROBES, SPORT TRUNKS, ETC. EMTEE SLACKS, INC., New York, N. Y.
Filed February 28, 1946. Serial No. 497,378. PUBLISHED SEPTEMBER 24, 1946. Class 39.

426,146. CHILDREN'S TOILET CHAIRS. HENRY G. GILDNER, doing business as Travel-Toi Company, Detroit, Mich.
Filed March 5, 1946. Serial No. 497,662. PUBLISHED OCTOBER 8, 1946. Class 32.

426,147. DRESS SHIELDS. RAND RUBBER COMPANY, Brooklyn, N. Y.
Filed March 11, 1946. Serial No. 498,029. PUBLISHED OCTOBER 1, 1946. Class 40.

426,148. LOOSE POPPED CORN, THE POPPED KERNELS BEING COATED BY DIPPING IN A CHEESE AND HONEY SOLUTION. JAMES O. TAYLOR, Tulsa, Okla.
Filed March 21, 1946. Serial No. 498,730. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,149. FILE CABINETS. AVIATION OFFICE SUPPLIES, INC., New York, N. Y.
Filed March 28, 1946. Serial No. 499,102. PUBLISHED SEPTEMBER 24, 1946. Class 32.

426,150. BAKERS' BREAD FLOUR, PASTRY MAKER FLOUR, AND BAKERS' CAKE FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed April 1, 1946. Serial No. 499,371. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,151. MAGAZINES. PATRICK HENRY PUBLICATIONS, INC., New York, N. Y., assignor to Vista Publishing Corporation, New York, N. Y., a corporation of New York.
Filed April 2, 1946. Serial No. 499,503. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,152. POWDER BASE FOR MAKING IMITATION BANANA-FLAVORED PUDDING. IMPROVED PRODUCTS INC., Los Angeles, Calif.
Filed April 4, 1946. Serial No. 499,628. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,153. LADIES' HOSIERY, SLIPS, PANTIES, NIGHTGOWNS, AND PAJAMAS; MEN'S AND BOYS' CLOTH AND LEATHER JACKETS, ETC. KENOSHA FULL FASHIONED MILLS, INC., Kenosha, Wis.
Filed April 4, 1946. Serial No. 499,631. PUBLISHED SEPTEMBER 24, 1946. Class 39.

426,154. CANNED DOG FOOD. UBC DISTRIBUTORS, INCORPORATED, Chicago, Ill.
Filed April 4, 1946. Serial No. 499,673. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,155. RAW POP CORN. AMERICAN POP CORN COMPANY, Sioux City and Leeds Station, Sioux City, Iowa.
Filed April 5, 1946. Serial No. 499,683. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,156. PERIODICAL—NAMELY, A COMIC MAGAZINC WHICH INCLUDES PICTORIAL STRIPS AND/OR CARTOONS AND/OR STORIES. THE PREMIUM SERVICE CO., INC., New York, N. Y.
Filed April 5, 1946. Serial No. 499,730. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,157. PUBLICATION ISSUED PERIODICALLY, AN INTERNATIONAL JOURNAL FOR INTERNS AND STUDENTS OF MEDICINE, ETC. STUDENTS' MAGAZINES INC., Chicago, Ill.
Filed April 5, 1946. Serial No. 499,737. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,158. PHOTOGRAPHS. PICTORIADS, New York, N. Y.
Filed April 6, 1946. Serial No. 499,798. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,159. GROUND CHOCOLATE AND COCOA. D. GHIRARDELLI CO., San Francisco, Calif.
Filed April 8, 1946. Serial No. 499,834. PUBLISHED SEPTEMBER 24, 1946. Class 46.

426,160. GREETING CARDS. HALL BROTHERS, INCORPORATED, Kansas City, Mo.
Filed April 8, 1946. Serial No. 499,836. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,161. SECTION, DEPARTMENT, OR COLUMN PUBLISHED TWICE WEEKLY IN REGULARLY ISSUED NEWSPAPERS. MINNEAPOLIS STAR JOURNAL AND TRIBUNE COMPANY, South Minneapolis, Minn.
Filed April 9, 1946. Serial No. 499,909. PUBLISHED SEPTEMBER 24, 1946. Class 38.

426,162. FISHING LURES. JOHN C. KREMER, West Palm Beach, Fla.
Filed April 10, 1946. Serial No. 499,954. PUBLISHED OCTOBER 1, 1946. Class 22.

426,163. LADIES', MISSES', JUNIOR MISSES', AND GIRLS' DRESSES, BLOUSES, SLACKS, HALTERS, OUTER SHORTS, AND SKIRTS. ALFRED S. MINCHENBERG, New York, N. Y.
Filed April 11, 1946. Serial No. 500,013. PUBLISHED SEPTEMBER 24, 1946. Class 39.

426,164. LADIES', MISSES', AND JUNIOR MISSES' COATS AND SUITS. LOEB & HOCH, INC., New York, N. Y.
Filed April 12, 1946. Serial No. 500,096. PUBLISHED SEPTEMBER 24, 1946. Class 39.

426,165. DRESSERS, BUREAUS, HIGHBOYS, CHESTS, CHIFFONIERS, AND VANITIES. THE MENGEL COMPANY, Louisville, Ky.
Filed April 22, 1946. Serial No. 500,688. PUBLISHED OCTOBER 8, 1946. Class 32.

426,166. FLORISTS' TWINE. RIVERSIDE & DAN RIVER COTTON MILLS, INC., doing business as Dan River Mills, Danville, Va., now by change of name to Dan River Mills, Incorporated.
Filed May 1, 1946. Serial No. 501,281. PUBLISHED SEPTEMBER 24, 1946. Class 7.

426,167. PLASTIC APPLICATORS FOR APPLYING COLD CREAMS, DEODORANTS, AND DEPILATORIES. SOUTHERN CALIFORNIA PLASTIC COMPANY, Eagle Rock, Calif.
Filed May 1, 1946. Serial No. 501,289. PUBLISHED OCTOBER 1, 1946. Class 44.

426,168. MATTRESSES AND SOFA BEDS, STUDIO COUCHES, AND UPHOLSTERED CHAIRS. SEALY, INCORPORATED, Chicago, Ill.
Filed May 6, 1946. Serial No. 501,541. PUBLISHED OCTOBER 1, 1946. Class 32.

426,169. MATTRESSES, PILLOWS, BOX SPRINGS, BED SPRINGS, COUCHES, BEDS, COTS, AND SOFAS. RICHARD B. ZARBIN, doing business as Pritikin Furniture Company, Chicago, Ill.
Filed May 11, 1946. Serial No. 501,943. PUBLISHED OCTOBER 8, 1946. Class 32.

426,170. REELS FOR ELECTRIC CORD, CABLE, AND OTHER FLEXIBLE LINEAR MATERIAL. HERMAN H. WEHRINGER, Upper Montclair, N. J.
Filed May 14, 1946. Serial No. 502,092. PUBLISHED SEPTEMBER 24, 1946. Class 2.

426,171. MANICURE IMPLEMENTS—NAMELY, NAIL BRUSHES, NAIL BUFFERS, NAIL FILES, NAIL CLIPPERS, CUTICLE KNIVES, ETC. C. J. BATES & SON, Chester, Conn.
Filed May 23, 1946. Serial No. 502,617. PUBLISHED OCTOBER 1, 1946. Class 44.

426,172. ALL WHITE NON-FABRIC, LAWN TENNIS COURT MARKING TAPE. ROBERT MOORE, Montclair, N. J.
Filed May 25, 1946. Serial No. 502,761. PUBLISHED OCTOBER 8, 1946. Glass 22.

426,173. TAMPONS AND SURGICAL DRESSINGS. HOWARD C. RIORDAN, doing business as E. N. T. Tampon Company, Oak Park, Ill.
Filed May 27, 1946. Serial No. 502,845. PUBLISHED OCTOBER 8, 1946. Class 44.

426,174. STAINED WOOD SHINGLES. PHILLIP W. BAILEY, doing business as West Coast Stained Shingle Co., Seattle, Wash.
Filed May 27, 1946. Serial No. 502,864. PUBLISHED SEPTEMBER 24, 1946. Class 12.

426,175. FRICTIONAL ELEMENTS FOR AUTOMOTIVE AND INDUSTRIAL BRAKES AND CLUTCHES. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed May 31, 1946. Serial No. 503,041. PUBLISHED OCTOBER 1, 1946. Class 35.

426,176. SHUTTLECOCKS. BANCROFT RACKET COMPANY, Pawtucket, R. I.
Filed June 1, 1946. Serial No. 503,154. PUBLISHED OCTOBER 1, 1946. Class 22.

426,177. WALLETS AND BILLFOLDS. ANGLO-AMERICAN LEATHERGOODS CO., INC., New York, N. Y.
Filed June 4, 1946. Serial No. 503,238. PUBLISHED OCTOBER 1, 1946. Class 3.

426,178. PAPER CUPS. FRANK M. SAYFORD CO. INC., Brooklyn, N. Y.
Filed June 12, 1946. Serial No. 503,760. PUBLISHED OCTOBER 1, 1946. Class 2.

426,179. GOLF BALLS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,896. PUBLISHED OCTOBER 1, 1946. Class 22.

426,180. ARTIFICIAL FISH BAITS. GEORGE M. GALLOWAY, doing business as Grand Lake Fishing Tackle, Celina, Ohio.
Filed June 19, 1946. Serial No. 504,172. PUBLISHED OCTOBER 8, 1946. Class 22.

426,181. ARTIFICIAL FISH BAIT. J. J. GILL & ASSOCIATES, Los Angeles, Calif.
Filed June 20, 1946. Serial No. 504,267. PUBLISHED OCTOBER 8, 1946. Class 22.

426,182. DOLLS. ANN J. LORENZEN, Atlantic City, N. J.
Filed June 21, 1946. Serial No. 504,369. PUBLISHED OCTOBER 1, 1946. Class 22.

426,183. GOLF BALLS. IRA D. MALBROUGH, JR., Chicago, Ill.
Filed July 1, 1946. Serial No. 504,914. PUBLISHED SEPTEMBER 24, 1946. Class 22.

426,184. GOLF BALLS. IRA D. MALBROUGH, JR., Chicago, Ill.
Filed July 1, 1946. Serial No. 504,915. PUBLISHED SEPTEMBER 24, 1946. Class 22.

426,185. GOLF BALLS. IRA D. MALBROUGH, JR., Chicago, Ill.
Filed July 1, 1946. Serial No. 504,916. PUBLISHED SEPTEMBER 24, 1946. Class 22.

426,186. PAPER COVERED TWINE. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed July 1, 1946. Serial No. 504,944. PUBLISHED OCTOBER 8, 1946. Class 7.

426,187. GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, ETC. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed July 8, 1946. Serial No. 505,214. PUBLISHED OCTOBER 8, 1946. Class 35.

426,188. HYPODERMIC NEEDLES. J. BISHOP & COMPANY PLATINUM WORKS, Malvern, Pa.
Filed July 17, 1946. Serial No. 505,727. PUBLISHED OCTOBER 8, 1946. Class 44.

426,189. GAMES HAVING TWO SUSPENDED BALLS AND A GOAL ABOVE ONE BALL. RALPH L. SANTOS, doing business as R. L. Santos Company, Cambridge, Mass.
Filed July 18, 1946. Serial No. 505,862. PUBLISHED OCTOBER 8, 1946. Class 22.

426,190. PAPER BAGS. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass.
Filed July 18, 1946. Serial No. 505,863. PUBLISHED OCTOBER 8, 1946. Class 2.

426,191. CHAIRS, SEATS, AND OFFICE STANDS AND TABLES. HARTER CORPORATION, Sturgis, Mich.
Filed July 26, 1946. Serial No. 506,314. PUBLISHED OCTOBER 8, 1946. Class 32.

426,192. TOY SEWING MACHINES. ARTCRAFT METAL PRODUCTS, INC., West Haven, Conn.
Filed July 31, 1946. Serial No. 506,573. PUBLISHED OCTOBER 8, 1946. Class 22.

426,193. STEP STOOLS. EDO AIRCRAFT CORPORATION, New York and College Point, Long Island, N. Y.
Filed July 31, 1946. Serial No. 506,585. PUBLISHED OCTOBER 8, 1946. Class 32.

426,194. LADIES' HANDBAGS. JANA HANDBAGS, INC., New York, N. Y.
Filed July 31, 1946. Serial No. 506,602. PUBLISHED OCTOBER 8, 1946. Class 3.

426,195. CLINICAL THERMOMETERS. BECTON, DICKINSON & CO., Rutherford, N. J.
Filed August 1, 1946. Serial No. 506,634. PUBLISHED OCTOBER 8, 1946. Class 44.

426,196. FLEXIBLE ALL METAL HOSE. METALLURGICAL EQUIPMENT CO., INC., East Rutherford, N. J.
Filed August 1, 1946. Serial No. 506,680. PUBLISHED OCTOBER 8, 1946. Class 35.

426,197. APPARATUS EMPLOYED FOR THE PURPOSE OF MAKING RADIOGRAPHIC AND FLUOROSCOPIC DIAGNOSTIC EXAMINATIONS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa., and Baltimore, Md.
Filed August 1, 1946. Serial No. 506,715. PUBLISHED OCTOBER 8, 1946. Class 44.

426,198. TOY GLIDERS. THE CALDEX COMPANY, Sheldon, Ill.
Filed August 3, 1946. Serial No. 506,798. PUBLISHED OCTOBER 8, 1946. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

426,199. (CLASS 12. CONSTRUCTION MATERIALS.) THE F. C. RUSSELL COMPANY, Cleveland, Ohio. Filed Feb. 26, 1943. Serial No. 458,794.

Triple-Service

FOR STORM WINDOWS, COMBINATION SCREEN AND STORM WINDOWS, AND WINDOW SCREENS.
Claims use since November 1940.

426,200. (CLASS 33. GLASSWARE.) AKTIEBOLAGET ORREFORS GLASBRUK, Orrefors, Sweden. Filed Feb. 29, 1944. Serial No. 467,836.

ORREFORS
SWEDEN

FOR FLATGLASS, PLATEGLASS, SHEET GLASS, GLASS TUBES AND RODS, GLASS TABLE WARE, GLASS JARS, GLASS BOTTLES, GLASS VASES, GLASS BARWARE, GLASS CONSOLE SETS, GLASS FLASKS, AND DOUBLE CORRUGATED GLASS.
Claims use since 1925.

426,201. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ASKANIA REGULATOR COMPANY, Chicago, Ill. Filed Mar. 10, 1944. Serial No. 468,132.



FOR MECHANICAL, PNEUMATIC, HYDRAULIC, AND ELECTRICAL MEASURING AND CONTROL APPARATUS AND INSTRUMENTS TO SUPERVISE AND CONTROL PHYSICAL CONDITIONS SUCH AS PRESSURE, VELOCITY, FLOW, MIXTURES, TEMPERATURES, COMBUSTION, STEAM GENERATION, AND GAS PRODUCTION AND DISTRIBUTION—SUCH APPARATUS BEING DESIGNED FOR BOTH SCIENTIFIC USES AND IN INDUSTRIAL PLANTS.
Claims use since Jan. 25, 1944.

426,202. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WYLER & COMPANY, Chicago, Ill. Filed June 16, 1944. Serial No. 471,325.

Wyler's

FOR DEHYDRATED FOODS, CONSISTING OF ONION FLAKES FOR SOUPS, STEWS, GRAVIES, ROASTS, DRESSING, AND HAMBURGERS; CHOPPED PARSLEY USED FOR POTATOES, FISH, FOWL, SALADS, VEGETABLES, SOUPS, MEATS, ROASTS, AND GRAVY; CELERY FLAKES USED FOR SOUPS, POULTRY, FISH, CHOWDERS, MEATS, AND STEWS; MIXED VEGETABLE FLAKES USED FOR SOUPS, CHOWDERS, ROASTS, POULTRY, STEWS, AND GRAVIES; VEGETABLE SOUP MIX WITH BOUILLON USED FOR MAKING SOUP; SOUP MIX WITH BEEF EXTRACT AND EGG NOODLES, CHICKEN SOUP MIX WITH EGG NOODLES, NOODLE SOUP MIX VEGETARIAN STYLE, NOODLE SOUP MIX CHICKEN FLAVOR, NOODLE SOUP MIX WITH BEEF EXTRACT, USED FOR MAKING SOUP; CHICKEN BOUILLON CUBES AND BOUILLON CUBES ARTIFICIALLY FLAVORED, USED FOR MAKING BOUILLON; RICE DINNER USED FOR MAKING A CREOLE RICE DISH CONSISTING OF A MIXTURE OF RICE WITH VEGETABLES AND SEASONING; AND RAVIOLI DINNER, USED FOR MAKING RAVIOLI CONSISTING OF MACARONI WITH VEGETABLES AND SEASONING.
Claims use since Jan. 1, 1936.

426,203. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BARNES DRILL CO., Rockford, Ill. Filed June 19, 1944. Serial No. 471,385.

BARNESDRIL

FOR MAGNETIC CHIP SEPARATORS FOR USE WITH MACHINE TOOLS SUCH AS HONING MACHINES AND GRINDING MACHINES FOR THE PURPOSE OF CLEANING THE OPERATING COOLANT.
Claims use since May 25, 1944.

426,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. R. MACK, doing business as Walter M. Field & Co., San Francisco, Calif. Filed Dec. 11, 1944. Serial No. 477,422.

BAYSIDE

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since 1936.

426,205. (CLASS 2. RECEPTACLES.) FULTON BAG & COTTON MILLS, Atlanta, Ga. Filed Mar. 26, 1945. Serial No. 481,321.

Fulton
Ful-Krop

FOR COTTON PICKER BAGS.
Claims use since Feb. 8, 1945.

426,206. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TRU-RECORD COMPANY, Kansas City, Mo. Filed May 7, 1945. Serial No. 483,097.



FOR APPLIANCES FOR EMPLOYING HEAT AND PRESSURE FOR STRAIGHTENING PHONOGRAPH RECORDS OF THE DISC TYPE, PRESSURE BEING APPLIED BY SANDWICHING THE RECORD BETWEEN SHEETS OF GLASS AND IN SOME INSTANCES EMPLOYING SPRINGS TO SQUEEZE THE RECORD THEREBETWEEN.
Claims use since Feb. 12, 1945.

426,207. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE TITAN VALVE AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 1, 1945. Serial No. 484,066.

SAFETYSTAT

FOR THERMOSTATIC GAS CUT-OFF VALVES.
Claims use since September 1936.

426,208. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MURRAY L. SCHUSTER, doing business as United Sanitary Chemicals Company, Baltimore, Md. Filed June 15, 1945. Serial No. 484,596.

SPOT-BRITE

FOR PREPARATION FOR CLEANING AND POLISHING PORCELAIN AND ENAMELED SURFACES AND TILE.
Claims use since Jan. 5, 1944.

426,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS). BELMONT PRODUCTS CORPORATION, New York, N. Y. Filed July 10, 1945. Serial No. 485,623.

BELMONT
Nation's Favorite

FOR FRUIT CAKE.
Claims use since May 28, 1945.

426,210. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BALDWIN AND SHACKLETON, INC., Cleveland, Ohio. Filed Aug. 3, 1945. Serial No. 486,644.

Nu-AD

FOR ELECTRICAL SIGNS.
Claims use since Feb. 10, 1945.

426,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. G. MOENCH & CO., INC., New York, N. Y. Filed Aug. 18, 1945. Serial No. 487,269.

CRE-MIX

FOR MIXTURE FOR USE IN MINUTE QUANTITIES IN THE COMMERCIAL MANUFACTURE OF FROZEN CONFECTIONS AND CONTAINING A STABILIZER WHICH ACTS BY GELATION AND AN EMULSIFIER CONTAINING A SURFACE-ACTIVE AGENT.
Claims use since July 20, 1945.

426,212. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. H. GARDNER, doing business as Gardner Food Products Co., Los Angeles, Calif. Filed Sept. 11, 1945. Serial No. 488,265.

Gardner's
"Brgr"

FOR RELISH COMPOSED OF PICKLES, MUSTARD, TOMATOES, VINEGAR, SUGAR, CONDIMENT, AND TURMERIC.
Claims use since Oct. 7, 1943.

426,213. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ARMAND J. LEMIEUX, New York, N. Y., assignor to Armand J. Lemieux Corporation, New York, N. Y., a corporation of New York. Filed Oct. 5, 1945. Serial No. 489,472.

Styled by
Lemieux

FOR WATCH CASES.
Claims use since Oct. 20, 1943.

426,214. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER A. STOLICH, doing business as Peter A. Stolich Co., Salinas, Calif. Filed Oct. 15, 1945. Serial No. 489,992.

PASCO
Brand
PETER A. STOLICH CO.

FOR FRESH VEGETABLES.
Claims use since May 4, 1939.

426,215. (CLASS 2. RECEPTACLES). BAXTER LAUNDRIES CORPORATION, Grand Rapids, Mich. Filed Oct. 24, 1945. Serial No. 490,415.

Baxter's
DUBBLE BAG

FOR LAUNDRY BAGS.
Claims use since Oct. 1, 1945.

426,216. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MACRAY LAMP & NOVELTY CO., INC., New York, N. Y. Filed Oct. 26, 1945. Serial No. 490,540.

Lynton
CHINA

FOR ELECTRIC TABLE LAMPS.
Claims use since Oct. 16, 1945.

426,217. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Nov. 3, 1945. Serial No. 491,009.

"BEAUTY-EDGE"

FOR WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN AND MIXTURES THEREOF.
Claims use since Jan. 31, 1945.

426,218. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Nov. 3, 1945. Serial No. 491,010.

"BEAUTY-WASH"

FOR WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF COTTON, RAYON, SILK, LINEN AND MIXTURES THEREOF.
Claims use since June 12, 1945.

426,219. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Nov. 3, 1945. Serial No. 491,012.

"PLASTI-CURTAIN"

FOR WINDOW CURTAINS AND CURTAIN MATERIALS IN THE PIECE MADE OF A PLASTIC MATERIAL OR COTTON, RAYON, SILK, LINEN AND MIXTURES THEREOF COATED WITH A PLASTIC MATERIAL.
Claims use since Aug. 2, 1945.

426,220. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BALCRANK, INC., Cincinnati, Ohio. Filed Nov. 5, 1945. Serial No. 491,049.

Padl-Pak

FOR HAND OPERATED GREASE PUMPS.
Claims use since Sept. 19, 1945.

426,221. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) J. GREENEBAUM TANNING CO., Chicago, Ill. Filed Nov. 14, 1945. Serial No. 491,567.

BARCLAY

FOR LEATHER.
Claims use since Oct. 15, 1945.

426,222. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BARRET TEXTILE CORPORATION, New York, N. Y. Filed Dec. 19, 1945. Serial No. 493,532.

Barret

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, WOOL, SILK, RAYON, NYLON, AND PROTEIN FIBERS.
Claims use since July 1944.

426,223. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INTERCALL SYSTEMS, INC., Dayton, Ohio. Filed Dec. 22, 1945. Serial No. 493,775.

INTERCALL

FOR PRIVATE TELEPHONE SYSTEMS WHICH PROVIDE INTERCOMMUNICATION BETWEEN THE DEPARTMENTS, OFFICES OR ROOMS OF A BUSINESS ORGANIZATION OR THE LIKE.
Claims use since December 1936.

426,224. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LAHER SPRING & TIRE CORPORATION, Oakland, Calif. Filed Dec. 22, 1945. Serial No. 493,781.

LAHER

FOR AUTOMOTIVE EQUIPMENT AND ACCESSORIES—NAMELY, BATTERIES.
Claims use since June 1, 1923.

426,225. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SHAKE SHARP RAZOR, INC., Long Island City, N. Y. Filed Dec. 26, 1945. Serial No. 493,897.

Shake Sharp

FOR SAFETY RAZORS.
Claims use since Oct. 5, 1945.

426,226. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) LAWRENCE PRODUCTS CO., Attalla, Ala. Filed Dec. 29, 1945. Serial No. 494,082.

CORDETTE

FOR COTTON RUGS.
Claims use since June 16, 1944.

426,227. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) LEKTROLITE CORPORATION, New York, N. Y. Filed Dec. 29, 1945. Serial No. 494,087.

FILTR KOOL
TRADE MARK

FOR CIGAR AND CIGARETTE HOLDERS AND PIPES.
Claims use since Oct. 23, 1945.

426,228. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) J. E. ANDREWS, doing business as Perfection Window Company, Jacksonville, Fla. Filed Jan. 2, 1946. Serial No. 494,176.

E-Z-OPEN

FOR LUBRICANT AND DRESSING TO BE APPLIED TO WINDOWS, DRAWERS AND THE LIKE TO PREVENT JAMMING OR STICKING, AND TO PERMIT EASY OPENING AND CLOSING THEREOF.
Claims use since June 12, 1941.

426,229. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS). G. W. ONTHANK COMPANY, Des Moines, Iowa. Filed Feb. 11, 1946. Serial No. 496,399.

Onthank's

FOR PREPARATIONS FOR CLEANING AND POLISHING GLASS AND SILVER, HAND CLEANING SOAPS AND METAL POLISHES AND CLEANERS.
Claims use since Jan. 23, 1945.

426,230. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TEXTILE MILLS, Chicago, Ill., assignor to Textile Mills Company, Chicago, Ill., a corporation of Illinois. Filed Feb. 14, 1946. Serial No. 496,583.

burnproof

FOR IRONING BOARD PADS AND COVERS.
Claims use since Sept. 5, 1945.

426,231. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) TAUNTON PEARL WORKS, Taunton, Mass. Filed Feb. 27, 1946. Serial No. 497,351.

None-Slip

FOR MEN'S COLLAR HOLDERS.
Claims use since Oct. 1, 1945.

426,232. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD VIRGINIA PACKING COMPANY, INC., Front Royal, Va. Filed Mar. 14, 1946. Serial No. 498,249.

VIRGINIA ROYAL

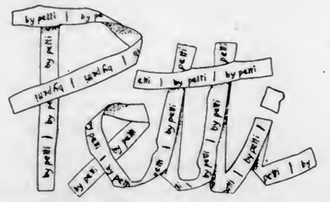
FOR MINCE MEAT.
Claims use since September 1936.

426,233. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DUKAY & COMPANY, INC., New York, N. Y. Filed Mar. 15, 1946. Serial No. 498,276.

Fashion FASHION APPROVED Approved

FOR BUTTONS AND BUCKLES OF MOTHER-OF-PEARL, GLASS, WOOD, CASEIN, NON-PRECIOUS METALS, AND VARIOUS COMPOSITION AND MOLDING MATERIALS.
Claims use since Oct. 8, 1945.

426,234. (CLASS 39. CLOTHING.) RHEA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Apr. 6, 1946. Serial No. 499,803.



FOR WOMEN'S, MISSES', AND JUNIORS' DRESSES, SUITS, SKIRTS, BLOUSES, TWO-PIECE DRESSES, ONE-PIECE SPORT DRESSES, PLAY SUITS AND BATHING SUITS.
Claims use since Nov. 14, 1941.

426,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS I. FRIED, doing business as Fried's Famous Foods and Palmer House Food Products Co., Miami, Fla. Filed Apr. 17, 1946. Serial No. 500,385.

Dēp-Fri

FOR BATTER MIX.
Claims use since July 1945.

426,236. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STA-FIT MANUFACTURING CO., Bayonne, N. J. Filed Apr. 23, 1946. Serial No. 500,778.

STA-FIT

FOR TUBE EXPANDER ADAPTORS.
Claims use since Apr. 30, 1945.

426,237. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) AMERICAN PRODUCTS COMPANY, Dallas, Tex. Filed May 28, 1946. Serial No. 502,869.

Ever-Rite

FOR DOUGH FERMENTATION ROOMS, BREAD COOLERS, DOUGH ROOM CONDITIONERS, PROOFING ROOMS, TWO-IN-ONE COMBINATIONS (DOUGH AND PROOFING ROOMS), THREE-IN-ONE COMBINATIONS (PROOFING ROOM, DOUGH ROOM, AND BREAD COOLER), BAKING OVENS, MECHANICAL AIR CONDITIONER UNITS OPERATED BY ELECTRIC MOTORS, AND FLOUR AND POWDER BLENDERS FOR COMMERCIAL USE.
Claims use since Mar. 1, 1941.

TRADE-MARK REGISTRATIONS RENEWED

28,564. **"EDDY'S" AND DESIGN.** AMMONIA, CATSUP, AND SAUCE. Registered July 7, 1896. EDWARD PRITCHARD, New York, N. Y. Re-renewed July 7, 1946, to E. Pritchard, Inc., Bridgeton, N. J., a corporation of New Jersey. Classes 6 and 46.

53,260. **"VERITABLE BÉNÉDICTINE" ETC. AND DESIGN.** CORDIAL. Registered May 29, 1906. Société Anonyme de la Distillerie de la Liqueur Bénédictine de L'Abbaye de Fécamp. Re-renewed May 29, 1946, to Societe Anonyme de la Benedictine, Distillerie de la Liqueur de L'Ancienne Abbaye de Fecamp, Fecamp, France, a corporation of France. Class 49.

54,966. **SALAMAC.** AMMONIUM CHLORID. Registered Aug. 7, 1906. BRUNNER, MOND & CO., LIMITED, Northwich, England. Re-renewed Aug. 7, 1946, to I. C. I. (Alkali), Limited, Slough, Buckinghamshire, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 6.

54,990. **"JAMES COCKLE" ETC.** MEDICAL PREPARATION IN PILL FORM FOR DISEASES OF THE DIGESTIVE TRACT AND ITS ACCESSORY ORGANS. Registered Aug. 7, 1906. JAMES COCKLE & CO. Re-renewed Aug. 7, 1946, to James Cockle & Co., Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 6.

55,110. **"BRADES CO." ETC. AND DESIGN.** TROWELS OF ALL KINDS. Registered Aug. 7, 1906. WILLIAM HUNT & SONS, THE BRADES, LIMITED, BRADES STEEL WORKS, near Birmingham, England. Re-renewed Aug. 7, 1946, to William Hunt & Sons, The Brades, Limited, Oldbury, near Birmingham, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 23.

55,111. **"W H S" ETC.** TROWELS OF ALL KINDS. Registered Aug. 7, 1906. WILLIAM HUNT & SONS, THE BRADES, LIMITED, BRADES STEEL WORKS, near Birmingham, England. Re-renewed Aug. 7, 1946, to William Hunt & Sons, The Brades, Limited, Oldbury, near Birmingham, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 23.

55,243. **"HELIX" ETC. AND DRAWING.** NEEDLES FOR HAND-SEWING. Registered Aug. 7, 1906. HENRY MILWARD & SONS, LIMITED, Redditch, England. Re-renewed Aug. 7, 1946, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England, a company of England. Class 40.

55,267. **"HUNTLEY & PALMERS" ETC. AND DESIGN.** BISCUITS. Registered Aug. 14, 1906. HUNTLEY & PALMERS, LTD., Reading, England. Re-renewed Aug. 14, 1946, to Huntley & Palmers, Limited, Reading and London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 46.

55,379. **REPRESENTATION OF A SMOKER'S PIPE.** RAZORS. Registered Aug. 14, 1906. GEORGE WOSTENHOLM & SON, LIMITED, Sheffield, England, and New York, N. Y. Re-renewed Aug. 14, 1946, to George Wostenholm & Son, Limited, Sheffield, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 23.

57,436. **DIAMOND.** WASHBOARDS. Registered Nov. 13, 1906. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Re-renewed Nov. 13, 1946, to The National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia. Class 24.

57,526. **RED CROSS.** WASHBOARDS. Registered Nov. 13, 1906. THE AMERICAN WASHBOARD COMPANY, Cleveland, Ohio. Re-renewed Nov. 13, 1946, to The National Washboard Company, Chicago, Ill., and Saginaw, Mich., a corporation of West Virginia. Class 24.

57,902. **TEXACO.** CERTAIN NAMED PETROLEUM PRODUCTS. Registered Dec. 4, 1906. THE TEXAS COMPANY, Beaumont, Tex. Re-renewed Dec. 4, 1946, to The Texas Company, New York, N. Y., a corporation of Delaware. Class 15.

57,995. **ORANGE EXTRA.** GUNPOWDER. Registered Dec. 4, 1906. LAFLIN & RAND POWDER COMPANY, New York, N. Y. Re-renewed Dec. 4, 1946, to Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Class 9.

58,022. **LAFLIN & RAND.** EXPLOSIVE POWDER, INCLUDING SMOKELESS POWDER. Registered Dec. 4, 1906. LAFLIN & RAND POWDER COMPANY, New York, N. Y. Re-renewed Dec. 4, 1946, to Hercules Powder Company, Wilmington, Del., a corporation of Delaware. Class 9.

58,294. **LETTER "B" IN A STAR.** CERTAIN NAMED JEWELRY. Registered Dec. 11, 1906. B. A. BALLOU & COMPANY. Re-renewed Dec. 11, 1946, to B. A. Ballou & Co. Incorporated, Providence, R. I., a corporation of Rhode Island. Class 28.

58,609. **ALLIGATOR.** MOLASSES, SYRUP, AND SORGHUM. Registered Dec. 18, 1906. NEW ORLEANS COFFEE CO. LIMT., New Orleans, La. Re-renewed Dec. 18, 1946, to Penick & Ford, Ltd., Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

58,643. **"I WANT SOME MORE" ETC. AND DRAWING.** FLOURS AND SELF-RAISING FLOURS, AND CERTAIN NAMED CEREAL FOODS. Registered Dec. 18, 1906. THE H-O (HORNBY'S OATMEAL) COMPANY. Re-renewed Dec. 18, 1946, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Class 46.

58,656. **LA CREAM.** MOLASSES, SYRUP AND SORGHUM. Registered Dec. 18, 1906. NEW ORLEANS COFFEE CO. LMD., New Orleans, La. Re-renewed Dec. 18, 1946, to Penick & Ford, Ltd., Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

58,657. **SWEET LAD.** MOLASSES, SYRUP AND SORGHUM. Registered Dec. 18, 1906. NEW ORLEANS COFFEE CO. LMTD., New Orleans, La. Re-renewed Dec. 18, 1946, to Penick & Ford, Ltd., Incorporated, New York, N. Y., a corporation of Delaware. Class 46.

58,668. **"KANGAROO" AND DRAWING.** PAPER BAGS. Registered Dec. 18, 1906. THE UNION BAG & PAPER COMPANY. Re-renewed Dec. 18, 1946, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Class 2.

58,771. **"GENUINE SANFORD'S GINGER" ETC.** A PREPARATION OF PURE JAMAICA GINGER COMBINED WITH CHOICE AROMATIC AND GENUINE FRENCH BRANDY. Registered Dec. 25, 1906. POTTER DRUG & CHEMICAL CORPORATION, Portland, Maine, and Boston, Mass. Re-renewed Dec. 25, 1946, to Potter Drug & Chemical Corporation, Malden, Mass., a corporation of Maine. Class 6.

58,811. **DR. H. B. ADAMS.** REMEDY FOR INFLUENZA AND GRIPPE. Registered Dec. 25, 1906. THE SYDNEY Ross Co., New York, N. Y. Re-renewed Dec. 25, 1946, to The Sydney Ross Co., Newark, N. J., a corporation of New Jersey. Class 6.

58,856. **"GARFIELD" AND PORTRAIT.** PLASTERS AND CERTAIN NAMED MEDICINES. Registered Dec. 25, 1906. GARFIELD TEA CO., New York, N. Y. Re-renewed Dec. 25, 1946, to Garfield Tea Company, Brooklyn, N. Y., a corporation of New York. Class 6.

58,976. **"CREAM CITY" ETC. AND DESIGN.** PIECED, AND ANTIRUST TINWARE, AND STAMPED, JAPANNED, GALVANIZED, AND ENAMELED, SHEET-METAL WARE. Registered Dec. 25, 1906. GEUDER & PAESCHKE MANUFACTURING COMPANY. Re-renewed Dec. 25, 1946, to Geuder Paeschke & Frey Co., Milwaukee, Wis., a corporation of Wisconsin. Class 13.

58,984. **"BEE BRAND" AND DRAWING.** TEAS. Registered Dec. 25, 1906. MCCORMICK & CO., INCORPORATED, Baltimore, Md., a corporation of Maryland. Re-renewed Dec. 25, 1946. Class 46.

58,998. **CALIFORNIA FRUIT.** CHEWING-GUM. Registered Dec. 25, 1906. AMERICAN CHICLE CO., New York, N. Y. Re-renewed Dec. 25, 1946. American Chicle Company, Long Island City, N. Y., a corporation of New Jersey. Class 46.

59,152. **"APEX CALF" ETC. AND DESIGN.** CHROME-TANNED CALF. Registered Jan. 1, 1907. BECKWITH & HITEMAN BROS. Re-renewed Jan. 1, 1947, to Hiteman Leather Company, Incorporated, West Winfield, N. Y., a corporation of New York. Class 1.

59,292. **ZEMA-SALVA.** OINTMENT FOR SKIN DISEASES. Registered Jan. 1, 1907. KIRBY CHEMICAL COMPANY. Re-renewed Jan. 1, 1947, to Mary W. Kirby, Grand Haven, Mich. Class 6.

192,519. **"IT'S DUTCH" AND DRAWING.** COCOA. Registered Dec. 9, 1924. HOLLANDSCHE CACAO-EN CHOCOLADEFABRIEKEN v/H BENSDORP & Co., Amsterdam, Netherlands. Renewed Dec. 9, 1944, to Bensdorp n/v, Bussum, Holland, a corporation of the Netherlands. Class 46.

194,126. **"BENSDORP'S ROYAL DUTCH COCOA" AND DRAWING.** COCOA. Registered Jan. 13, 1925. HOLLANDSCHE CACAO-EN CHOCOLADEFABRIEKEN v/H BENSDORP & Co., Amsterdam, Netherlands. Renewed Jan. 13, 1945, to Bensdorp n/v, Bussum, Holland, a corporation of Netherlands. Class 46.

211,077. **SAINT-ANGE.** CERTAIN COSMETICS. Registered Apr. 6, 1926. SOCIETE NOUVELLE DE PARFUMERIE, SOCIETE ANONYME, Paris, France, a corporation of France. Renewed Apr. 6, 1946. Class 6.

211,215. **"CORN-OFF".** REMEDY FOR CORNS, CALLI, AND BUNIONS. Registered Apr. 6, 1926. "CORN-OFF" Co. Renewed Apr. 6, 1946, to Whitney B. Corner, doing business as Corn Off Company, Los Angeles, Calif. Class 6.

213,007. **THE O. K. CHEMICAL DRY-CLEANING FLUID.** DRY CLEANING FLUIDS. Registered May 18, 1926. D. BLUM & Co. Renewed May 18, 1946, to D. Blum & Co., Inc., New York, N. Y., a corporation of New York. Class 4.

214,654. **"BLUE HILL" AND DRAWING.** CANDIES. Registered June 29, 1926. BLUE HILL CANDY CO., St. Louis, Mo., a firm. Renewed June 29, 1946. Class 46.

214,816. **"EDDYS".** WORCESTERSHIRE SAUCE, JELLIES, FLAVORING EXTRACTS FOR FOODS, AND MALT AND APPLE VINEGAR. Registered July 6, 1926. EDWARD PRITCHARD, New York, N. Y. Renewed July 6, 1946, to E. Pritchard, Inc., Bridgeton, N. J., a corporation of New Jersey. Class 46.

214,921. **ARROW WHITE ROCK.** RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Registered July 6, 1926. HOOD RUBBER COMPANY, Watertown, Mass. Renewed July 6, 1946, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York. Class 39.

214,922. **ARROW.** RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLE CANVAS SHOES. Registered July 6, 1926. HOOD RUBBER COMPANY, Watertown, N. Y. Renewed July 6, 1946, to The B. F. Goodrich Company, New York, N. Y., a corporation of New York. Class 39.

214,946. **THE AMERICAN GIRL.** MONTHLY MAGAZINE. Registered July 6, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 6, 1946. Class 38.

215,219. **TEXROPE.** POWER-TRANSMISSION MACHINERY COMPRISING BELT DRIVES CONSISTING OF ROTARY, DRIVING, AND DRIVEN GROOVED SHEAVES HAVING FLEXIBLE ENDLESS DRIVING BELTS COOPERATING WITH THE GROOVES THEREOF TO TRANSMIT ROTARY MOTION FROM ONE SHEAVE TO THE OTHER. Registered July 13, 1926. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis., a corporation of Delaware. Renewed July 13, 1946. Class 23.

215,844. **WPT.** SCARFS AND NECKTIES. Registered July 27, 1926. WALTER P. TAYLOR, New York, N. Y. Renewed July 27, 1946. Class 39.

216,162. **SO-BIG!** CANDIES. Registered Aug. 3, 1926. BLUE HILL CANDY CO., St. Louis, Mo., a firm. Renewed Aug. 3, 1946. Class 46.

216,199. **"BAY STATE BRAND" AND DESIGN.** INK RIBBONS AND CARBON PAPER. Registered Aug. 3, 1926. CRESCENT TYPEWRITER SUPPLY COMPANY, Portland, Maine, and Boston, Mass. Renewed Aug. 3, 1946, to F. S. Webster Company, Cambridge, Mass., a corporation of Massachusetts. Class 11.

216,283. **ANKORITE.** METALLIC FENCE POSTS. Registered Aug. 10, 1926. CALUMET STEEL COMPANY. Renewed Aug. 10, 1946, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Class 13.

216,307. **SELSI.** TELESCOPES AND FIELD GLASSES. Registered Aug. 10, 1926. SUSSFELD, LORSCH & SCHIMMEL. Renewed Aug. 10, 1946, to Selsi Company, Inc., New York, N. Y., a corporation of New York. Class 26.

216,574. **PICTURE OF A GIRL.** MACARONI. Registered Aug. 17, 1926. THE CREAMETTE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed Aug. 17, 1946. Class 46.

216,735. **WESTERN CANNER AND PACKER.** MONTHLY TRADE NEWSPAPER. Registered Aug. 17, 1926. ROLDO MORTIMER WOOD. Renewed Aug. 17, 1946, to Miller Freeman Publications of California, San Francisco, Calif., a corporation of California. Class 38.

216,745. **"WILLCLAR" AND DESIGN.** BANJOS, BANJO UKULELES, BOWS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS, CLARINETS, CLARINET REEDS, AND CERTAIN OTHER NAMED MUSICAL INSTRUMENTS AND SUPPLIES. Registered Aug. 17, 1926. PEATES MUSIC HOUSE, INCORPORATED. Renewed Aug. 17, 1946, to Harry M. Williams, doing business as Peate's Music House, Utica, N. Y. Class 86.

216,950. **5700.** LOCKS, PARTICULARLY LOCKS FOR SAFETY DEPOSIT BOXES. Registered Aug. 24, 1926. THE MOSLER LOCK COMPANY, Covington, Ky., a corporation of Ohio. Renewed Aug. 24, 1946. Class 25.

217,429. **PULMOSAN.** NOSE AND MOUTH RESPIRATORS, GOGGLE RESPIRATORS PROTECTING EYES, NOSE, AND MOUTH, SAND-BLAST HELMETS, WELDING HELMETS, BAG-HOUSE HELMETS, DUST HOODS, FACE MASKS, ACID MASKS, BABBITTING MASKS, CHIPPING MASKS, PURE-AIR MASKS, AND PURE-AIR RESPIRATORS. Registered Aug. 31, 1926. PULMOSAN SAFETY EQUIPMENT CO. Renewed Aug. 31, 1946, to Pulmosan Safety Equipment Corporation, Brooklyn, N. Y., a corporation of New York. Class 44.

217,614. **PETERKIN.** CHILDREN'S COATS, DRESSES, ROMPERS, APRONS, PLAY TOGS, BATH ROBES, SWEATERS, AND SACKS. Registered Sept. 7, 1926. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed Sept. 7, 1946. Class 39.

217,690. **TIK TAK PRINTS.** COTTON, SILK, ARTIFICIAL-SILK, WOOL, MIXTURE OF WOOL AND SILK, MIXTURE OF COTTON AND SILK PIECE GOODS. Registered Sept. 7, 1926. MARVLO MILLS, INC. Renewed Sept. 7, 1946, to Marvlo Fabrics, Inc., New York, N. Y., a corporation of New York. Class 42.

217,771. **WENDY.** CHILDREN'S COATS, DRESSES, ROMPERS, APRONS, PLAY TOGS, BATH ROBES, SWEATERS, AND SACKS. Registered Sept. 7, 1926. R. H. MACY & CO. INC., New York, N. Y., a corporation of New York. Renewed Sept. 7, 1946. Class 39.

218,056. **SLENDA-LINE.** COATS, SUITS, DRESSES, AND LINGERIE FOR WOMEN. Registered Sept. 21, 1926. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 39.

218,380. **SPRING BLOSSOMS.** HAND LOTIONS, PERFUMES, TOILET WATERS, FACE CREAMS, FACE POWDERS, BRILLIANTINE, AND TALCUM POWDERS. Registered Sept. 28, 1926. NELSON, BAKER & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Sept. 28, 1946. Class 6.

218,486. **MONEX.** ACCELERATORS OF THE VULCANIZATION OF RUBBER AND LIKE MATERIALS. Registered Sept. 28, 1926. THE NAUGATUCK CHEMICAL COMPANY. Renewed Sept. 28, 1946, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 6.

218,627. **"JUNIOR DEB".** CORSETS, BRASSIÈRES, AND LINGERIE. Registered Sept. 28, 1926. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed Sept. 28, 1946. Class 39.

218,632. **THE QUALITY GROCER.** MAGAZINE PUBLISHED TWELVE TIMES A YEAR. Registered Sept. 28, 1926. QUALITY BAKERS OF AMERICA, New York, N. Y., an unincorporated association. Renewed Sept. 28, 1946. Class 38.

219,329. **BIG 8.** OVERALLS AND OVERALL COATS. Registered Oct. 19, 1926. WASHINGTON MANUFACTURING Co., Nashville, Tenn., a corporation of Tennessee. Renewed Oct. 19, 1946. Class 39.

219,845. **HOME RUN.** BASEBALL BATS. Registered Oct. 26, 1926. HILLERICH & BRADSBY Co., Louisville, Ky., a corporation of Kentucky. Renewed Oct. 26, 1946. Class 22.

219,869. **ONE FOR THREE.** CLEANSER FOR WHITE FABRICS, PARTICULARLY KID, BUCK, AND CANVAS SHOES, AND FOR BELTS, LEGGINGS, AND THE LIKE. Registered Oct. 26, 1926. GEO. E. KEITH COMPANY, Brockton, Mass., a corporation of Massachusetts. Renewed Oct. 26, 1946. Class 4.

220,342. **"D" WITHIN A SQUARE.** FARD DATES. Registered Nov. 9, 1926. THE HILL BROTHERS COMPANY, New York, N. Y., a corporation of New York. Renewed Nov. 9, 1946. Class 46.

220,558. **"DUR-NOK" AND DESIGN.** GLASS TUMBLERS. Registered Nov. 9, 1926. ALBERT PICK & COMPANY. Renewed Nov. 9, 1946, to Albert Pick Co. Inc., Chicago, Ill., a corporation of Delaware. Class 33.

220,721. **VELVET.** NUT SALADS AND CRUSHED FRUITS IN SIRUP, CRUSHED NUTS IN SIRUP, SHELLED CRUSHED NUTS IN THEIR NATURAL STATE, AND CHOCOLATE SIRUP FOR FOOD PURPOSES, BOTH CONCENTRATED AND PLAIN. Registered Nov. 16, 1926. THE INTERNATIONAL COMPANY. Renewed Nov. 16, 1946, to The C. M. Pitt & Sons Company, Baltimore, Md., a corporation of Maryland. Class 46.

221,019. **"BROMILL" AND DESIGN.** COMPOSITION FOR TREATING PILES. Registered Nov. 23, 1926. WILLIAM F. BROCKETT, doing business as Brockett Remedy Co., Dodge City, Kans. Renewed Nov. 23, 1946. Class 6.

221,041. **"HEINZ" ETC. AND DRAWING.** CERTAIN NAMED FOOD PRODUCTS. Registered Nov. 23, 1926. H. J. HEINZ COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Nov. 23, 1946. Class 46.

221,126. **"GRIFFON BONDED BLUE" AND DESIGN.** COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. Registered Nov. 23, 1926. L. GREIF & BRO., INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed Nov. 23, 1946. Class 39.

221,219. **COLTEX.** CERTAIN NAMED PIECE GOODS. Registered Nov. 23, 1926. NATIONAL FABRIC AND FINISHING COMPANY, Boston, Mass. Renewed Nov. 23, 1946, to Turner Halsey Co., New York, N. Y., a corporation of New York. Class 42.

221,272. **RAINMASTER PRODUCTS CO.** LIQUID AND PLASTIC ROOF CEMENTS, ROOF PAINT, WATERPROOF DECK PAINT, OUTSIDE PAINTS, AND VARNISHES. Registered Nov. 23, 1926. FRANK B. HAPP, Albany, N. Y. Renewed Nov. 23, 1946. Class 16.

221,333. **SUNNYDALE FOULARD.** COTTON, SILK, ARTIFICIAL SILK, WOOL, MIXTURE OF WOOL AND SILK, MIXTURE OF COTTON AND SILK PIECE GOODS. Registered Nov. 30, 1926. MARVLO MILLS, INC. Renewed Nov. 30, 1946, to Marvlo Fabrics, Inc., New York, N. Y., a corporation of New York. Class 42.

221,336. **KIS-KO.** MEDICINAL PREPARATION USED AS A BLOOD PURIFIER. Registered Nov. 30, 1926. PLOUGH CHEMICAL COMPANY, doing business as The Gerstle Medicine Co. Renewed Nov. 30, 1946, to Plough, Inc., Memphis, Tenn., a corporation of Delaware. Class 6.

221,414. **VELVET WHITE.** EGGWHITE PREPARATION IN POWDERED FORM FOR MAKING CAKES, CANDIES, ICINGS, AND MERINGUES. Registered Nov. 30, 1926. THE INTERNATIONAL COMPANY. Renewed Nov. 30, 1946, to The C. M. Pitt & Sons Company, Baltimore, Md., a corporation of Maryland. Class 46.

221,424. **G.F.P.** VEGETABLE COMPOUND IN LIQUID FORM FOR TREATMENT OF WOMEN'S AILMENTS. Registered Nov. 30, 1926. PLOUGH CHEMICAL COMPANY, doing business as Gerstle Medicine Co. Renewed Nov. 30, 1946, to Plough, Inc., Memphis, Tenn., a corporation of Delaware. Class 6.

221,446. **"CHENILLE ART" AND DESIGN.** TOWELS, WASH CLOTHS, RUGS, BEDSPREADS MADE WHOLLY OF COTTON CHENILLE OR PARTLY OF COTTON CHENILLE IN COMBINATION WITH OTHER FABRICS. Registered Nov. 30, 1926. FELIX TAUSEND. Renewed Nov. 30, 1946, to Felix Tausend & Sons, New York, N. Y., a partnership. Class 42.

221,684. **QUIX.** MEDICATED CORN, BUNION, AND CALLUS PADS AND PLASTERS. Registered Dec. 7, 1926. E. G. CISLE. Renewed Dec. 7, 1946, to Quix Laboratories, Inc., Chicago, Ill., a corporation of Illinois. Class 6.

221,699. **LETTER "C" IN A CIRCLE.** THERMIONIC DETECTOR, AMPLIFIER, AND OSCILLATOR TUBES. Registered Dec. 7, 1926. E. T. CUNNINGHAM, INC. Renewed Dec. 7, 1946, to Radio Corporation of America, New York, N. Y., a corporation of Delaware. Class 21.

221,729. **REPRESENTATION OF A SWAN.** CHINA CUPS AND SAUCERS. Registered Dec. 7, 1926. WAPLES-PLATTER GROCER Co. Renewed Dec. 7, 1946, to Waples-Platter Company, Fort Worth, Tex., a corporation of Texas. Class 30.

221,756. **ROYAL ORCHARD.** FRESH DECIDUOUS FRUITS, PARTICULARLY CHERRIES, PLUMS, PEARS. Registered Dec. 7, 1926. BECKMAN BOYD GREEN, Courtland, Calif. Renewed Dec. 7, 1946. Class 46.

221,812. **CAMEO.** CORN SUGAR. Registered Dec. 14, 1926. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill., a corporation of Delaware. Renewed Dec. 14, 1946. Class 46.

221,870. **KREME SKIN.** LEATHER GLOVES. Registered Dec. 14, 1926. THE NATIONAL GLOVE COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed Dec. 14, 1946. Class 39.

221,900. **"JEMCO" AND DESIGN.** HAIR NETS. Registered Dec. 14, 1926. JORDAN MARSH COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed Dec. 14, 1946. Class 42.

222,066. **REPRESENTATION OF TARGET WITH ARROW THROUGH BULL'S EYE.** STOCK FEED. Registered Dec. 21, 1926. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill., a corporation of Delaware. Renewed Dec. 21, 1946. Class 46.

222,098. **ZAMAK.** ZINC-BASE ALLOY. Registered Dec. 21, 1926. THE NEW JERSEY ZINC COMPANY, Newark and Franklin, N. J. Renewed Dec. 21, 1946, to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey. Class 14.

222,100. **TAB FAB CHINTZ.** COTTON, SILK, ARTIFICIAL-SILK, WOOL, MIXTURE OF WOOL AND SILK, MIXTURE OF COTTON AND SILK PIECE GOODS. Registered Dec. 21, 1926. MARVLO MILLS, INC. Renewed Dec. 21, 1946, to Marvlo Fabrics, Inc., New York, N. Y., a corporation of New York. Class 42.

222,114. **"SOAP SPECKS" AND DESIGN.** BIMONTHLY MAGAZINE. Registered Dec. 21, 1926. THE DAVIES-YOUNG SOAP COMPANY, Dayton, Ohio, a corporation of Ohio. Renewed Dec. 21, 1946. Class 38.

222,148. **PICKWICK.** PENCILS AND SCHOOL TABLETS AND TOILET PAPER. Registered Dec. 21, 1926. KANSAS CITY WHOLESALE GROCERY Co. Renewed Dec. 21, 1946, to Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri. Class 37.

222,155. **ALL-WEAR.** OVERALL JUMPERS, WORK SHIRTS, WORK PANTS, WORK COATS, FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SUITS. Registered Dec. 21, 1926. WASHINGTON MANUFACTURING Co., Nashville, Tenn., a corporation of Tennessee. Renewed Dec. 21, 1946. Class 39.

222,211. **WILLIAMS OIL-O-MATIC HEATING.** LIQUID-FUEL-BURNING DEVICES. Registered Dec. 28, 1926. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Renewed Dec. 28, 1946, to Eureka Williams Corporation, Detroit, Mich., a corporation of Michigan. Class 34.

222,221. **BYE-LO.** HOSIERY. Registered Dec. 28, 1926. NATIONAL TEXTILE DISTRIBUTERS CORPORATION, New York, N. Y. Renewed Dec. 28, 1946, to The Krolik Corporation, Detroit, Mich., a corporation of Michigan. Class 39.

222,255. **HOUGHTO-CLEAN.** COMPOUND IN DRY GRANULATED FORM FOR ALL CLEANSING PURPOSES. Registered Dec. 28, 1926. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 28, 1946. Class 4.

222,256. **STAND-BY.** WHEAT FLOUR. Registered Dec. 28, 1926. THE COLORADO MILLING & ELEVATOR Co., Denver, Colo., a corporation of Colorado. Renewed Dec. 28, 1946. Class 46.

222,257. **SILVER COIN.** WHEAT FLOUR. Registered Dec. 28, 1926. THE COLORADO MILLING & ELEVATOR Co., Denver, Colo., a corporation of Colorado. Renewed Dec. 28, 1946. Class 46.

222,269. **SUR LA TERRE ENDORMIE.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, POWDER COMPACT, ROUGE COMPACT, DUSTING POWDER, LOTIONS FOR THE SKIN AND HAIR, LIP STICKS, SACHET, COLD CREAMS, VEGETAL. Registered Dec. 28, 1926. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed Dec. 28, 1946. Class 6.

222,305. **CHARTER.** RUBBER TIRES AND INNER TUBES. Registered Dec. 28, 1926. THE GATES RUBBER COMPANY, Denver, Colo., a corporation of Colorado. Renewed Dec. 28, 1946. Class 35.

222,321. **FORD.** COAL AND CHARCOAL BRIQUETTES. Registered Dec. 28, 1926. FORD MOTOR COMPANY, Highland Park, Mich. Renewed Dec. 28, 1946, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. Class 1.

222,331. **PARK AVENUE.** SILK HOSIERY. Registered Dec. 28, 1926. THE SIMON'S CO. INC., New York, N. Y., a corporation of New York. Renewed Dec. 28, 1946. Class 39.

222,333. **THE BEACON.** RELIGIOUS AND EDUCATIONAL PERIODICAL. Registered Dec. 28, 1926. THE BEACON PRESS, INC., Boston, Mass., a corporation of Massachusetts. Renewed Dec. 28, 1946. Class 38.

222,347. **WINDMILL.** CANNED CORN, CANNED PEACHES, CANNED SALMON, FOOD SIRUP, RICE, RAISINS, EVAPORATED RASPBERRIES, EVAPORATED PEACHES, MACARONI, TEA, COFFEE, PICKLES, OLIVES, VINEGAR, PEANUT BUTTER. Registered Dec. 28, 1926. PAXTON & GALLAGHER Co., Omaha, Nebr., a corporation of Nebraska. Renewed Dec. 28, 1946. Class 46.

222,349. **REMOVOIL.** CLEANING AND POLISHING PREPARATION FOR REMOVING SURFACE STAINS. Registered Dec. 28, 1926. MASURY-YOUNG COMPANY, Charlestown, Mass., a corporation of Massachusetts. Renewed Dec. 28, 1946. Class 4.

222,350. **TWEED BRIGGAN.** RAYON IN THE PIECE AND KNITTED AND WOVEN SILKS, COTTON, ARTIFICIAL SILKS, AND MIXTURES THEREOF. Registered Dec. 28, 1926. CHOPAK TEXTILE COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Dec. 28, 1946. Class 42.

222,352. **PRIDE OF THE FARM.** CATCHUP, CHILI SAUCE, AND RELISH MADE OF CABBAGE, PICKLES, SPICES, AND VINEGAR. Registered Dec. 28, 1926. E. PRITCHARD, INC., Bridgeton, N. J., a corporation of New Jersey. Renewed Dec. 28, 1946. Class 46.

222,455. **REPRESENTATION OF ROLL WABBLERS PAINTED GREEN.** ROLLING-MILL ROLLS. Registered Jan. 4, 1927. UNITED ENGINEERING AND FOUNDRY COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Jan. 4, 1947. Class 23.

222,555. **PRINCESS.** COTTON PIECE GOODS—VIZ, GRAY GOODS. Registered Jan. 4, 1927. SPARTAN MILLS, Spartanburg, S. C., a corporation of South Carolina. Renewed Jan. 4, 1947. Class 42.

222,592. **PLASMOCHIN.** PREPARATIONS FOR THE TREATMENT OF MALARIA. Registered Jan. 4, 1927. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen, near Cologne-on-the-Rhine, Germany. Renewed Jan. 4, 1947, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York. Class 6.

222,612. **"VERSALITE".** SOFTENING MATERIAL WHICH IS A MANUFACTURED MINERAL USED AS A WATER SOFTENER. Registered Jan. 4, 1927. AUGUST A. MEYER, doing business as Universal Water Softener Co. (Not Inc.), Maywood, Ill. Renewed Jan. 4, 1947. Class 6.

REISSUES

DECEMBER 17, 1946

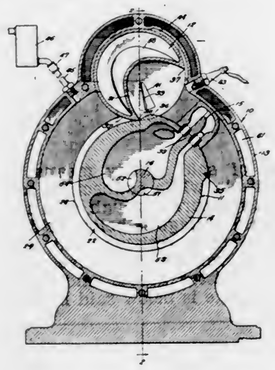
22,818

EXPANSIBLE CHAMBER MOTOR OF THE ROTARY ABUTMENT TYPE

Frank Berry, Corinth, Miss.

Original No. 2,297,529, dated September 29, 1942, Serial No. 372,923, January 2, 1941. Application for reissue September 27, 1943, Serial No. 504,001

6 Claims. (Cl. 123—13)



3. In a device of the class described, in combination, a rotor mounted on a shaft for rotation between spaced casing walls having a radius from the said shaft greater than the radius of the rotor to form an annular channel of predetermined transverse width, the said spaced casing walls terminating in outwardly disposed shoulders to form an enlarged annular passage of a transverse width greater than the said predetermined width of the annular channel, the said rotor being provided with a piston slidably disposed within the said enlarged annular passage, a cylindrical abutment mounted for rotation in a chamber provided in the said casing walls, the said abutment chamber being located relatively to the said rotor to dispose the said rotary abutment in tangential relation to the said rotor, the said outwardly disposed shoulders of the spaced casing walls being provided with a pair of aligned arcuate recesses for the rotary abutment, the said rotary abutment having an opening for clearance of the said rotor piston forming a leading edge and a trailing edge in the abutment, means for admitting a fluid power charge intermediate the abutment opening and the piston when the piston is brought to a predetermined position in the movement of the rotor, a peripheral projection on the rotor at its said piston having a trailing portion relative thereto, said portion having a sealing surface area extending from a high point at the said outwardly disposed shoulders of the spaced casing walls to a low point at the juncture with the rotor, the trailing edge of the abutment making initial contact with the said arcuate recesses and with the said high point of the sealing surface area to form a pressure seal concurrently with the positioning of the piston inside the abutment opening and close to the trailing wall of the abutment, to decrease the space available for receiving the fluid charge.

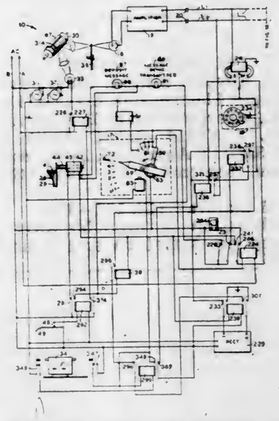
22,819

FACSIMILE TELEGRAPH SYSTEM AND APPARATUS

Garvice H. Ridings, Summit, and Raleigh J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Original No. 2,386,263, dated October 9, 1945, Serial No. 445,690, June 4, 1942. Application for reissue July 18, 1946, Serial No. 684,420

19 Claims. (Cl. 178—6.6)



1. In a facsimile telegraph system, a transmitter, a plurality of recorders, a communication circuit for providing facsimile communication between said transmitter and said recorders, selective means one at each of said recorders responsive to a predetermined coded calling signal for placing the recorder associated therewith in operative condition for facsimile reception, and means at said transmitter for initiating transmission of a message to a recorder when it is selectively placed in operation.

22,820

AUTOMATIC TELEPHONE SYSTEM

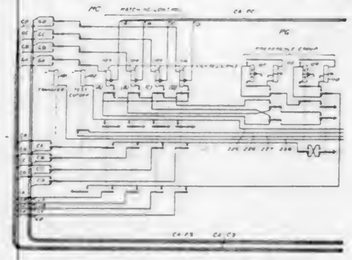
Norman H. Saunders, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois

Original No. 2,333,744, dated November 9, 1943, Serial No. 429,232, February 2, 1942. Application for reissue September 9, 1944, Serial No. 553,483

46 Claims. (Cl. 179—17)

1. In a telephone system, a group of telephone lines, a group of link circuits serving said lines when called, each link circuit having an originating end and a terminating end, switching means for connecting the originating end of any one of said link circuits with a calling line and for connecting the terminating end with a desired called one of said lines, test equipment common to all said link circuits, means for rendering said test equipment temporarily individual to any one of said link circuits during the process of setting up a connection through such link circuit, and

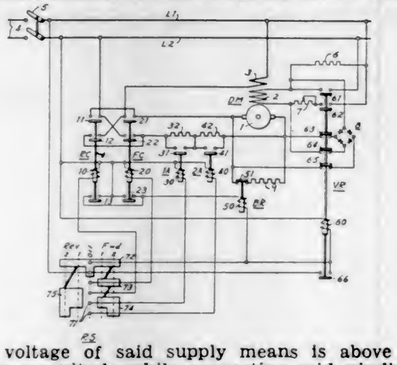
means in each link circuit controlled from said common test equipment depending upon the



called line being also the calling line for correspondingly conditioning the link circuit.

22,821
CONTROL SYSTEM
Frederick D. Snyder, Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original No. 2,397,214, dated March 26, 1946, Serial No. 551,117, August 25, 1944. Application for reissue September 10, 1946, Serial No. 695,833
5 Claims. (Cl. 172—179)

4. In combination, a reversible direct-current motor having an armature and a shunt field winding, direct-current supply means, controllable circuit means for selectively energizing said armature from said supply means for operation in both directions respectively, energizing means for said winding, a rectifier circuit, a voltage responsive relay disposed for connecting said winding to said energizing means when

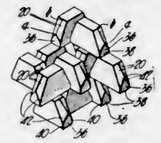


the voltage of said supply means is above a given magnitude while connecting said winding across said armature through said rectifier circuit when said voltage is below said magnitude, a dynamic braking resistor, and a relay controlled by said voltage responsive relay for connecting said resistor across said armature only when said voltage is below said magnitude.

PATENTS

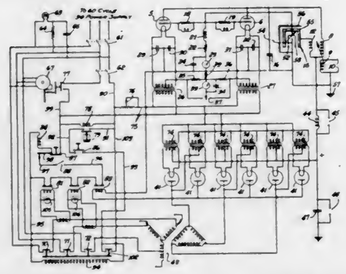
GRANTED DECEMBER 17, 1924

2,412,552
HEAT EXCHANGER
David C. Affleck, Hammond, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application June 6, 1945, Serial No. 597,907
4 Claims. (Cl. 263—51)



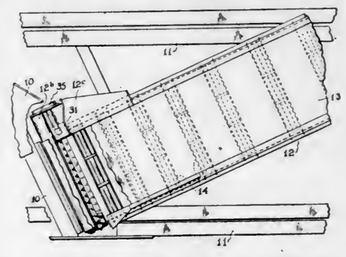
1. A heat exchanger including checkerwork comprising a multiplicity of substantially identical bricks laid up in vertically spaced courses, each course including adjacent bricks perpendicular to each other and forming a multiplicity of flues, each brick having parallel top and bottom horizontal rectangular faces and parallel vertical side faces, each bottom face being materially greater in area that each top face, each end of each brick comprising a lower upright portion perpendicular to the bottom and a peaked top portion and two oppositely inclined faces starting at said peaked top portion and extending toward the top face of the brick.

2,412,553
HIGH-FREQUENCY POWER GENERATOR
Frederick G. Albin, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1943, Serial No. 492,248
18 Claims. (Cl. 250—36)



3. In a system for generating high frequency oscillations, the combination of a vacuum tube having an anode, cathode, and a grid, a low frequency energy source for heating said cathode, a rectifier for obtaining direct current energy for said anode from said source, a tuned circuit connected to said vacuum tube, said circuit including a tuning inductor connected to said anode, a fixed tuning condenser connected between said anode and cathode of said tube, and a variable sectioned condenser connected between said cathode and said inductor for varying the feedback between the output and input of said vacuum tube while maintaining the over-all capacitance of said tuning condenser at a substantially fixed value, said variable sectioned condenser including a fixed plate connected to said cathode, a fixed plate connected to said anode through said tuning inductor, and a movable plate intermediate said fixed plates connected to said grid.

2,412,554
PULLEY CLEANING CONSTRUCTION
Raymond Q. Armington, Shaker Heights, Ohio, assignor to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application June 6, 1945, Serial No. 597,793
2 Claims. (Cl. 198—229)

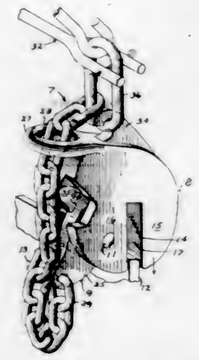


1. In combination with a conveyor and a rotatable pulley over which said conveyor passes, a dirt pan adjacent said pulley, said pan being a major circumferential portion of a hollow cylinder positioned with its axis parallel to the axis of said pulley and with an open side of said cylinder substantially tangential to said pulley on a side of the latter which rotates downwardly toward said pan, a scraper blade of spring metal resiliently engaging said pulley on said side thereof, said blade connected with the open side of said cylindrical pan, a helical spring in said pan extending longitudinally thereof, said spring substantially conforming to the inner walls of said pan, said pan having an open end, and means for rotating said spring in a direction to carry dirt out said open end of said pan, said last named means having an operative connection with said pulley to provide driving means therefor.

2,412,555
PLATE GRAPPLE
Charles E. Baker, Oakland, Calif.
Application October 27, 1943, Serial No. 507,807
5 Claims. (Cl. 294—104)

5. In a plate-lifting grapple or the like for support from a hoist line, a unitary support member providing an abutment against which a plate to be lifted may be pressed and providing an eye spaced from the plane of the abutment, a second support member pivoted to the first member and providing a camming head for plate-gripping coaction with the abutment, an arm connected with the camming head member for actuating the same and arranged for its connection to a hoist line extending slidably through the eye for effecting a gripping and support by the grapple assembly of a plate disposed between the abutment and camming head upon a tensing and raising of the line, and means on the first member providing a

hoist line connection at a fixed point of the member for effecting the direct support of the unloaded grapple assembly from said connection point,

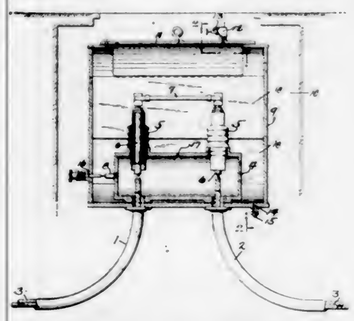


support of the unloaded grapple from said connection point being arranged to dispose the abutment in a different relation to the vertical than that assumed by it when the grapple is supported through the second member.

2,412,556
ELECTRIC POWER DISTRIBUTION SYSTEM

Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application August 5, 1944, Serial No. 548,273
4 Claims. (Cl. 200—113)



4. In combination a pair of adjacent pipe line sections, a manifold connecting the pipe line sections to each other and in communication therewith, an insulated cable conductor in each pipe line section extending into said manifold, a pair of fuse terminals mounted on and extending into said manifold where they are connected to the ends of said cable conductors, a fuse outside said manifold bridging said terminals, a closed housing enclosing said manifold, a removable cover for said housing permitting of access to said fuse, a drain for said housing, said pipe lines, manifold and housing containing oil under high pressure, and a valve in the manifold adapted to be unseated from the exterior of said housing for permitting the housing to be refilled from the manifold and pipe line sections.

2,412,557
LUBRICATING OILS

Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

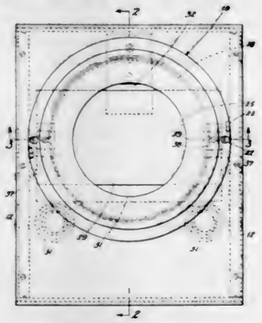
No Drawing. Original application October 16, 1944, Serial No. 558,949. Divided and this application April 20, 1945, Serial No. 589,463
8 Claims. (Cl. 252—51.5)

1. A lubricating composition, comprising a lubricating oil and an unsaturated amine-alpha-beta, unsaturated carboxylic acid addition-condensation polymer; said amine containing at least one ethylenic unsaturation and having at least 4 singly bonded carbon atoms between the ethylenic double bond and the nearest amine nitrogen atom, said amine having at least one hydrogen atom directly linked to an amino nitrogen atom, and containing less than 32 carbon atoms per nitrogen-attached hydrocarbon group; said acid containing less than 10 carbon atoms and free from vinyl radicals; said polymer being mixed with said lubricating oil in an amount within the range of .025% to about 5%.

2,412,558
METER INSTALLATION FIXTURE

Joseph N. Blank, Newport, Ky., assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky., a corporation of Kentucky

Application September 12, 1942, Serial No. 458,160
10 Claims. (Cl. 175—224)



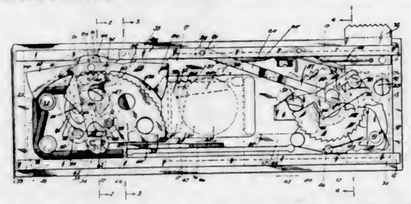
1. In a universal meter installation fixture, a cabinet forming element having an open side, a pair of separable superposed, concentrically apertured substantially flat closure members for the open side of said element, securing means for one of said closure members adjacent the edge of its aperture, said securing means being inaccessible and concealed beneath the other of said closure members in the operative position thereof, and securing means extending through the last mentioned closure member and into the first mentioned closure member.

2,412,559
SHUTTER ACTUATING MECHANISM

Jacques Bolsey, New York, N. Y.

Application January 27, 1944, Serial No. 519,902
14 Claims. (Cl. 95—55)

1. In a shutter blade actuating mechanism, a shutter blade having a shutter aperture, a manually turnable setting knob for setting the various longer and shorter exposure times for said shutter blade, a turnable winding drum secured coaxially to said setting knob and operated by the same, a coiled spring for moving said shutter blade past the exposure aperture of a camera, said coiled spring being attached at its one end to said shutter blade and at its other end to said winding drum and wound up partly upon the same when said winding member is turned by said setting knob in such a manner as to stretch said coiled spring and increase the tension of the same when said exposure time has to be shortened, delayed action means for reducing during said longer exposure times the speed of said shut-

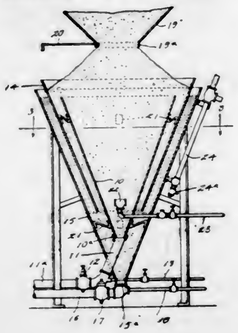


ter blade while the same is moved by said coiled spring past said exposure aperture, means for varying the delaying action of said delayed action means as necessary for obtaining the required longer exposure time, and means for cooperatively connecting said means for varying the delaying action with said setting knob so as to enable operation of said varying means and said delayed action means influenced by the latter in such a manner as to obtain during said longer exposure times the required speed reducing action of said delayed action means.

2,412,560
PRODUCTION OF SALT BRINE

Frank L. Bolton, Ithaca, N. Y.

Application May 4, 1943, Serial No. 485,651
5 Claims. (Cl. 23—310)



5. The method of dissolving a solute which comprises maintaining a supply of solute to substantially fill the inner two of three spaced and concentrically nested conical vessels, introducing solvent within the apex zone of the innermost vessel at such a rate that the solvent will agitate the solute in the apex zone but will become substantially saturated in said innermost vessel, overflowing said solution into the solute-filled annular space between the two inner vessels, passing the solution downwardly within said space and upwardly within the annular space defined by the third vessel at such a rate that the solute within the first annular space will filter out insoluble material in the solution and clear solution will flow upwardly in said second annular space, and withdrawing solution from said second annular space at a point above the point of introduction into the apex of the inner vessel.

2,412,561
CONCENTRATION OF FAT-SOLUBLE VITAMINS

Loran Old Buxton, East Orange, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

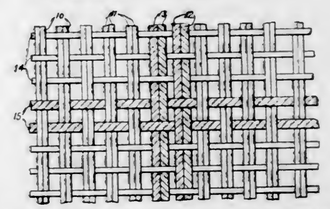
No Drawing. Application August 4, 1942, Serial No. 453,560
10 Claims. (Cl. 167—81)

1. A process of producing an improved fat-soluble vitamin concentrate, which comprises contacting a fat-soluble vitamin-containing marine oil with a solvent selected from the group consisting of aliphatic and alicyclic monohydroxy alcohols containing from 3 to 6 carbon atoms, esters formed by the reacton of aliphatic and alicyclic alcohols with aliphatic monocarboxylic acids, said esters containing not more than 8 carbon atoms, aliphatic and alicyclic aldehydes containing not more than 6 carbon atoms and aliphatic ketones containing not more than 6 carbon atoms, heating the mass to dissolve at least a major portion of the oil in the solvent, cooling the mass to a temperature within the range of 0° C. to —70° C. whereby layers are formed, separating the solvent-soluble fraction from the mass, saponifying said soluble fraction and recovering the unsaponified matter therefrom.

2,412,562
FABRIC

Harry Crawshaw, London, England, assignor to British Celanese Limited, London, England, a company of Great Britain

Application June 27, 1944, Serial No. 542,386
In Great Britain May 21, 1943
5 Claims. (Cl. 139—425)



1. A woven fabric suitable for intercepting radio signals, said fabric having in both warp and weft narrow bands of fine copper wire, at least two warp wires being interlaced with at least two weft wires at each crossing of the wire bands of warp and weft, in any sample the ratio of the total area of the spaces between the wires to the product of the diameter of the wire and the length of the wire in said sample being not less than about 8:1, and the spaces enclosed by the bands of wires being filled with interwoven non-metallic textile yarns.

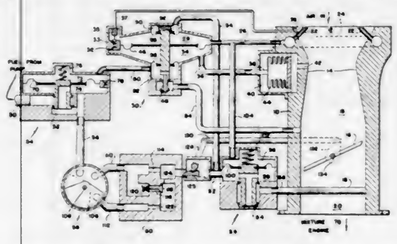
2,412,563
CARBURETOR

Ralph D. Curk, Dayton, Ohio, assignor to Chandler-Evans Corporation, South Meriden, Conn., a corporation of Delaware

Application July 20, 1944, Serial No. 545,807
1 Claim. (Cl. 261—39)

A carburetor for an internal combustion engine, comprising a conduit for combustion air

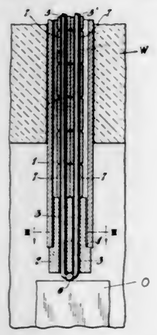
flowing to said engine, means associated with said air conduit for producing two unequal pressures whose difference varies in accordance with the velocity of the air flowing therethru, a passage connecting spaced points in said air conduit subject to said two unequal pressures so that a flow of air is induced thru said passage by said difference of pressures, first and second valves in series in said passage for controlling the flow of air therethru, a first sealed flexible bellows filled with a fluid having an appreciable coefficient of thermal expansion and exposed to the air flowing thru said passage so that it expands upon a decrease in pressure or an increase in temperature of said air, a connection between said first bellows and said first valve so that expansion of said first bellows moves said first valve in a closing direction, whereby an increase in air temperature causes an increase in the pressure drop across said first valve and a corresponding decrease in the pressure drop across said second valve, said



first bellows having an inherent tendency to overcompensate for temperature changes under low pressure conditions, a second sealed flexible bellows, a bulb in said air conduit filled with a fluid having an appreciable coefficient of thermal expansion, a pressure-transmitting connection between said bulb and said second bellows, so that an increase in the air temperature adjacent said bulb expands said second bellows, a connection between said second bellows and said second valve so that expansion of said second bellows closes said second valve, whereby an increase in air temperature causes an increase in the pressure drop across said second valve to correct for the overcompensation produced by said first valve, said first and second valves cooperating with said pressure producing means to regulate the pressure drop across said second valve substantially in accordance with the mass of air flowing thru said conduit per unit time, and means responsive to the pressure drop across said second valve for controlling the flow of fuel to the engine.

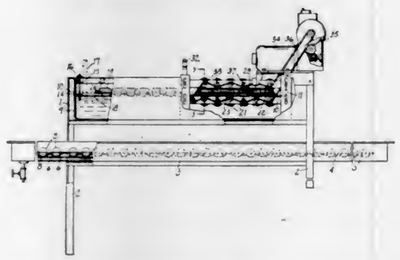
2,412,564
HEAT MEASURING APPARATUS
Farmer Lee Current, South Charleston, W. Va., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application July 7, 1943, Serial No. 493,781
1 Claim. (Cl. 136—4)

A thermocouple assembly comprising the combination with a solid-walled metal pipe adapted to be inserted into a furnace, of a non-metallic refractory bushing fitted into an end of the said pipe with longitudinally extending holes therethrough, wires of dissimilar metal forming a thermocouple extending through the said pipe and the said holes with their ends electrically interconnected on the outside, an annular shoulder on the bushing in abutting engagement with the end of the said pipe and substantially covering the said end, the said bushing being spaced from the pipe interiorly thereof, for inhibiting transfer of heat from the bushing to the said pipe, the said bushing providing sufficient spacing between the said ends of the said



wires and the end of the pipe to prevent rapid exchange of heat therebetween, and non-metallic refractory material covering the said wires between the inside end of the bushing and the opposite end of the pipe.

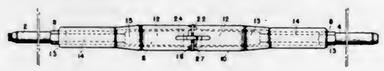
2,412,565
EGG CLEANING MACHINE
Roy Stanley Davis, Otsego, Mich.
Application August 23, 1943, Serial No. 499,663
29 Claims. (Cl. 15—3.15)



1. In a cleaning machine, the combination with a tank, of slideways disposed therein, a carriage reciprocable on said slideways, a tray removably received by said carriage for movement through a cleaning fluid in said tank and comprising a border frame and a plurality of laterally spaced pairs of longitudinally disposed wires having spaced corrugations therein providing rows of seats adapted to receive and rotatably support eggs with their long axes disposed transversely of the path of travel of the carriage, a cover member hinged to the carriage to be closed over a tray arranged on said carriage and comprising a plurality of pairs of longitudinally disposed wires spaced to correspond to the spacing of the pairs of wires of the tray, the wires of said cover having spaced loop-like offsets therein, a plurality of combined cushioning and cleaning elements of sponge rubber engaged with said loop-like offsets whereby they are positioned between the eggs arranged in the tray when the cover is closed and yieldably engage the same while permitting rotation thereof, said cushioning and cleaning elements being disposed between the eggs to cushion one from another in a direction

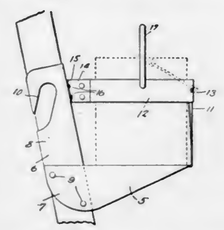
parallel to the direction of travel of said carriage, the spaces between said tray and cover wires being open except as obstructed by said cushioning and cleaning elements, a plurality of rotary brushes arranged in opposed pairs along the path of travel of the carriage to permit the tray with the cover closed thereon to pass between them, said rotary brushes having annularly concaved portions in alinement with the rows of seats of said tray, and means for driving certain of said pairs of brushes in opposite directions.

2,412,566
TURNBUCKLE FAIRING AND LOCK
George W. De Bell, Middle River, and Thomas C. Hill, Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application June 20, 1942, Serial No. 447,876
13 Claims. (Cl. 287—60)



5. In combination, a turnbuckle, a transparent fairing and locking cover for said turnbuckle, and means integral with said turnbuckle and means integral with said fairing and locking cover for locking said turnbuckle and fairing and locking cover against relative rotational movement.

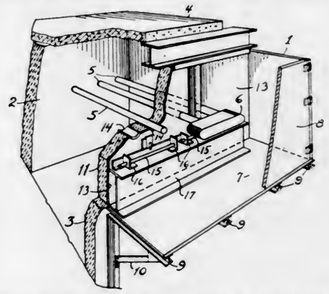
2,412,567
PAINT BUCKET LADDER BRACKET
Joseph C. Dodd, Orlando, Fla.
Application December 7, 1945, Serial No. 633,308
4 Claims. (Cl. 248—210)



2. A paint bucket support for ladders, comprising a lower section and a rear section, spaced flanges formed on the sections, said spaced flanges adapted to fit over the side bar of a ladder, means for securing the support against movement longitudinally of the ladder, a band secured to the support in spaced relation with the lower section and within which a paint bucket is positioned, the paint bucket resting on the lower section, and a bail secured to the band.

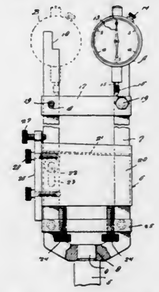
2,412,568
SUPPORTING DEVICE FOR RETURN HEADERS
John E. Donahue and Leo W. Schrader, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 5, 1943, Serial No. 474,790
3 Claims. (Cl. 122—510)

1. In a furnace, the combination comprising bottom, top and side walls forming a combustion zone in said furnace, tubes disposed across said combustion zone and extending through said side walls, in sealed relation thereto, and provided for longitudinal movement through said walls, header members connecting the ends of each tube with an adjoining tube exteriorly of the combustion



zone, and means, independent of said side walls, supporting each of said header members for sliding movement with its connected tubes, with respect to the supporting means and to any other header member.

2,412,569
TAPER GAUGE
Dale A. Dugger, Chicago, Ill.
Application August 7, 1944, Serial No. 548,451
4 Claims. (Cl. 33—75)

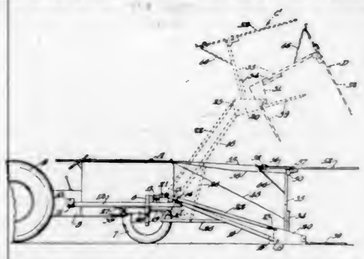


1. A taper gauge comprising a frame, a taper horizontal supporting block, a pin and slot connection between one end of the block and the frame for vertical adjustment of the block bodily and for vertical swinging adjustment of the free end of the block, a floating body on the frame between which and the block a taper is insertable, and an indicating instrument carried by the frame and including an operating member against which the floating body is operative.

2,412,570
MATERIAL HANDLING DEVICE
Benjamin Ender, Hokah, Minn., assignor to Phyllis S. Ender, Hokah, Minn.
Application July 5, 1944, Serial No. 543,534
6 Claims. (Cl. 214—140)

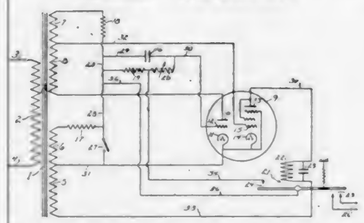
1. A corn shock handling device comprising, a support, means for raising and lowering said support, and a pair of substantially non-resilient shock gripping elements connected to said support a considerable distance above said support to permit gripping of a generally vertically central portion of a shock, said shock gripping elements, in the lowered position of said support,

being spaced above ground level and swingable toward and away from each other in a substan-



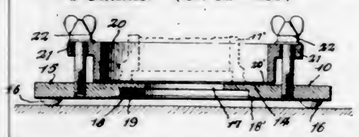
tially horizontal plane a considerable distance as compared to the area of said support.

2,412,571
ELECTRONIC TIMING SYSTEM
William Few, East Cleveland, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application March 11, 1944, Serial No. 526,046
5 Claims. (Cl. 250—27)



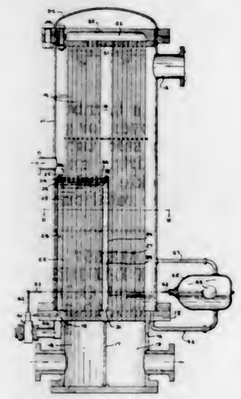
1. In a timing arrangement, a source of alternating potential, a work circuit, an electronic anode and cathode in the work circuit subjected to source derived potential, and a control grid therefor normally negatively energized by a secondary alternating potential derived from the alternating source potential; timing means; a control contactor; a control contactor circuit; means including circuit connections rendered effective upon closing of the contactor circuit to reverse the polarity of the secondary alternating grid energizing potential to immediately start flow of current in the work circuit, and to initiate the running of a time interval by the timing means, and again to reverse the polarity of the secondary alternating grid energizing potential to stop flow of current in the work circuit at the end of the time interval, and maintain it stopped so long as the contactor circuit is maintained closed.

2,412,572
PRESERVING JAR AND TOP GRINDING DEVICE
Otto Fleck, Botha, Alberta, Canada
Application May 20, 1944, Serial No. 536,591
4 Claims. (Cl. 51—185)



1. A combination tool comprising a plate having upper and lower planiform surfaces, an abrasive sheet clamping ring having a planiform lower edge, means to clamp the ring upon the plate, said ring being of a diameter related to the diameter of the work, said plate having a large opening therethrough concentric with the ring, the diameter which, plus the distance between the opening and the ring at one side is less than the diameter of the work, said opening being rabbeted on the under side to a diameter to receive the crown portion of the work free of contact with the plate, for the purposes described.

2,412,573
HEAT EXCHANGE APPARATUS
Walter G. Fraser, Jr., Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1942, Serial No. 438,972
6 Claims. (Cl. 257—32)

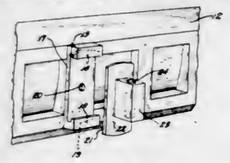


1. A heat exchanger comprising a vertically-disposed shell having a steam inlet and a condensate outlet, a plurality of tubes extending vertically of said shell, waterbox structure associated with said tubes and providing for circulation of water through the latter in a plurality of passes, and means segregating a section of the heat exchanger which includes the condensate outlet and the cold ends of the tubes of the first water pass from the remainder of the heat exchanger to define a subcooler, said means including a pair of vertical partitions arranged in spaced substantially parallel relation to define therebetween a vertical passageway communicating at the bottom with the lowest portion of the heat exchanger condensing space and communicating at the top with the interior of the subcooler for flow of condensate from the condensing space to the subcooler interiorly of the shell.

2,412,574
UNIVERSAL MOUNTING FOR ROAD MACHINE MOLD BOARDS
Henry C. French, Elm Grove, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 20, 1943, Serial No. 514,950
7 Claims. (Cl. 37—144)

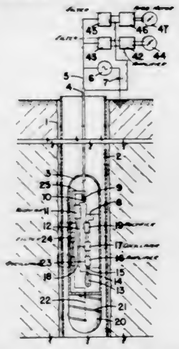
6. In a bulldozer, the combination of: a U-shaped supporting frame; a blade, having one member of a combined bayonet joint and swivel connection on the center of the rear face there-

of; an attaching means comprising the other member of the bayonet connection; and a ver-



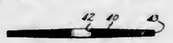
tical pivot hinge connection between the attaching means and the frame.

2,412,575
WELL LOGGING
Alex Frosch, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 26, 1941, Serial No. 404,114
4 Claims. (Cl. 250—83.6)



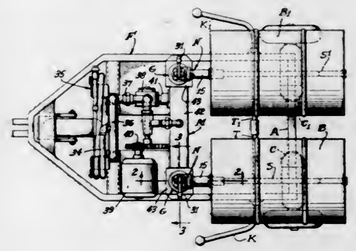
1. An apparatus for simultaneously measuring along a borehole two physical properties of formations traversed thereby comprising a bomb adapted to be lowered in said borehole, a cable for suspending said bomb carrying an electrical conductor, a generator of a carrier wave arranged in said bomb having its output connected to said conductor, means adapted to be disposed at the surface and connected to said conductor for recording the output of said generator, means carried by said bomb responsive to one of the physical properties to be measured and connected to said generator to control the frequency of its carrier wave, and separate means carried by said bomb and responsive to the other physical property to be measured and connected to said generator to control the amplitude of its carrier wave.

2,412,576
SPIRALLY WOUND BARREL CLOSURE
Delos C. Giles, Oil City, Pa.
Application September 22, 1943, Serial No. 503,390
4 Claims. (Cl. 217—76)



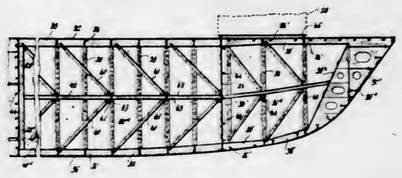
2. A barrel head or the like comprising a paper strip of substantially continuously varying width wound spirally in convolutions, successive convolutions being unitarily adherent to each other, and the resulting closure having a central opening adjacent to which said strip has its maximum width, said closure tapering progressively to a minimum section adjacent its periphery.

2,412,577
LIQUID DISPENSING APPARATUS
Gerald J. Harman, Beverly Hills, Calif., assignor to Harman Equipment Company, a corporation of California
Application June 26, 1943, Serial No. 492,435
2 Claims. (Cl. 222—165)



1. In combination; a barrel; a support for said barrel movable to occupy a loading position and a carrying position; an outlet nozzle on said barrel having a first valve therein normally closed; means for urging said valve to closed position; a suction manifold having an inlet spout formed with a seat to receive said nozzle when said support is moved to barrel carrying position; means for sealing the joint between said nozzle and said spout seat; a second valve in said spout; means for urging said second valve to close said spout; and manually operable means on said nozzle for opening said first valve to a position in which it engages and opens said second valve when said nozzle is extended into said spout, whereby said barrel is placed in communication with said manifold to permit liquid in said barrel to be drawn into said manifold.

2,412,578
DRY DOCK PONTOON CONSTRUCTION
Frederic R. Harris, New York, N. Y.
Application August 7, 1943, Serial No. 497,784
11 Claims. (Cl. 114—83)



1. In a hull for a dry dock the combination of trusses, each of which has a deck beam, a bottom beam, uprights connecting said beams, braces uniting said beams to points between the ends of the uprights, and beams uniting said trusses to one another at said points.

2,412,579
COMBINATION GAS AND LIQUID FUEL BURNER
Zdenek J. Hauzvic, Gary, Ind.
Application January 13, 1945, Serial No. 572,676
6 Claims. (Cl. 158—11)

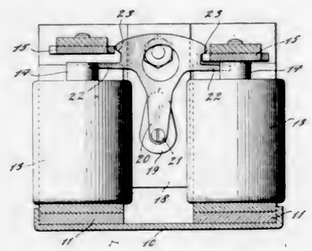
1. A combination gas and liquid fuel burner, comprising a shell structure forming a coolant chamber, a gas pipe therein having a top portion

beveled downwardly and forwardly at the outlet end of the burner, a downwardly and forwardly inclined cover plate secured to the beveled end of said gas pipe, a liquid fuel pipe having a relatively short front end portion extended through said in-



clined cover plate and exposed to the coolant in said shell and having a longer portion located within said gas pipe and thus shielded thereby from the coolant, and respective fuel supply conduits communicating with said gas and liquid fuel pipes.

2,412,580
RELAY
John H. Horman, Tuckahoe, N. Y., assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y., a corporation of New York
Application October 23, 1943, Serial No. 507,363
2 Claims. (Cl. 175—337)



1. In a relay, a pair of electromagnets having pole pieces and pivoted armatures extending across the ends of said pole pieces, means biasing said armatures away from the ends of said pole pieces, and a latch member of magnetic material pivoted on an axis below its center of gravity and centrally arranged with respect to said armatures in position to receive magnetic flux from each electromagnet, said latch member having an integral projection extending therefrom toward each armature whereby upon energization of either electromagnet the latch member is urged toward the armature of the energized electromagnet, each projection being adapted to overlie the edge of an actuated armature with the other projection out of overlying relation to the unactuated armature in each of two different positions of said latch member and retain the actuated armature in actuated position during energization of the corresponding electromagnet.

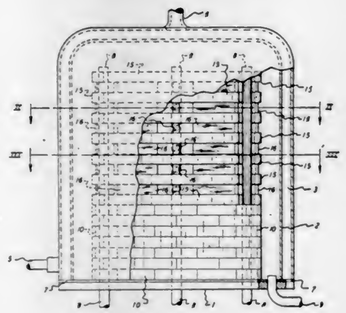
2,412,581
SHEATHING FOR EXPLOSIVES
Daniel D. Huyett and Frank S. Pollock, Wilmington, Del., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application January 22, 1940, Serial No. 315,094
2 Claims. (Cl. 102—24)

1. The herein described method of preparing an explosive assembly for use, where the assembly comprises a stick of explosive and a tubular structure comprising an outer non-metallic shell, a rigid tubular sheath of an explosive property modifying medium constituting a lining within said shell and the bore of which closely approximates the external diameter of the stick of explosive, and a relatively thin paper cap disposed across the end of the sheath and hermetically sealed at its outer edge to said shell, said method including the step of slitting said end cap in a plurality of directions across that portion of its



area which covers the bore of the sheath but not across the remainder of its area, whereby when the stick of explosive is thrust into said bore of the sheath the cut portions of said cap will fold inward along the inner face of the bore of the sheath while the uncut portion thereof will remain engaged at its outer edge with the shell and will be drawn tightly over and cover and protect the end wall of the sheath.

2,412,582
APPARATUS FOR PRODUCING OR PURIFYING METALS OR COMPOUNDS
Sven E. Hybinette and Francis C. Cary, Wilmington, Del.
Application October 9, 1942, Serial No. 461,468
7 Claims. (Cl. 13—8)

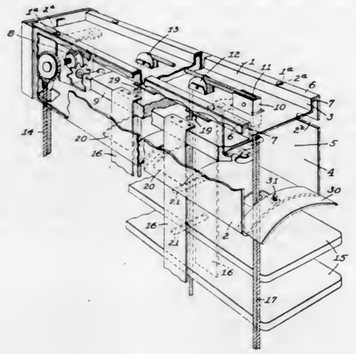


1. In a furnace, a charge therein, said charge being arranged inwardly of the walls of said furnace, said charge comprising a plurality of briquettes stacked so as to allow free passage of gases between them, means for supplying heat to said briquettes, a condensing surface in communication with the space in which said briquettes are arranged, and means for evacuating said furnace.

2,412,583
VENETIAN BLIND
Irving Jablin, Brooklyn, N. Y.
Application July 14, 1945, Serial No. 605,081
12 Claims. (Cl. 160—168)

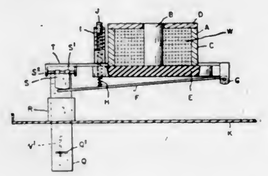
1. A head rail casing for a Venetian blind formed of two sections, one of the sections being channeled to provide a housing chamber for

the operating mechanism of the blind and the other section serving as a closure for the housing



chamber and as a carrying support for the blind-operating mechanism contained in the chamber.

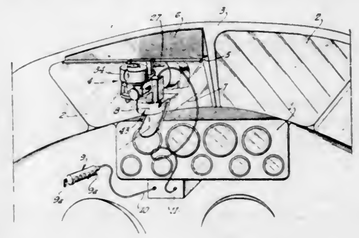
2,412,584
EXHIBITING INSTRUMENT
Harry M. Kirschbaum, Detroit, Mich.
Application December 14, 1942, Serial No. 468,943
2 Claims. (Cl. 234—70)



1. An actuating mechanism for exhibiting means adapted to eliminate inaccuracies due to vibration when carried by a moving vehicle comprising a permanent magnet having a central pole and a surrounding annular pole, a helix within the space between said poles for the passage of a variable electric current to correspondingly vary the magnetic intensity, an armature extending across and spaced from said poles, resilient means for variably opposing the variable magnetic pole on said armature to counterbalance the same in different positions of the latter, exhibiting means, and a connection between said armature and exhibiting means.

2,412,585
SIGHTING DEVICE
Wolfgang B. Klemperer, West Los Angeles, and Sydney J. Goldberg, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application January 12, 1943, Serial No. 472,168
19 Claims. (Cl. 33—46.5)

1. In a sighting device for directing a projectile along a course intended to produce a collision of said projectile with a moving target, the combination of: a sighting means defining a sighting line; means mounting said sighting means for angular movement of said sighting line laterally about an axis disposed at substantially a right angle to said sighting line; reversible drive means for so moving said sighting means; calculating means for computing the angle through which said sighting line must be moved to direct said projectile along said intended course; measuring means for measuring the angle through which said sighting line is actually



moved; comparing means coacting with said calculating means and said measuring means for comparing said measured angle with said computed angle; and control means coupling said drive means to said comparing means for operating said drive means in such direction as to bring said measured angle and said computed angle toward equality.

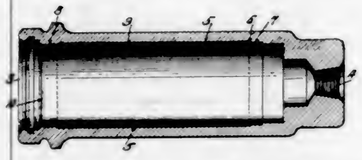
2,412,586
GRINDING OF RUBBER SCRAP
Thomas M. Knowland, Belmont, Mass., assignor to Boston Woven Hose & Rubber Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application August 20, 1943, Serial No. 499,407
1 Claim. (Cl. 241—16)

The improvement in the fine grinding of rubber scrap which is free from fibrous material in a cyclic manner with continuous addition of fresh scrap and continuous removal of the finely ground rubber from the cyclic operation and recycling of the oversized particles for further grinding, which comprises adding from about 2% to about 5% of cooling water to the rubber to be ground, subjecting the rubber wetted with the water added thereto to compressive and pulling forces between relatively-moving spaced grinding surfaces sufficient to bring about a grinding and pulling apart of the rubber into discrete particles, screening the ground rubber to remove the finely ground particles of a size suitable for reclaiming processes, and recycling and regrinding the coarse particles with the addition of water before regrinding, the water added to the rubber preventing coalescence of the ground particles during the grinding operation, but not interfering with the screening of the ground rubber particles.

2,412,587
CYLINDER LINER
Elis L. Larson, Chicago, Ill.
Application November 15, 1945, Serial No. 628,794
4 Claims. (Cl. 309—3)

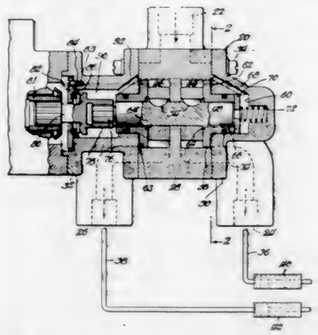
3. A new article of manufacture, a master cylinder for hydraulic braking systems consisting of a metal cylinder having an inner bore which extends axially thereof an annular shoulder adjacent one end of said bore, a tubular sleeve of smaller diameter than said bore, one end of said sleeve being press fitted to and coinciding with said shoulder, and engaging therewith, the other end of said sleeve tapering outwardly to form

a truncated conical portion of greater diameter than the sleeve so that when pressed into intimate relation with the annular wall of said master cyl-



inder the tapered portion will be under compression, whereby the resilience of the metal will form a tight union with the wall of the cylinder.

2,412,588
GEAR DIVIDER WITH PRESSURE LOADED BUSHINGS
John A. Lauck, South Euclid, Ohio, assignor to Pesco Products Co., Cleveland, Ohio, a corporation of Ohio
Application May 31, 1943, Serial No. 489,145
9 Claims. (Cl. 103—126)



1. In a device of the class described, a housing having a common fluid inlet passage adapted to receive fluid from a fluid source and a plurality of separate independent outlet ports adapted to discharge fluid in separate streams having a definite volume ratio irrespective of any differences in the resistances encountered by said respective outlet streams, said housing being provided with a plurality of non-communicating chambers corresponding in number to said outlets and in common communication with said common inlet passage, each chamber being in communication with a different one of said outlet ports, rotary fluid displacement means in each of said chambers, means drivingly connecting all of said rotary fluid displacement means for simultaneous rotation; said arrangement being particularly characterized by the provision of at least one bearing and pumping seal defining unit in each chamber, each unit including an end plate portion, each of said end plate portions having a back face normally spaced from the adjacent end wall of the associated chamber and forming with said associated chamber a control pressure chamber for the action of liquid in effecting pressure engagement of said end plate portion in fluid seal relation with the corresponding rotary fluid displacement means; and means placing said respective control pressure chambers in separate communication with the outlet fluid from the corresponding rotary fluid displacement means.

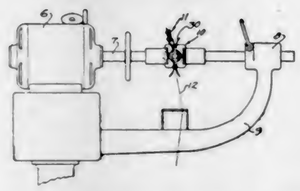
2,412,589
CONDENSATION PRODUCT AND METHOD OF PREPARING AND USING SAME
Eugene Lieber, West New Brighton, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 19, 1942, Serial No. 469,579
13 Claims. (Cl. 252—59)

1. Process which comprises alkylating a resinified material derived by resinifying an aromatic hydrocarbon with an aldehyde, with an alkylating agent containing less than 7 carbon atoms, at a temperature above about 125° F., with a Friedel-Crafts catalyst, hydrolyzing and removing the catalyst and distilling the reaction product under reduced pressure to about 600° F. to obtain the desired product as distillation residue.

2,412,590
ELASTOMER ADAPTED FOR A CHEWING GUM BASE
Boris N. Lougovoy, Jackson Heights, N. Y.
No Drawing. Application September 21, 1942, Serial No. 459,185
11 Claims. (Cl. 99—135)

1. An elastomer adapted for a chewing gum base consisting of methacrylic acid ester polymer having in the ester radical three or more carbon atoms and an ester of abietic acid.

2,412,591
COIL WINDING DEVICE
Oliver J. Luke, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application October 29, 1945, Serial No. 625,281
8 Claims. (Cl. 242—13)



1. A wire or cord holding device comprising a base, a pin projecting therefrom for attachment of a wire or cord, and a push-off element slidably mounted on said pin, said element being actuable outwardly of said pin to force the cord or wire therefrom.

2,412,592
VARNISH PAPER LINER FACING MATERIAL
Curtis E. Maier, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 21, 1943, Serial No. 495,659
6 Claims. (Cl. 117—76)

1. A paper liner facing material comprising a paper base and a coating thereon comprising a paper-adherent layer of oleoresinous varnish sealing the paper base and providing a continuous outward surface, and a continuous top coating film having an unplasticized resinous base consisting for 80 to 100 percent by dry weight of vinyl polymer resin selected from the group consisting of polymerized vinyl and vinylidene halides and vinyl resins containing 40 to 95 percent

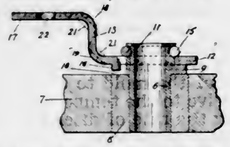
by weight of vinyl and vinylidene halides as mixed and interpolymers with vinyl esters, acrylic acid, esters of acrylic acid, and alkyl-substituted acrylic acids and their esters; the remainder of the dry weight of the resin base of said top coating film being a resin selected from the group consisting of maleic anhydride glycerol esters of rosin and the tripolymer resin made from maleic anhydride, vinyl halide and vinyl acetate; said top coating film being adherent to said oleoresinous layer and having a thickness of substantially one to five ten-thousandths of an inch with a dry film weight of substantially 2 to 10 milligrams per square inch, said material being characterized by being flexible, having a tough and impermeable exposed surface and having its several components inseparably bound together.

2,412,593
PROPELLENT CHARGE HOLDER
Arthur Adelman, Chesaning, Mich.
Application November 8, 1941, Serial No. 418,346
14 Claims. (Cl. 102—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with firing components comprising a projectile and an external propellent charge therefor, a fastening member carried by one of said components and having a headed portion threaded laterally through the other of said components.

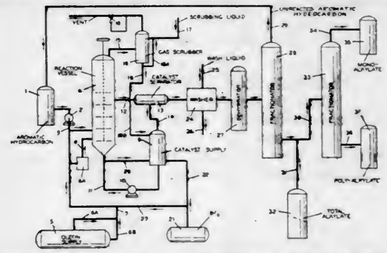
2,412,594
JIG BUSHING
James E. Antonidis, Chicago, Ill., assignor to Master Machine & Tool Company, Chicago, Ill., a corporation of Illinois
Application May 28, 1945, Serial No. 596,279
10 Claims. (Cl. 77—62)



2. The combination with a jig bushing having an outer shoulder adjacent one end and a rounded groove nearer the end, of a handle having an opening to fit over the end of the bushing and against the shoulder, and a spring holding ring engageable in the groove, the ring having a thickness less than the width of the groove to press yieldingly against the top of the handle.

2,412,595
PROCESS FOR REACTION OF AROMATIC HYDROCARBONS WITH NORMALLY GASEOUS UNSATURATED HYDROCARBONS
William N. Axe, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 3, 1942, Serial No. 433,191
9 Claims. (Cl. 260—671)

1. A process for the alkylation of benzene with ethylene which comprises passing a major proportion of benzene and a minor proportion of ethylene at a temperature in the range of about 80° F. to about 120° F. and at a pressure in the range of zero to about 100 pounds gage into intimate contact with a catalyst comprising essentially the addition compound of boron fluoride and ortho-phosphoric acid and prepared by saturating concentrated ortho-phosphoric acid with boron fluoride, whereby alkylation occurs to form ethylbenzenes, continuously withdrawing liquid and gaseous effluents from the reaction zone, scrubbing the gaseous effluent with phosphoric

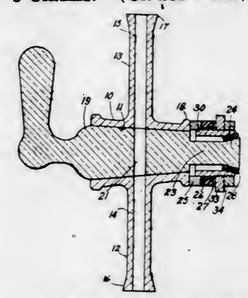


acid to recover boron fluoride, separating entrained catalyst from the liquid effluent for return to the reaction zone, fractionating the liquid hydrocarbons to separate unreacted benzene which is returned to the reaction zone with further amounts of ethylene, and finally fractionating the ethylbenzenes to recover a major proportion of mono-ethylbenzene and a minor proportion of di-ethylbenzene.

2,412,596
INHIBITING MOLD IN DAIRY PRODUCTS
Hans F. Bauer and Elmer F. Glabe, Chicago, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc., a corporation of New York
No Drawing. Application February 2, 1942, Serial No. 429,286
6 Claims. (Cl. 99—150)

2. A dairy product selected from the group consisting of milk, buttermilk, butter, cheese, powdered milk, powdered cream and whey, containing a substantial quantity of a non-toxic, water soluble alkali diacetate, the quantity of said alkali diacetate being effective to inhibit the growth and development of bacteria and mold in said product.

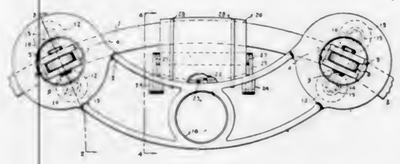
2,412,597
STOPCOCK
Nathaniel Brewer, Newtown, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania
Application March 1, 1944, Serial No. 524,577
8 Claims. (Cl. 251—112)



1. A stop-cock comprising a housing having a tapered inner bore, an apertured tapered plug

rotatably mounted within said inner bore in fluid-tight relationship therewith, said plug having a tail-piece extending from the smaller end thereof beyond said housing, means for retaining said plug within said bore, said retaining means including telescopically adjustable means adapted oppositely to bear against said housing and said tail-piece, and separate compressible members positioned intermediate said retaining means and said housing and tail-piece respectively.

2,412,598
TRACK ROLLER CARRIAGE
Don D. Brush, Detroit, Mich.
Application July 30, 1943, Serial No. 496,699
7 Claims. (Cl. 105—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A track roller carriage having spaced portions adapted for support at spaced positions along a track, a pair of spaced horizontal disks rotatably mounted in each portion and adapted to be positioned respectively at the top and bottom of the track, a pair of horizontal rollers mounted in each disk and adapted to engage opposite sides of a track, and means carried by each disk adapted to engage an intermediate horizontal surface of the track.

2,412,599
ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME
Halsey W. Buell, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application January 31, 1944, Serial No. 520,549
13 Claims. (Cl. 51—298)

3. A coated article having a surface film which is substantially free from cracks and checks and is stable to changes in atmospheric conditions, said film comprising the heat-hardened reaction product of a mixture comprising about 5–25 parts of a dense granular cuto-cellulosic flour and about 60 parts of a water-soluble reaction product of urea and formaldehyde, said flour having a bulk density greater than about 0.5, a total acidity greater than about 240, and a pH in the range of about 3.5-4.4.

7. In a method of making a heat-hardenable resinous adhesive which will cure to a surface film which is substantially free from cracks and checks and is stable to changes in atmospheric conditions, the step which comprises mixing a granular cuto-cellulosic flour having a bulk density greater than 0.5 and a total acidity greater than about 240 with a water suspension of a heat-hardenable reaction product of formaldehyde with a compound containing at least one carbon atom bonded to two nitrogen atoms, at least one of which is present as part of an amino group NH_2, said reaction product being heat-convertible to form an insoluble, infusible resin.

2,412,600
CATALYSIS OF HYDROCARBONS BY GEL-TYPE CATALYSTS
Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Original application January 20, 1942, Serial No. 427,524. Divided and this application September 11, 1942, Serial No. 457,928
8 Claims. (Cl. 196—52)

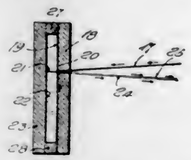
1. A pressure of treating hydrocarbons, which comprises subjecting a naphtha in the presence of hydrogen in partial pressure of 50–300 pounds per square inch, at a temperature of 850–1200° F., to the action of a contact mass consisting of aluminum, chromium and molybdenum gel type oxides in the particularly intimate relationship which results from their co-precipitation from an aluminum salt and a chromium salt and a hydroxide precipitant and ammonium paramolybdate, in proportions to provide 10 mol per cent of molybdenum oxide, 20 mol per cent of chromium oxide, and 70 mol per cent of aluminum oxide.

2,412,601
APPARATUS FOR CASTING ANNULAR ARTICLES
Frank G. Carrington, Lynchburg, Va., assignor to Max Kuniansky, Lynchburg, Va.
Application July 8, 1943, Serial No. 493,908
8 Claims. (Cl. 22—65)



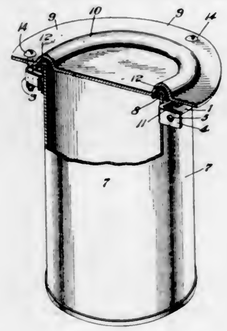
1. In a cooling system for centrifugal pipe casting apparatus having a water box and a tubular mold rotatively mounted therein, a sleeve surrounding the full length of the mold and spaced therefrom, a plurality of inlet passages in the sleeve for introducing fluid through the sleeve into the space between the mold and sleeve, fluid impelling means disposed at each end of the sleeve for discharging fluid from the space and serving thereby to circulate fluid simultaneously towards opposite ends of the mold to cool the same, and means responsive to the temperature of the mold for controlling the rate of discharge through one of the said impelling means.

2,412,602
ELECTROPHORESIS APPARATUS
Leslie Addison Chambers, Drexel Hill, and Haldan Keffer Hartline, Media, Pa., assignors to The Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania
Application September 3, 1942, Serial No. 457,232
7 Claims. (Cl. 88—14)



1. The method of analyzing solutions which comprises confining the solution under observation between a pair of interferometer plates, subjecting the solution therebetween to electrophoresis, passing rays of monochromatic light through the solution, and recording the interference pattern produced by said interferometer plates for determining the characteristics of the solution.

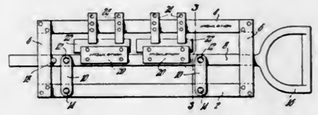
2,412,603
COVER FOR TIN CANS
Henry Clement Dauphinais, Valley City, N. Dak.
Substitute for abandoned application Serial No. 324,918, March 20, 1940. This application May 8, 1945, Serial No. 592,588
1 Claim. (Cl. 220—24)



In combination a conventional cylindrical tin can which has been opened by severing an end wall from the inner periphery of the beaded edge of the can, said beaded edge forming for said can at the open end thereof a transversely curved terminal edge and an external peripheral shoulder closely adjacent thereto, a device for closing the open end of said can comprising a rigid metal plate secured to the open end of the can and closing said opening, said plate having formed therein a relatively deep channel substantially semicircular in cross section and receiving therein the said bead of the can, a sealing gasket positioned in said channel and substantially enclosing the bead, means for clamping said plate in sealing engagement with said gasket and bead, said means comprising a split ring clamped about the body of the can in abutting engagement with said shoulder, said ring having rigidly secured thereto spaced outwardly projecting ears, said plate having means outwardly of said channel for receiving clamping bolts which cooperate with said ears to clamp the plate into sealing engagement with the end of said can, said metal plate having a depending concentric flange spaced a definite distance outwardly of said channel to temporarily hold the gasket during the mounting of said plate in operative position.

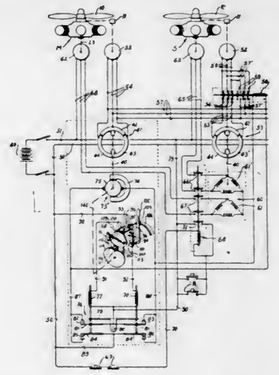
2,412,604
SWITCH APPARATUS
James P. Dolan, Springfield, Mass.
Application May 23, 1945, Serial No. 595,281
3 Claims. (Cl. 200—16)

2. A switch apparatus comprising in combination, lower and upper spaced longitudinal members, said upper member being made from insulating material, a pair of end plates at each end of said members with the plates of said pairs disposed on the outer sides of said members secured thereto providing vertically disposed guideways at each end of and between said members, an operating member slidable in said guideways provided with a manually engageable member at one end thereof, spaced links pivotally connected



at opposite ends to said bar and lower member whereby said bar is mounted for combined swinging and reciprocating movements in said guideways, an insulating member on said bar carrying a blade adapted to engage said contacts in one position of said bar.

2,412,605
SPEED ADJUSTING MECHANISM
George Forrest Drake, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application February 3, 1943, Serial No. 474,549
11 Claims. (Cl. 60—97)

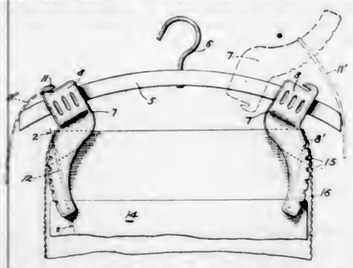


5. A control for matching the speeds of slave and master power units each having an individual speed regulator, said control comprising, in combination, remotely controlled means for adjusting the master speed regulator, means automatically responsive to differences in the speeds of said master and slave units to adjust the slave speed regulator and correct for such differences, and means operable automatically during adjustment of said master speed regulator to disable said last mentioned means and cause adjustment of the slave speed regulator in unison with the master regulator.

2,412,606
GARMENT HANGER
Paul Emil Dubbe, Los Angeles, Calif.
Application August 9, 1944, Serial No. 548,709
7 Claims. (Cl. 223—93)

1. A garment hanger attachment consisting of a body having an opening through its upper end to receive said hanger, said opening being larger than said hanger and having yieldable friction prongs in said opening bearing at their ends on

said hanger, whereby said attachment can be adjusted thereon, the lower end of said attach-

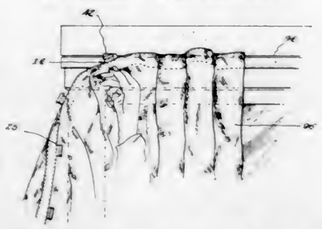


ment being bifurcated and spring pressed for holding a garment therein.

2,412,607
AMMONIUM THIOSULFATE
Henry V. Farr, Ferguson, Mo., and John R. Ruhoff, Bronxville, N. Y., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application October 21, 1943, Serial No. 507,178
7 Claims. (Cl. 23—115)

1. The method of concentrating ammonium thiosulfate solutions which comprises evaporating such solutions in contact with ammonia.

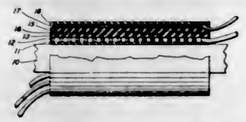
2,412,608
COMBINED HEADER AND SUPPORTING MEMBER
Annette E. Fridolph, New York, N. Y.
Application June 25, 1942, Serial No. 448,405
11 Claims. (Cl. 160—389)



8. An ornamental hanging such as a curtain or drape for use in slotted tracks, comprising a plurality of individual slider units of fibrous material secured at one end to the top of said hanging at spaced points and enlarged independent header members at the other end of said spaced slider units for engagement with and freely slidable in said slot.

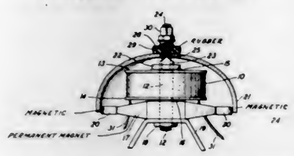
2,412,609
HIGH-VOLTAGE TRANSFORMER
Albert G. Ganz, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 15, 1944, Serial No. 518,363
7 Claims. (Cl. 175—356)

1. A high voltage electrical transformer comprising a primary winding, a secondary winding, insulation separating said windings, and means for insuring a substantially uniform potential gradient between said windings, said means comprising an open circuited auxiliary winding placed between said primary and secondary windings and insulated therefrom, the number of turns in said auxiliary winding being such as to cause to be induced in each elementary por-



tion of said auxiliary winding a potential which is substantially the same as would exist at the relative location of said portion in an absolutely uniform dielectric in the absence of said auxiliary winding.

2,412,610
AUDIBLE SIGNALING DEVICE
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1944, Serial No. 559,635
6 Claims. (Cl. 177—7)



6. An audible signal device comprising in combination an electromagnet having a coil-supporting core, a permanent magnet mounted on one end of said core, and a gong of magnetic material oscillatably mounted on the other end of said core so as to enclose said core and said permanent magnet, said core, permanent magnet and gong constituting the magnetic circuit of the electromagnet.

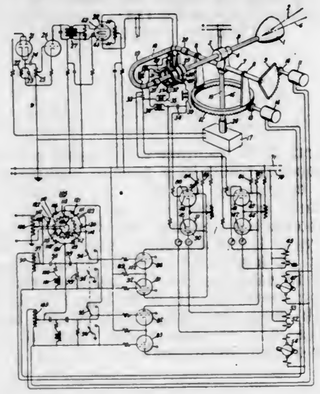
2,412,611
MOLDING COMPOSITIONS AND ARTICLES THEREOF
Walter E. Gloor, New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 26, 1945, Serial No. 574,815
16 Claims. (Cl. 106—179)

6. A molding powder consisting of granules of colloided thermoplastic composition comprising essentially cellulose acetate having a combined acetic acid content between about 52.0% and about 56.0%, and having an intrinsic viscosity in excess of about 1.7, and plasticizer for the cellulose acetate, said molding powder being capable of being thermally molded to an article which is resistant to stresses produced by impact at low temperatures, such as —40° F., and in which the cellulose acetate after molding has an intrinsic viscosity above 1.5.

2,412,612
DIRECTIVE RADIO SYSTEM
Sidney Godet, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 8, 1941, Serial No. 414,126
14 Claims. (Cl. 250—11)

4. In combination, a directive radio system, means responsive to waves received in said system to control the orientation thereof, said means

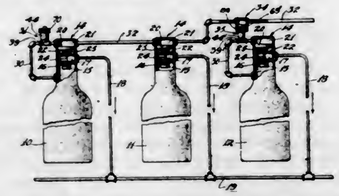
comprising a motor, means to supply voltage to said motor, and electron discharge means to control the polarity and intensity of said voltage, said electron discharge means comprising a pair of electron discharge devices, each of said devices having an anode, a cathode, a control electrode, and a second control electrode, means to vary the voltage on said first control electrodes differentially in response to the direction from which waves are received in said system, means to control said voltage supplied to said motor in response to current in said anodes, and means responsive to said voltage supplied to said motor to vary the potential on said second control elec-



trodes to counteract the effect produced by said voltage supplied to said first control electrodes.

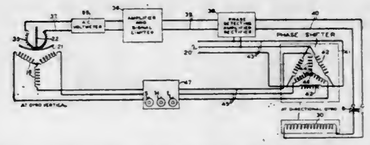
5. In combination, a directive radio system, means responsive to waves received in said system to control the orientation thereof in different planes, said means comprising a plurality of motors, means responsive to the direction of propagation of received waves to supply voltage to said motors of such intensity and polarity as to cause said motors to orient said system in said direction, and a single manual control member arranged for rotation, and means responsive to the position of said member in its rotation to vary the orientation of said system in any plane.

2,412,613
FLUID MEDIUM STORING AND DISPENSING SYSTEM
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application September 27, 1944, Serial No. 555,917
6 Claims. (Cl. 222—3)



1. In a fluid pressure medium dispensing system, the combination of a receptacle for containing a fluid medium under pressure, fluid medium retaining means for said receptacle, delivery means into which fluid medium from said receptacle is delivered when released, fluid medium actuated operating means for said retaining means adapted to effect release of fluid medium from said receptacle, a direct fluid medium flow connection between said operating means and said receptacle, pilot valve means in said connection adapted to be unseated to effect delivery of fluid medium from said receptacle through said connection to said operating means, and means removable associated with said pilot valve means including actuating means for said pilot valve means, venting means associated with said actuating means for venting fluid medium in said connection between said pilot valve means and said operating means when said pilot valve means is seated, and means for rendering said venting means ineffective prior to and during the unseating of said pilot valve means.

2,412,614
GYROSCOPIC INSTRUMENT
Robert Haskins, Jr., Garden City, and Orland E. Esval, Huntington, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 26, 1943, Serial No. 477,296
12 Claims. (Cl. 33—226)



12. A gyro compass instrument comprising a gyro vertical and a directional gyro, A. C. tilt reducing means for said gyro vertical including means for producing a magnetic flux field, means for precessing said directional gyro in azimuth, a repeat-back device operated by said directional gyro to change the phase of the signal supplied the field flux producing means as the craft on which the directional gyro is mounted changes heading, power means for producing a reference signal of fixed phase, a pick-off at the gyro vertical in the field of said producing means, and means for operating said precessing means including means for comparing the phase of the reference and pick-off signals to produce a null output with the tilt plane of the gyro vertical in the east-west plane of the earth, said comparing means producing an output when the signal of the pick-off either leads or lags the signal of the reference by other than 180° to cause said directional gyro to precess in a direction that restores the output to a null condition.

2,412,615
BLADED MACHINE ELEMENT
Alan Howard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 16, 1943, Serial No. 483,309
3 Claims. (Cl. 253—77)

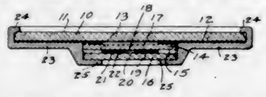
1. A blade for use in turbines, compressors and like rotary machines subject to vibration during operation, said blade having a fixed base portion and a free tip portion and being substantially airfoil-shaped in section, the blade having a transverse slot perpendicular to the chart of the blade extending from the tip portion towards the central portion of the blade and forming inlet and outlet portions respectively on opposite sides of

the slot, which portions have different natural frequencies of vibration in a direction transverse to the chord, said slot being curved throughout



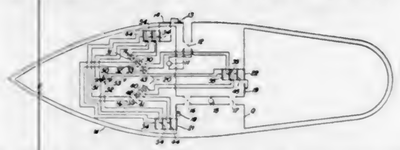
its length and having an enlargement near its inner end, and a material having a high vibration damping coefficient substantially filling the slot and anchored in the enlargement.

2,412,616
SIGNALING MIRROR
Richard S. Hunter, Franklin Park, Va., assignor to United States of America, as represented by the Secretary of Commerce
Application April 20, 1945, Serial No. 589,451
5 Claims. (Cl. 116—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



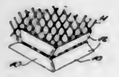
5. A heliographic signaling device comprising an opaque mirror provided with a window, a retrodirective reflecting sheet provided with a sighting aperture and a color filter provided with an aligned sighting aperture within the window of said mirror, a clear transparent disk beneath said window and extending beyond the margins thereof, two similar transparent optically independent disks above said window and means for rigidly uniting said disks to said mirror.

2,412,617
SYSTEM OF COMPASS COMPENSATION
Howard Jenkins, Arlington, Va.
Application August 24, 1942, Serial No. 455,910
10 Claims. (Cl. 33—225)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



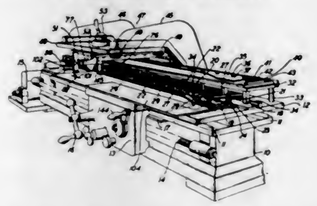
3. In a system for automatically compensating a magnetic compass for errors produced by the degaussing field of a vessel upon which the compass is mounted, the combination including at least a pair of degaussing coils disposed in a predetermined space relation on said vessel, a pair of compensating coils each having at least a pair of separate and coaxial windings, the axes of said coils being substantially coplanar and horizontally disposed relative to said vessel, means securing each of said compensating coils to said vessel in a fixed predetermined space relation closely adjacent to said compass, a source of direct current electrical potential, means connecting each degaussing coil to said source, and means connecting a separate winding of each of said compensating coils in circuit with a separate degaussing coil so that the current magnitude in each of said windings may be separately adjusted in suitable proportion to the current magnitude in their respective degaussing coils to automatically compensate for the horizontal component of said degaussing field.

2,412,618
FRAMING ELEMENTS
Frederick Kautz, Norwood, Pa.
Application January 15, 1941, Serial No. 374,568
9 Claims. (Cl. 189—84)



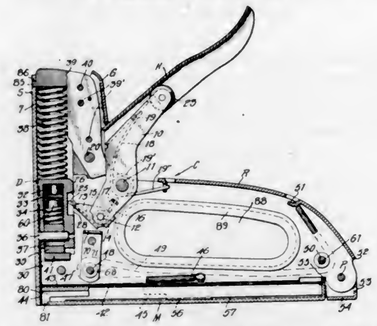
5. A structural member comprising a mesh web to be supported within a frame, having a frame element consisting of flat bar members with longitudinal edge portions disposed in angular relation to each other and receiving edge portions of said web therebetween, said frame element including at least one bar member disposed at an angle to said mesh web, welding material at contacting portions of said bar members and mesh web, and said welding material being located at a side of said frame element opposite the body of said mesh web.

2,412,619
APPARATUS FOR AND METHOD OF MAKING CONTOURED ELECTRICAL RESISTANCE CARDS
Wilfred J. Kindermann, Mount Vernon, and Walter W. Werring, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1944, Serial No. 533,996
9 Claims. (Cl. 90—13)



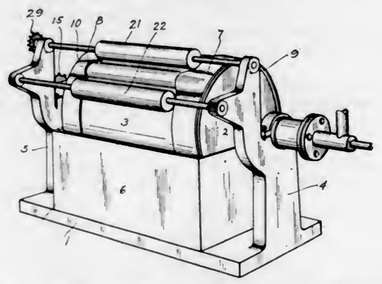
1. A machine for cutting an edge of a card to a precise predetermined pattern comprising a support for the card, a support for a templet of the card, a carriage operable to move transversely of the card, means to urge said carriage toward the support for the templet, means to cause relative movement of said supports and said carriage, a cutting tool and a driving means for said cutting tool supported on said carriage, a lever pivotally supported on said carriage, a follower supported on said lever and spaced from said cutting tool, said follower being operable to bear against the templet to control the engagement of said cutting tool against an edge of the card and a manually operated stylus carried by said carriage and mechanically connected to said lever and operable to move said lever to change the spacing of said follower relative to said cutting tool.

2,412,620
TACKER
Calvin P. Kipp, Douglaston, N. Y.
Application April 29, 1943, Serial No. 485,044
29 Claims. (Cl. 1—49)



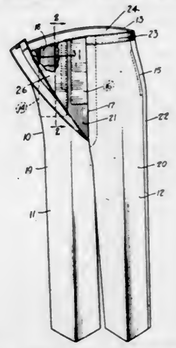
1. In combination, a staple holding magazine having a raceway, a spring controlled follower in said magazine for shifting a staple into said raceway, reciprocable driving means including a blade projectible into and out of said raceway and comprising a slidably guided plunger, shock absorbing spring means, impact distributing means and resilient bumper means; power spring means acting on said driving means, means for slidably guiding said driving means and blade, means for raising said driving means against the resistance of said power spring means, fixed abutment means to receive the impact of said plunger on the downward stroke of said driving means to interrupt said downward stroke, and means coacting with said distributing means towards the completion of said downward stroke to prevent solid compression of said shock absorbing spring means and to further interrupt said downward stroke and for stressing said bumper means.

2,412,621
HEAT TRANSFER DEVICE
Frank W. Knowles, Seattle, Wash.
Application June 20, 1944, Serial No. 541,206
6 Claims. (Cl. 62—106)



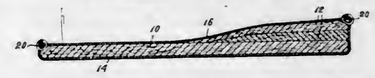
1. A refrigerating apparatus, comprising: a refrigerated drum, means insulating the ends of said drum, an endless, imperforate, flexible belt, longer than the circumference of the said drum, and placed around and in contact with said drum, means preventing progressive movement between said drum and belt, and sealing the entire length of the edges of said belt to the ends of said drum, and means for maintaining all but a small portion of said belt in contact with said drum.

2,412,622
PANTS POCKET CONSTRUCTION
Theodore Koppelman, Scranton, Pa.
Application May 1, 1944, Serial No. 533,530
8 Claims. (Cl. 2—247)



1. A garment pocket construction comprising: a garment having a main pocket including a front wall and a rear wall, said main pocket having a side opening; and an auxiliary pocket disposed within said main pocket, said auxiliary pocket having a back wall, an edge of which is connected to the said front wall; whereby said front wall forms the front wall portion of said auxiliary pocket.

2,412,623
FOOTWEAR
Roy Maling, West Roxbury, Mass.
Application December 8, 1944, Serial No. 567,158
6 Claims. (Cl. 36—30)



1. A footwear base structure comprising a platform and heel unit and an envelope completely enclosing said unit and having a flexible tread surface exposed on the under side of the base structure, said envelope comprising a flexible sheet element covering the under surfaces of said unit and extending integrally upward in covering relation to the side edges of the unit, and a top sheet covering the full area of top surface of said unit and secured only to the first mentioned sheet of the base structure all around the base structure approximately at the plane of the top surface of the base structure.

2,412,624
TELEPHONE CALL TRANSMITTER
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1944, Serial No. 570,557
3 Claims. (Cl. 179—90)

3. A call transmitter having a casing, an oblong shaped plate secured at both ends to supporting means formed in said casing, a set of longitudinally movable key members representing digits, registering means formed in a row in said casing and in said plate forming guiding elements for said key members, said key members having collar portions, helical springs tensioned between said collar portions and said plate to serve as retractile springs for said key members, a bracket

secured to means carried by said casing interiorly thereof, an alternating current generator secured to said bracket having vibrative reeds, a plurality of arms pivoted on said bracket having means for engaging said reeds, another plate secured to said bracket, ribbon-shaped retractile springs for said arms supported at their ends by means formed in the last-mentioned plate and normally acting on said arms to cause the flexing of said vibrative reeds, a third plate clamped between said bracket and said generator having means serving as spacer members for holding said arms in registering relation with said vibrative reeds, a pawl-like member pivoted on said third

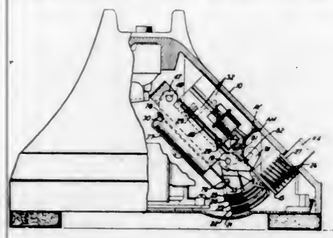
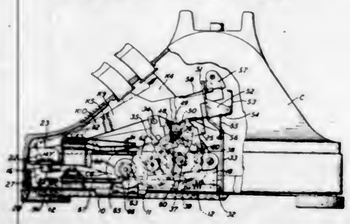


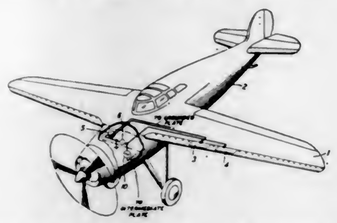
plate normally holding said reeds collectively in said flexed position and operable by the operation of said arms for releasing their corresponding vibrative reeds, a plurality of bars mounted for concentric movement in said casing and supported by means formed with the first-mentioned plate, means carried by said concentrically movable bars engaged by said key members for actuating said bars in predetermined combinations and other means carried by said concentrically movable bars for actuating said arms in said combinations to cause the operation of said vibrative reeds for transmitting signals corresponding to the digits of the operated key members.

2,412,625
TELEPHONE CALL TRANSMITTER
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 18, 1945, Serial No. 573,422
4 Claims. (Cl. 177—380)



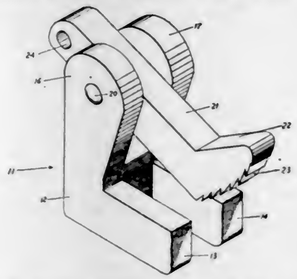
1. In a call transmitter, a set of digit key members, a pivoted bar actuated by the operation of any one of said key members, a gear sector carried by said bar, a shaft disposed transverse of said key members, a pinion keyed on said shaft engaged by said sectors for rotating said shaft upon the operation of said bar, a drum member keyed on said shaft, means carried by each of said key members engaging means disposed in spaced relation at the periphery of said drum member for limiting the movement thereof to an angular distance corresponding to the digit of the operated key member, a motor spring tensioned by the operation of said bar for returning the latter to normal, a pulsing mechanism, and a ratchet mechanism operable upon the return of said bar to normal position for actuating said pulsing mechanism.

2,412,626
ICE DETECTING SYSTEM FOR AIRCRAFT
William A. Malthaner, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 13, 1944, Serial No. 553,944
1 Claim. (Cl. 177—311)



An ice warning and measuring system for aircraft comprising in combination, an electrical detector element mounted on the exterior surface of said aircraft, an electrical indicating element, an adjustable capacity element, said indicating element and said adjustable capacity element disposed in said aircraft remote from said detector element, a source of current, an electrical circuit including said three elements and said source of current in a measuring configuration, said detector element comprising in a unitary structure a pair of coplanar electrodes constituting substantially the entire outer surface of a side of said unitary structure exposed to ice-forming conditions, an intermediate electrode spaced from the rear surface of said coplanar electrodes and an electrically grounded electrode spaced from the rear surface of said intermediate electrode, said electrodes cooperating with one another to constitute a plurality of capacity elements included in said electrical circuit.

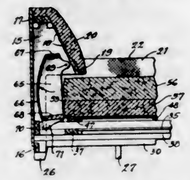
2,412,627
LIFTING CLAMP
Eugene McGowan, New York, N. Y.
Application August 11, 1945, Serial No. 610,385
1 Claim. (Cl. 294—104)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A lifting clamp comprising a body portion, a pair of horizontally extending, laterally spaced arms on said body, a fork extending upwardly from said body, a bore through said fork, a rod

mounted in said bore, a lever pivotally mounted on said rod, a bore at one end of said lever and a jaw at the opposite end of said lever adapted to be positioned in clamping relation with said arms.

2,412,628
SOFA BED
George H. McKeown, Bedford Park, and Henry Wissmiller, Wheaton, Ill., assignors, by mesne assignments, to Pullman Couch Company, Chicago, Ill., a corporation
Application May 24, 1943, Serial No. 488,106
9 Claims. (Cl. 5—58)

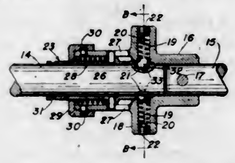


9. In a sofa bed, a couch frame, a bed frame including a cushion supported thereon mounted to slide forwardly and rearwardly on the couch frame, a storage rack on the couch frame adjacent the rear of the bed frame and located above the latter, means for mounting the storage rack for movement on the couch frame between inward and outward positions in the former of which the rack is concealed rearwardly of the bed frame cushion, and means on the bed frame engageable with the rack for moving the latter outwardly to an exposed position when the bed frame is moved forwardly.

2,412,629
METHOD OF PRODUCING WHIP
Alexander S. Miner, New York, N. Y.
No Drawing. Application February 9, 1942, Serial No. 430,086. In Germany August 19, 1937
4 Claims. (Cl. 99—60)

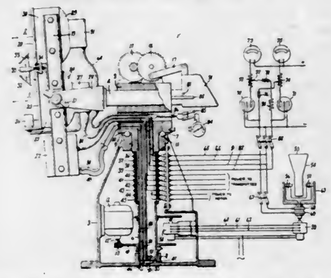
1. The method of producing a foamy product, which consists in cooling skimmed milk containing not more than approximately .05 to .1 part by weight of fat to a temperature close to the freezing point, and then whipping said cooled skimmed milk until a foam results therefrom.

2,412,630
LIMITED TORQUE COUPLING
Homer B. Nelson, United States Navy
Application May 22, 1945, Serial No. 595,225
7 Claims. (Cl. 192—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



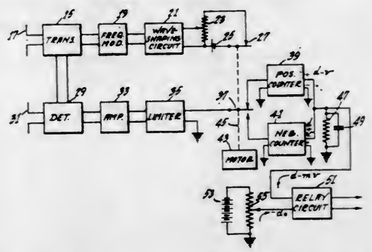
1. A limited torque coupling comprising a driving element and a driven element, means connecting the driving element to the driven element adapted to disengage the said connection at a predetermined torque load, adjustable means within one of the said elements to vary the torque load at which the first mentioned means will disengage the said connection and resilient means to neutralize the effect of the centrifugal force set up by the said connecting means located in the element opposite the element containing the said adjustable means.

2,412,631
HIGH-FREQUENCY APPARATUS
Chester W. Rice, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 9, 1936, Serial No. 73,511
38 Claims. (Cl. 250—1)



7. In apparatus for ascertaining information about an object, the combination comprising means for obtaining a radio echo from said object, means responsive to said echo to indicate the direction of said object from said apparatus and its actual velocity at a given instant in said direction.

2,412,632
RADIO BOMB RELEASE SYSTEM
Royden C. Sanders, Jr., and William R. Mercer, Hightstown, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 2, 1944, Serial No. 524,794
10 Claims. (Cl. 250—1)



7. The method of providing response to a predetermined relationship between speed and distance with respect to a reflecting object, including the steps of transmitting a frequency modulated signal to said reflecting object, receiving said signal after reflection, combining said received signal with said transmitted signal to produce a beat signal, deriving from said beat signal during increase in frequency of said transmitted signal a D.-C. voltage proportional to the frequency of said beat signal, deriving from said beat signal during decrease of frequency of said transmitted signal a second D.-C. voltage proportional to the frequency of said beat signal but of opposite polarity to said first D.-C. voltage, combining said first and second D.-C. volt-

ages to provide a resultant D.-C. voltage having an average magnitude proportional to the algebraic sum of said first and second D.-C. voltages and effecting response to the attainment by said resultant voltage of a predetermined magnitude.

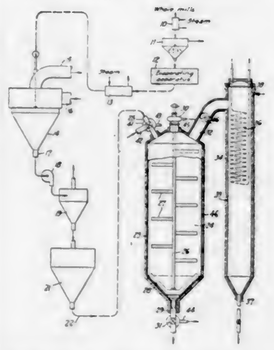
2,412,633
LUBRICANTS
Murray L. Schwartz, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 20, 1944, Serial No. 545,869
15 Claims. (Cl. 252—33)

1. A lubricant composition having corrosion inhibiting properties comprising from about 1% to about 10% of a castor compound, selected from the group consisting of castor oil, castor amide and glycerol monoricinoleate, from about 0.1% to about 2% of a sulfurized terpene, small but corrosion inhibiting amounts of a soap of a preferentially oil-soluble petroleum sulfonic acid, and a major proportion of a hydrocarbon lubricating oil.

2,412,634
LUBRICANT
Murray L. Schwartz, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 11, 1945, Serial No. 634,396
20 Claims. (Cl. 252—33.4)

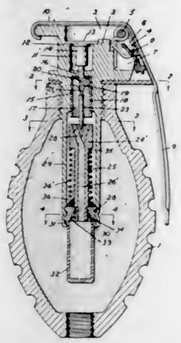
1. A composition of matter comprising about 5% to about 40% of a soap of a preferentially oil-soluble petroleum sulfonic acid, about 0.5% to about 10% of a castor compound selected from the group consisting of castor oil, castor amide and glycerol monoricinoleate, and a major proportion of a hydrocarbon lubricating oil.

2,412,635
PROCESS FOR PRODUCING DRIED MILK POWDER
Paul F. Sharp, Piedmont, Calif., assignor to Golden State Company, Ltd., San Francisco, Calif., a corporation of Delaware
Application November 25, 1943, Serial No. 511,717
11 Claims. (Cl. 99—201)



1. In a process for the manufacture of powdered milk products from liquid lacteal material, the steps of spraying the material into contact with hot air in a controlled drying chamber, removing the relatively high humidity gas from the chamber, removing powdered product from the bottom of the chamber at an elevated temperature of the order of from 170° F. to 185° F. and having a moisture content of the order of from 3.5 to 5% and before any appreciable drop in temperature has occurred, subjecting the powder to a relatively low pressure of the order of from 0.25 to 0.10 inch of mercury for the relatively short period of time sufficient to evaporate the moisture content of the powder down to a value of the order of from 1.0 to 2.0%, said evaporation effecting substantial cooling of the powder.

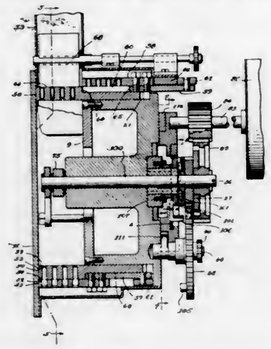
2,412,636
GRENADE FUSE
Frank Short, Canton Center, Conn.
Application February 18, 1943, Serial No. 476,300
8 Claims. (Cl. 102—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fuse, in combination, a body containing an explosive charge, a detonator in said charge, a friction primer for igniting said detonator, a member having a friction portion for igniting said primer, spring means for urging said member relative to said friction primer, dislodgable means for normally locking said member against movement relative to the friction primer, a fuse train for igniting said detonator and having a portion thereof for retaining said dislodgable means in locking position to render said friction device inoperative, said locking means adapted to be dislodged only after that retaining portion of the fuse train in contact with said dislodgable means has been first consumed and then upon impact of said body to permit the spring urged member to ignite the friction primer, to cause instantaneous explosion of the charge upon impact of said body.

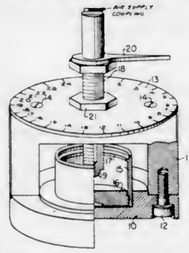
2,412,637
CAPSULE FILLING DEVICE
Ralph W. Smith, Detroit, Mich., assignor to Flint Machinery Company, Flint, Mich., a corporation of Michigan
Application April 8, 1941, Serial No. 387,473
7 Claims. (Cl. 226—41)

1. In a capsule filling machine a cylindrical capsule body carrier provided with longitudinal rows of radial holes about its periphery, said holes being adapted to receive capsule bodies, a plurality of arcuate plates slidably mounted for axial movement on the periphery of said carrier, said arcuate plates having longitudinal rows of radial holes adapted to be aligned with the holes in said carrier and receive capsule caps, an arcuate cam track, means on each of said arcuate plates to engage said cam track, means to rotate said cylindrical carrier and plates whereby said



arcuate plates are axially reciprocated on said cylindrical carrier to temporarily expose said capsule bodies for filling.

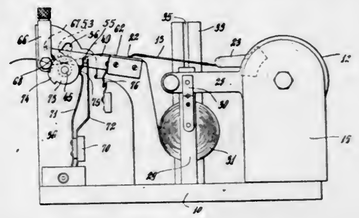
2,412,638
RUBBER SEAL AGING TESTING APPARATUS AND METHOD
Albert D. Swensen, Washington, D. C.
Application January 8, 1945, Serial No. 571,893
2 Claims. (Cl. 73—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of testing gasket materials for their sealing quality, comprising, pressing a nozzle against a specimen to indent the material a given amount thereby to form a chamber sealed by said material, covering the exterior portion of the material outside of said chamber with a liquid, applying gas pressure to the inside of said chamber until leakage occurs, and measuring the pressure at which the leakage occurs as an index of the sealing quality of the material.

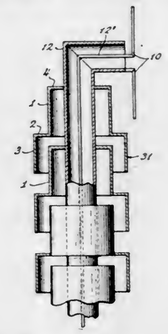
2,412,639
ELECTROCARDIOGRAPH
Paul Traugott, New York, N. Y., assignor to Electro-Physical Laboratories, Inc., New York, N. Y., a corporation of New York
Application June 2, 1944, Serial No. 538,479
5 Claims. (Cl. 234—70)

5. In an electrocardiograph comprising a stylus adapted to produce cardiograms on a chart; a pair of fixed supports, a frame pivotally mounted on said supports having an end portion conformed to support the chart, resilient means for maintaining said frame in a predetermined normal angular position wherein the chart is in contact with the stylus, a cam surface formed on said frame, and means carried by one of said supports movable into engagement with said



cam surface to angularly displace the frame from said normal position thereof in opposition to said resilient means to move the chart supported by the frame out of contact with the stylus.

2,412,640
TRANSMISSION LINE
Russell H. Varian, Wantagh, and William W. Hansen and John R. Woodyard, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporate body of California
Original application September 30, 1941, Serial No. 412,918. Divided and this application October 2, 1942, Serial No. 460,498
3 Claims. (Cl. 178—44)

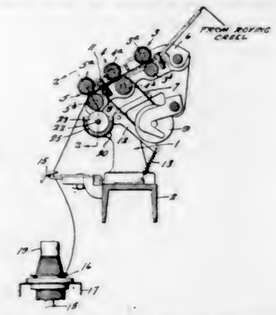


1. Means for preventing ultra high frequency current flow on the exterior surface of a conducting member comprising a plurality of conducting shells surrounding said member, each of said conducting shells having a portion of reduced diameter connected to said member and a portion of larger diameter partially overlapping the portion of reduced diameter of an adjacent shell, said adjacent shells forming together with said member a plurality of resonant structures providing a high impedance to ultra high frequency current flow between said adjacent shells.

2,412,641
SPINNING OF COTTON YARN
Benjamin L. Whittier, Ruxton, and Willis E. Johnson, Baltimore, Md., assignors to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md.
Application May 29, 1944, Serial No. 537,912
21 Claims. (Cl. 57—35)

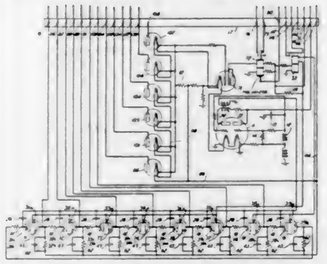
1. A method of spinning cotton yarns comprising drawing a roving strand to reduce the same to

required yarn size, wetting the drawn strand at



the end of the drawing but prior to twisting, and then twisting the wetted strand to form the yarn.

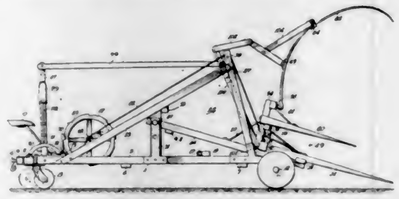
2,412,642
ELECTRONIC TELEGRAPH TRANSMITTER DISTRIBUTOR
Jefferson R. Wilkerson, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1943, Serial No. 499,949
24 Claims. (Cl. 178—69)



1. In a code transmitter, means for generating current oscillations consisting of cycles equal in length to code signaling impulses, individual means for counting a predetermined number of said cycles as a group to identify them as pertaining to start impulses, signaling code impulses and stop impulses of code signals, means for setting up signaling codes, a transmisison line, a line keying device associated with said line, and means controlled jointly by said counting means and said code setting-up means for controlling said keying device.

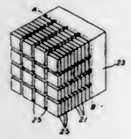
2,412,643
HAY FEEDER
John Gust Maki, Hanna, Wyo., assignor of one-half to A. S. Allen, Hanna, Wyo.
Application April 17, 1945, Serial No. 588,778
3 Claims. (Cl. 214—131)

1. A vehicle adapted for use as a hay feeder for animals comprising: a wheel supported framework; a second framework pivotally connected to said first named framework; a platform for supporting hay rigidly secured to said second named framework adapted to be thrust into a haystack; hay retaining prongs pivotally associated with said platform; means for raising and lowering said second named framework, including a ratchet wheel and an element both mounted on said first named framework, said element comprising a locking pawl member and a brake member selectively engageable with said ratchet



wheel to lock said ratchet wheel in one position of said element and exert a braking action on said ratchet wheel in another position of said element; and means for raising and lowering said prongs.

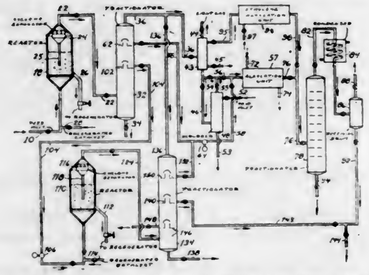
2,412,644
METHOD OF MANUFACTURING COATED ARTICLES
John T. Muller, Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1944, Serial No. 535,169
4 Claims. (Cl. 125—12)



1. A method of making laminar articles having a coating on one face thereof from hard and brittle material shapable by abrasives which comprises steps of forming a flat smooth face on a body of the material, coating the face so formed, cutting off a coated slice of the material by a cut parallel to the said face, coating the face of the body thus formed with tough and fracture resisting substance, cutting off a second coated slice by a cut parallel to the new coated face, repeating the steps of coating a new face and cutting off an additional coated slice until a desired part of the original body has been converted into coated slices, cementing the coated slices together to substantially reconstitute the body, making a plurality of mutually parallel cuts in but not completely through the reconstituted body across the slices to sever these into separate stacks of cemented bars, making a second plurality of mutually parallel cuts in but not completely through the reconstituted body across the bars to sever these into separate stacks of cemented chequers, and treating the aggregate of chequers so formed to release the same from the cement.

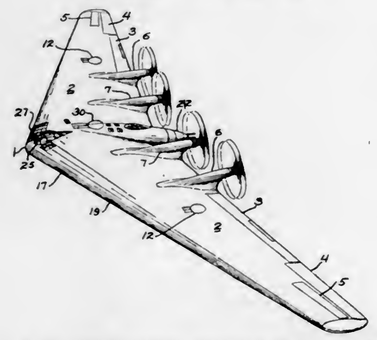
2,412,645
TREATING HYDROCARBON FLUIDS
John C. Munday, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 14, 1943, Serial No. 506,169
1 Claim. (Cl. 260—683.4)

A method of producing aviation gasoline which comprises separating a catalytically cracked naphtha into a light naphtha fraction having a boiling range of about 60–165° F., an intermediate naphtha fraction having a boiling range of about 170–220° F., and a heavy naphtha fraction having a boiling range of about 220–410° F., alkylating the separated light naphtha fraction with isobutane to transform olefins to branched



chain hydrocarbons, discarding the separated intermediate naphtha fraction, catalytically cracking the heavy naphtha fraction to higher aviation quality constituents and combining said alkylated products with said catalytically cracked heavy naphtha fraction to produce aviation gasoline.

2,412,646
TAILLESS AIRCRAFT
John K. Northrop, Los Angeles, and William R. Sears, Inglewood, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application August 1, 1944, Serial No. 547,594
In Canada December 15, 1943
21 Claims. (Cl. 244—13)



1. A tailless airplane comprising a wing having a tapered and swept back planform, and pusher propelling means disposed rearward of the trailing edge of said wing, said airplane having its center of gravity located within substantially 3% of the mean aerodynamic chord of the wing from the areodynamic center of the wing.

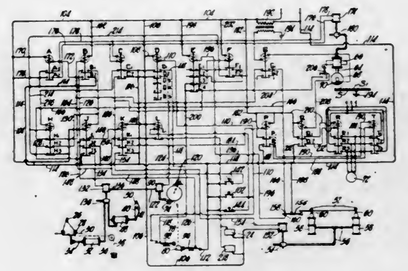
2,412,647
AIRCRAFT
John K. Northrop, Los Angeles, and William R. Sears, Inglewood, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application August 8, 1944, Serial No. 548,586
4 Claims. (Cl. 244—13)

1. In a tailless airplane having a sweptback wing, the combination of landing flaps hinged to the center section of said wing and forming a part of the trailing edge thereof, said landing flaps being deflectable downwardly to increase the lift and drag of the wing, elevator surfaces hinged to said wing laterally outwardly from the ends of said landing flaps, said elevator surfaces being operable to control the longitudinal attitude of



the airplane, and pitch control surfaces pivotally mounted at the outer ends of said wing and spaced rearwardly of said landing flaps, said pitch control surfaces being deflectable simultaneously with said landing flaps and in the opposite direction therefrom to produce a pitching moment substantially equal to and opposite in sense from the pitching moment of the landing flaps.

2,412,648
AUTOMATIC POSITIONING AND WELDING
George H. Rendel, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application July 1, 1944, Serial No. 543,135
20 Claims. (Cl. 219—4)



1. Strip positioning apparatus for strip processing lines comprising a rotatable roll for drawing the strip through the line, means for rotating said roll, means for actuating said rotating means, a wheel adapted to be swung into contact with said roll by said actuating means, a cable drum mounted for rotation with said wheel, a cable wound on said drum, a weight on the lower end of said cable, the position of said weight indicating the relative position of said strip, and means actuated by said weight for stopping the rotation of said roll when the strip has reached the desired position.

2,412,649
PROCESS OF SEPARATING 3-PICOLINE, 4-PICOLINE, AND 2,6-LUTIDINE
George Riethof, Mount Lebanon, Pa.
No Drawing. Application June 15, 1945, Serial No. 599,765
7 Claims. (Cl. 202—42)

1. The process of separating a mixture predominately containing at least two of the bases 3-picoline, 4-picoline, and 2,6-lutidine which comprises including in the mixture ortho-hydroxychloro-benzene and fractionally distilling the mass.

2,412,650
PROCESS OF SEPARATING 3-PICOLINE, 4-PICOLINE, AND 2,6-LUTIDINE
George Riethof, Mount Lebanon. Pa.
No Drawing. Application June 15, 1945, Serial No. 599,766
7 Claims. (Cl. 202—42)

1. The process of separating a mixture predominately containing at least two of the bases 3-picoline, 4-picoline, and 2,6-lutidine which comprises including in the mixture formic acid and fractionally distilling the mass under reduced pressure.

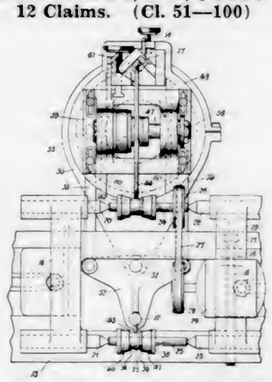
2,412,651
PROCESS OF SEPARATING 3-PICOLINE, 4-PICOLINE, AND 2,6-LUTIDINE
George Riethof, Mount Lebanon, Pa.
No Drawing. Application June 15, 1945, Serial No. 599,767
8 Claims. (Cl. 202—42)

1. The process of separating a mixture predominately containing at least two of the bases 3-picoline, 4-picoline, and 2,6-lutidine which comprises including in the mixture an aliphatic acid having 2 to 5 carbon atoms in the molecule, and fractionally distilling the mass.

2,412,652
PROCESSES RELATING TO THE PRODUCTION OF BOARD AND THE PRODUCT RESULTING THEREFROM
Fritz Rosenthal, Indianapolis, Ind., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee
No Drawing. Application May 14, 1943, Serial No. 487,068
9 Claims. (Cl. 260—9)

1. The method of forming a board which comprises comminuting cottonseed hull bran, mixing therewith a resinous composition derived from pine wood by extraction with a coal tar hydrocarbon which composition is substantially insoluble in petroleum hydrocarbons, has a methoxy content of 3 to 7%, and contains oxidized abietic acid, and subjecting the resulting mass to heat and pressure until a homogeneous board is produced.

2,412,653
FORM TOOL GENERATING FIXTURE
Walter F. Ross, Oakland County, Mich., assignor to Motor Tool Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 4, 1944, Serial No. 561,988
12 Claims. (Cl. 51—100)



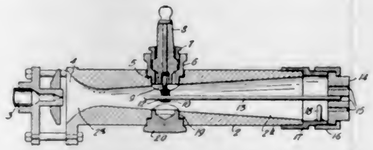
1. In a circular form tool grinding device of the class described, a work-guiding table, a work-grinding abrasive wheel, a profiled stop carried by said table having the form of the envelope of the work as it is to be ground, a follower finger presented to a longitudinal line on the profiled surface of said stop, means for adjusting the angularity of presentation of the said wheel and the said follower to the work and to a dummy respectively, and means for adjustably moving said wheel toward the work perpendicular to the axis of the wheel, while maintaining the relationship of the axis of angular setting of the wheel to the angular setting axis of the follower.

2,412,654
LUMINESCENT SCREEN AND METHOD OF MANUFACTURE
Meier Sadowsky, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1942, Serial No. 432,600
10 Claims. (Cl. 250—80)



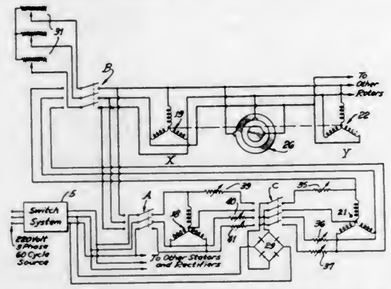
1. The method of making a luminescent screen comprising the steps of covering a substantially horizontal foundation with a liquid solution containing a solute capable of being precipitated, distributing a phosphor material over the exposed surface of said solution, allowing at least a portion of said phosphor material to settle into contact with said foundation, adding a precipitant to said solution to form a precipitate, allowing said precipitate to settle into contact with said phosphor material and removing the liquid from said foundation.

2,412,655
IGNITION DEVICE
Earl H. Shannon, Gary, Ind.
Application September 30, 1944, Serial No. 556,586
2 Claims. (Cl. 175—115)



1. In an ignition device for use with a tubular burner having a perforated refractory cap on its discharge end, the combination which includes an electrode disposed within and extending longitudinally of the burner, said electrode being supported by and terminating in said refractory cap, a ground electrode disposed within the burner and located within two inches of said refractory cap and forming a spark gap with said first named electrode, and an electrical conductor extending into said burner intermediate the length thereof, said conductor supporting the inner end of said first mentioned electrode.

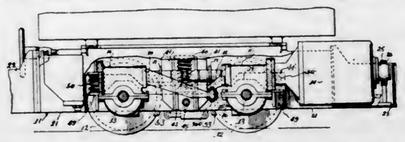
2,412,656
ELECTRIC MOTOR SYSTEM
Thomas C. Sharp, North Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application April 8, 1943, Serial No. 482,226
10 Claims. (Cl. 172—274)



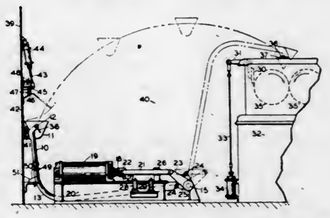
1. A motor system comprising a source of alternating current energy, a source of direct current energy, a plurality of motor units each having a pair of stators and a pair of rotors, all of said rotors of all of said units being electrically interconnected, said rotors of each of said units being mechanically and electrically interconnected, one of said stators and one of said rotors of each of said units forming a motor section and the other of said stators and rotors of each of said units forming a second motor section, said first mentioned section having a predetermined maximum speed as an individual section and said second section having a different maximum speed as an individual section, the final constant speed of operation of each of said units being at the intersection of the speed characteristics of said two sections, said operating speed being less than said first mentioned maximum speeds, and a plurality of switching means between said source of alternating current energy and the stators of said first mentioned section of each of said units and the rotors of each of said units, and between said direct current energy source and said stators, one position of said switching means connecting said source of alternating current energy to the stator of said first mentioned section of each of said units, and connecting said source of direct current energy to the stator of said second section of each of said units, said units being adapted to be magnetically locked, accelerated, and run in step at a synchronous speed determined by the number of poles of said motor sections.

2,412,657
MINE LOCOMOTIVE
Charles E. Stoltz, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 21, 1944, Serial No. 519,092
8 Claims. (Cl. 105—133)

3. A locomotive having a main frame including two parallel spaced longitudinally extending side frame members, two longitudinally spaced axles having track wheels thereon, a motor disposed adjacent one end of said frame and extending longitudinally thereof between said side frame members, for driving said track wheels, gear housings pivotally mounted on each of said axles, a fixed connection between the forward end of the casing of said motor and one of said gear housings, a universal coupling connecting the gears of said gear housings together, a stabilizing connection between said gear housings, means for supporting said main frame on said axles including a pair of laterally spaced longitudinally extending equalizing bars having said axles journaled thereon, each of said side frame members having a vertically extending guide intermediate said axles, forming guides for said equalizing bars and a means for transmitting power from said wheels and equalizing bars to said main frame, spring means limiting downward movement of said frame with respect to said bars along said guides, spring means interposed between opposite ends of said bars and said frame, and a universal pivotal connection between the rear end of said motor and said frame.



2,412,658
CHARGING MECHANISM
Joseph Stuart, II, and Kurt Wassen, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application December 17, 1945, Serial No. 635,575
8 Claims. (Cl. 18—2)

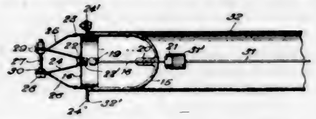


1. In a device for automatically charging rolls, the combination of a charging trough; a safety loading door; means for supporting the charging trough; means for actuating the charging trough from the safety loading door to a position over the rolls and return; means for tilting the charging trough over the rolls; means for opening and closing the safety loading door; and interlocking controls of the means for actuating the charging trough and the means for opening and closing the safety loading door.

2,412,659
ELECTRON DISCHARGE DEVICE
Charles H. Thomas, Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1942, Serial No. 445,111
8 Claims. (Cl. 250—27.5)

1. An electron discharge device having an envelope containing a gaseous atmosphere and closed at one end by a flexible diaphragm, a

first electrode supported on said diaphragm within said envelope, and a second electrode supported within the envelope closely adjacent the first electrode on said diaphragm providing a gap between said electrodes, and adjustable means supported outside said envelope and secured to said



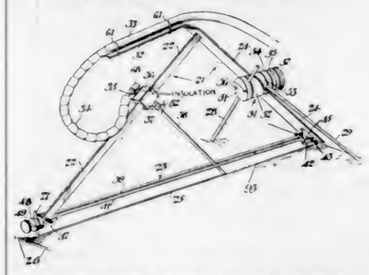
diaphragm for flexing said diaphragm to vary the gap between said electrodes, and a flange on said diaphragm and a terminal connected to the second electrode, said flange and terminal being adapted to be secured to the inner and outer conductors of a coaxial transmission line.

2,412,660

GRAVITY-FEED ARC-WELDING APPARATUS

Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application July 7, 1944, Serial No. 543,883
7 Claims. (Cl. 219—8)



1. A gravity-feed arc-welding apparatus comprising a frame of triangular shape including a slide part, a guiding part and a third side, means for supporting the frame so that the guiding part will lie substantially parallel with the portion of the work-piece to be welded and the slide part vertically inclined over the guide part, a welding rod holder connected to the slide part to slide down the same due to force of gravity thereupon, a welding rod carried in the holder to move therewith and extending past the guide part and into contact with the work, said holder and the rod moving down the slide part as rod material from the contacting end of the rod is deposited on the work-piece, said guide part being a pair of spaced parallel rods, adjustable means for connecting the rods to the lower end of the slide part and the lower end of the third side so as to permit the rods to be adjusted toward and away from each other to accommodate different size welding rods or alter the permissible sidewise play for a given welding rod, said third side having an inwardly extending lug, said adjustable means comprising bolts extending through the rod ends and the slide part or third side part to which the rods are connected, and coil springs on each bolt, one at each side of the slide part or third side lug, to maintain the rod ends equally spaced therefrom as the bolts are adjusted to vary the spacing between the rods, said welding rod extending between the spaced guide rods so as to be allowed only limited sidewise movement and be generally maintained along the line of weld during the welding operation.

2,412,661

PROCESS FOR MAKING STAINLESS STEEL

Stephen F. Urban, Chicago, Ill., assignor to Illinois Steel Corporation, a corporation of New Jersey

No Drawing. Application March 19, 1943, Serial No. 479,788
2 Claims. (Cl. 75—12)

1. A process of manufacturing a copper-bearing austenitic stainless steel insensitive to intergranular corrosion, involving additions of an oxygen compound of copper to a charge of plain carbon steel scrap and nickel in an electric furnace, thereby causing a sufficient loss in carbon content, to provide a final carbon content, after subsequent additions of manganese, chromium and the like, of not more than 0.03 percent.

2,412,662

X-RAY APPARATUS

William Watson, Ilford, England

Application August 23, 1944, Serial No. 550,733
In Great Britain September 3, 1943
11 Claims. (Cl. 250—105)



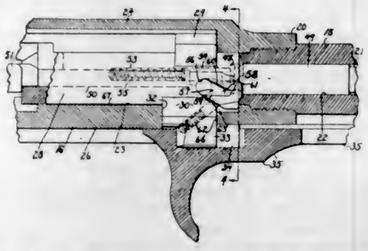
1. Apparatus comprising a substantially point shaped source of rays, a substantially plane element on which a beam of said rays is desired to fall, a diaphragm substantially parallel to said plane element and located between said element and said source of rays, the aperture in said diaphragm serving to define the cross-sectional area of a beam of said rays emitted by said source, and a longitudinally extensible member extending between said source and said plane element and joining the same, the said extensible member having at least one point in its length which moves as the said member is extended or retracted a distance which is a constant fraction of the amount by which the said member is extended or retracted, the said diaphragm being mounted on the said extensible member at one such point.

2,412,663

CARTRIDGE-EXTRACTING MECHANISM FOR FIREARMS

David M. Williams, New Haven, Conn., assignor to Olin Industries, Inc., a corporation of Delaware

Application November 2, 1944, Serial No. 561,528
3 Claims. (Cl. 42—25)



1. A firearm-structure, including in combination: a breech-bolt constructed and arranged to both longitudinally reciprocate and transversely oscillate in the hereinafter-mentioned receiver;

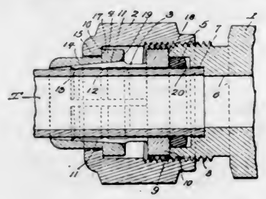
a cartridge-extractor pivoted to the said breech-bolt for bodily movement therewith and pivotal movement relative thereto and provided with an outwardly-facing retaining-abutment; and a receiver having a bolt-receiving passage therein in which the said breech-bolt is movably mounted, the said receiver being formed within the forward-portion of its said bolt-receiving passage with an inwardly-facing extractor-locking abutment and with a clearance-recess circumferentially adjacent the said extractor-locking abutment, the said extractor-locking abutment being constructed and arranged in the said receiver to be engaged by the retaining-abutment of the said cartridge-extractor when the said breech-bolt is turned transversely into one position to thereby positively lock the said cartridge-extractor in engagement with a cartridge-casing, and the said clearance-recess being positioned to register with the retaining-abutment of the said cartridge-extractor when the said breech-bolt is turned transversely out of the position just referred to, to thereby free the said cartridge-extractor for pivotal movement relative to the said breech-bolt.

2,412,664

COUPLING FOR TUBES

John N. Wolfram and Walter Maky, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

Application May 20, 1944, Serial No. 536,592
7 Claims. (Cl. 285—123)



1. A coupling for tubes comprising a body member having a bore adapted to receive the tube and a recess opening into said bore, a nut having threaded engagement with said body member, a tube clamping member projecting outwardly along the tube from said body member and having slots extending inwardly from the outer end thereof, means operated by said nut for contracting said slotted end of the clamping member for gripping the tube and a gasket completely housed within said recess and adapted to make initial sealing contact with said body member and said tube, said recess and bore being dimensioned so that fluid pressure on the tube will deform the gasket into tighter sealing contact with the tube and the body member.

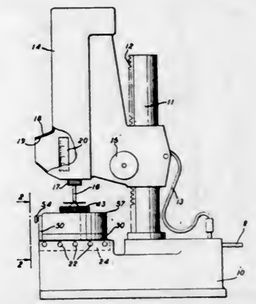
2,412,665

MEASURING APPARATUS

Roger W. Young, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 27, 1944, Serial No. 537,610
2 Claims. (Cl. 33—147)

1. In a precision gauging apparatus having a contact member resiliently displaceable in linear motion and means to adjust the normal position of the member over a narrow range along the line of motion thereof, anvil means comprising a fixed base, a split clamp nut rigidly secured on the base and coaxial with the line of motion of the contact member, the pitch of the thread of the nut being less than the range of adjustment of the contact member, a correspondingly threaded shaft engaged in the nut, a clamping screw mounted in the nut to adjust the severity of the frictional resistance thereof to rotation of the shaft therein, a dial rigidly secured on the



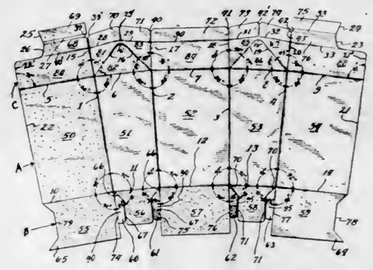
shaft and formed with angularly equally spaced detent means thereon, a movable detent mounted on the base to be engaged with the detent means on the dial or disengaged therefrom at will, and a contact face carried by the shaft and opposed to the contact member to effect gauging of an article inserted between the contact member and the contact face.

2,412,666

LIQUIDPROOF FIBERBOARD CARTON WITH BELLOWS CLOSURE

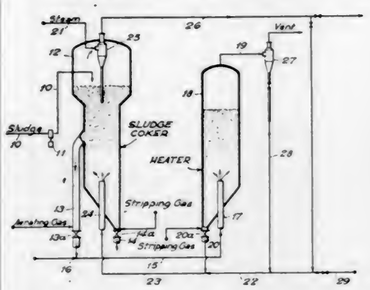
Julius A. Zinn, Jr., Belmont, Mass.

Application February 22, 1944, Serial No. 523,447
3 Claims. (Cl. 229—16)



1. A sealed top carton, formed from a single blank, said carton having a rectangular tapered body portion and a squared-up upper closure portion, comprising tapered body portions formed of panels shaped to taper downwardly, two opposed body panels being provided with integrally connected upper closing flaps separated therefrom by a scored hinge, the vertical side edges of said hinged upper closing flaps being defined by parallel scored lines making angles of ninety degrees with scored hinges of the flaps to form rectangular closing flaps, the intermediate body panels having integrally connected bellows fold top flaps with the side edges of said flaps integrally connected to the first named rectangular closing flaps, said closing flaps forming a squared-up upper closure portion with its edges located within the area of the upper end of the tapered body of the carton.

2,412,667
SLUDGE COKING
Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 8, 1944, Serial No. 544,059
9 Claims. (Cl. 23—177)



7. The method of recovering carbon and sulfur values from acid sludge produced by the treatment of petroleum hydrocarbon with sulfuric acid the steps which comprise maintaining a quantity of hot finely divided coke within a coking zone, passing a gasiform fluid upwardly through said zone at a rate sufficient to maintain the coke in a dense turbulent suspended phase, continually supplying hot finely divided coke to said zone, introducing acid sludge into said zone, intimately contacting the acid sludge and hot coke in the dense turbulent suspended phase to produce sludge coke and sulfur-containing gasiform products, withdrawing gasiform products from the coking zone, accumulating coke in a low part of said zone, grinding the accumulated coke to produce finely divided coke, and continually transferring at least a portion of the finely divided coke from said coking zone.

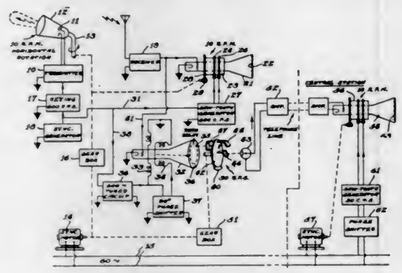
2,412,668
MAGNETIC BODY
Adolph F. Bandur, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1943, Serial No. 497,675
2 Claims. (Cl. 260—6)



1. A magnetic body comprising particles of magnetic material insulated from one another and bonded together by the end products of a heat-treated composition comprising a water-soluble soap of glycerol-phthalate resin and casein.

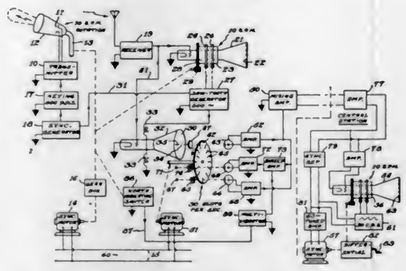
2,412,669
PULSE-ECHO POSITION INDICATOR
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 19, 1942, Serial No. 447,630
5 Claims. (Cl. 250—1)

1. In a radio system, means for transmitting pulses to an object whereby they are reflected from said object, said pulses recurring at a certain rate, means for receiving said reflected pulses in the region of the transmitting means, there being a certain time interval between the instant of transmission of a pulse and the reception of said pulse, means for converting said reflected pulses to pulses which recur at a submultiple frequency of said certain rate with each pulse of said submultiple frequency occurring at a certain time interval following a time reference



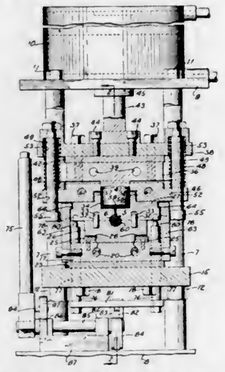
instant, said last-mentioned time interval being equal to said submultiple times said first-mentioned time interval, a cathode ray indicator tube having a beam control element, means for applying said submultiple pulses to said control element, and means for deflecting the cathode ray of said indicator tube at said submultiple frequency with the start of each deflection beginning at said time reference instant.

2,412,670
PULSE-ECHO POSITION INDICATOR
David W. Epstein, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 26, 1942, Serial No. 448,663
8 Claims. (Cl. 250—1)



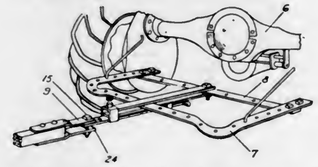
1. In a system for reducing the frequency band required to transmit the information contained in a wave consisting of periodically recurring electrical pulses each of which occurs at a certain time after the occurrence of a time-reference pulse, means comprising a cathode ray tube and a fluorescent screen associated therewith for storing an image of said first pulses on said screen with said image spaced from a time reference point by an amount determined by said certain time, said means including deflecting means for producing a straight line trace on said screen, and means for scanning said trace at a slower rate than that of the first pulses to convert said stored image to pulses recurring at said slower rate.

2,412,671
MOLDING APPARATUS
Anton J. Brunner, Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 12, 1943, Serial No. 509,983
6 Claims. (Cl. 18—30)



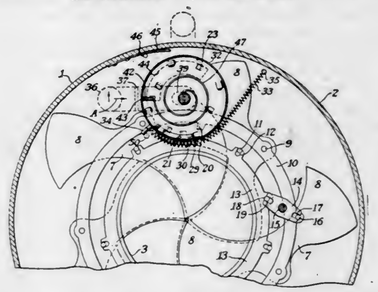
1. A molding apparatus comprising a ram, a sectional die having an upper and a lower section and a die cavity formed therebetween, said upper section projecting over the edge of said lower section, an elongated heated platen under said ram and extending outwardly therefrom for supporting said die in a molding position, in a die disassembling position and in a die unloading position and for maintaining the lower section of said die at the required molding temperature, a plurality of vertically movable shafts positioned adjacent said ram for engaging the projecting portions of the upper die section and lifting this section off the lower section, means for holding said lower section on said platen during the disassembling operation, a stop member for aligning said die sections with respect to said shafts, means for elevating said shafts, and means operable in response to the elevating of said shafts for lowering said stop member to permit the lower die section to be moved along said platen to an unloading position.

2,412,672
HITCH
Evan A. Calhoun, Jesup, Iowa
Application September 2, 1944, Serial No. 552,399
5 Claims. (Cl. 280—33.44)



1. A hitch device for tractors and the like having a drawbar support, comprising a pair of strap members pivoted at their forward ends to said support and extending rearwardly of the latter and on upper and lower sides thereof, a rear supporting bracket connecting the rear ends of said strap members and extending below the lower strap member, a forward supporting bracket carried by the lower strap member and also extending below the latter, and a slidable drawbar carried by said brackets.

2,412,673
ROTARY SHUTTER DRIVER
Clarence W. Carroll, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 12, 1944, Serial No. 530,593
21 Claims. (Cl. 95—63)



1. A photographic shutter having a casing, a master member movably mounted therein, a setting lever for moving the master member to a set position for operating the shutter, shutter blades of the double-ended type movably mounted in the shutter casing, a pair of concentric blade rings carrying said shutter blades, means for moving said blade rings in opposite directions to move the shutter blades to make an exposure, a rotary driver, means carried by the master member for moving the rotary driver one step in a driving direction by the master member, driving lugs on the driver adapted to engage and drive one blade ring in one direction to produce one exposure, and a second series of lugs on the driver adapted to engage the other blade ring and drive it in the same direction in the next successive operation of the rotary driver to produce a succeeding exposure.

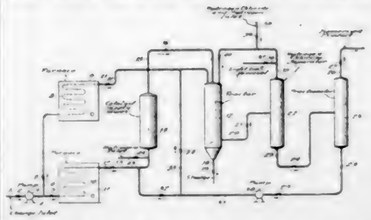
2,412,674
PHOTOGRAPHIC FIXING PROCEDURE AND BATHS
John I. Crabtree and George T. Eaton, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 17, 1943, Serial No. 502,790
8 Claims. (Cl. 95—88)

1. The process of permeating and fixing a photographic element which includes a non-gelatin layer having slight permeability to normal fixing solutions and containing a developed silver image which process comprises immersing said photographic element in a bath which contains as the essential fixing constituents from 8% to 25% of a water soluble simple salt of hydrogen iodide and a member of the group consisting of thiourea in the amount of 0.25%–87% and a soluble thiocyanate in the amount of 5%–25%, in the latter case the amount of iodide being about 25%.

2,412,675
ISOMERIZATION OF SATURATED HYDROCARBONS
Joseph D. Danforth, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1943, Serial No. 475,515
8 Claims. (Cl. 260—683.5)

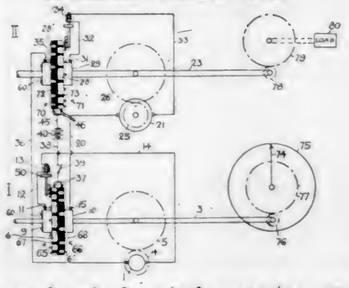
1. An isomerization process which comprises subjecting an isomerizable saturated hydrocarbon

to catalytic isomerization in a reaction zone containing a solid packing material and maintained under isomerizing conditions, maintaining in a catalyst supply zone a bed of fresh Friedel-Crafts metal halide catalyst not previously used in said reaction zone, heating a liquid stream of said isomerizable saturated hydrocarbon to a temperature sufficient to dissolve a portion of said catalyst, thereafter passing the heated stream in substantially liquid phase through said bed in the supply zone and dissolving a portion of the bed in the liquid stream, introducing the resultant catalyst-hydrocarbon solution to the reaction zone and depositing catalyst from the solution onto said solid packing material to maintain in



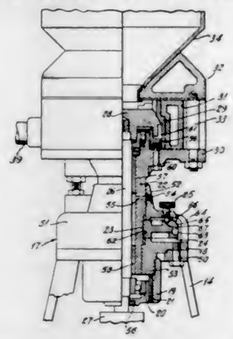
the reaction zone a catalyst concentration substantially greater than that of the solution being introduced to the reaction zone, effecting said catalytic isomerization of the saturated hydrocarbon in the presence of the catalyst thus retained in the reaction zone, substantially all of the requisite quantity of fresh metal halide catalyst for effecting said catalytic isomerization being supplied to the reaction zone in said solution, removing resultant reaction products from the reaction zone and supplying the same to a fractionating zone without passage thereof through the catalyst supply zone, and fractionating the products in the fractionating zone to recover the isomerized hydrocarbon therefrom.

2,412,676
SYNCHRONIZED MOTOR CONTROL
Leonid A. Dunajeff, Havre de Grace, Md.
Application December 16, 1944, Serial No. 568,479
14 Claims. (Cl. 172—293)



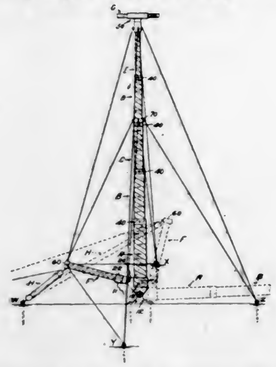
2. A synchronized control apparatus comprising a motor at a controlled point adapted to operate a useful load; a pair of rotatable commutating members at the controlled point; means to rotate one of the commutating members by the motor; one member comprising a plurality of electrically conductive elements separated by gaps, the other element comprising a contact brush slidably engaging the elements, all odd numbered elements being electrically connected together, all even numbered elements being also electrically connected together; a second pair of relatively rotatable communicating members at a control point; a rotary means to rotate one of the members of the second pair; one member of the second pair comprising a plurality of electrically conductive elements, the other member of the second pair comprising a brush slidably engaging the elements, all even numbered elements of the second pair being electrically connected together, all odd numbered elements being also electrically connected together; the two brushes being arranged to be connected to the opposite poles of a source of current; one terminal of the motor being arranged to be electrically connected with the odd numbered elements of one pair, the other motor terminal being arranged to be electrically connected with the odd numbered elements of the other pair, the rotating means being arranged to be connected with the even elements of one pair and with the even elements of the other pair, the motor being thereby successively moved step by step in synchronism with the movements of the movable member of the second pair; and means to positively stop the relative movements of the first pair at the end of each step.

2,412,677
ADJUSTABLE MILL UNIT
Edwin G. Eppenbach, Manhasset, and Henry Imshaug, Flushing, N. Y.; said Imshaug assignor to said Eppenbach
Application March 1, 1944, Serial No. 524,823
4 Claims. (Cl. 241—259)



1. In a colloidal mill device, a frame, a motive source suspended from the frame, a mill structure supported by and removably secured to the frame, said mill structure including combination journaling and adjusting means, said journaling means forming a hollow body, serving for attachment of the mill structure to the frame, with upper and lower guide hubs extending from the hollow body, a bearing cup adjustably associated with the lower guide hub and accommodating a thrust bearing, a mill shaft operative by said motive source journaled in said bearing, a guide sleeve for the shaft slidably mounted in said guide hubs; said adjusting means being operative within the hollow body of said journaling means and engaging said sleeve for adjusting the latter, a mill rotor associated with said mill shaft, said rotor being rendered adjustable in respect to said guide sleeve by way of said mill shaft through the adjustable bearing cup, a mill stator supported by said guide sleeve and being adjustable in respect to the mill rotor by way of the guide sleeve through said adjusting means in operative engagement with said guide sleeve, and means for arresting the movement of said adjusting means in the adjusted position.

2,412,678
TELESCOPIC, TUBULAR PLYWOOD MAST AND METHOD OF MAKING THE SAME
Paul R. Goldman, Andover, Mass., assignor to Plymold Corporation, Lawrence, Mass.
Application August 21, 1943, Serial No. 499,573
4 Claims. (Cl. 20—99)



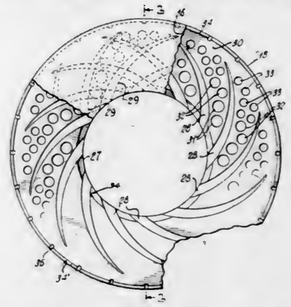
2. A portable mast for communications comprising, in combination, a series of elongated plywood tubing sections of mutually differing diameter adapting them for endwise insertive assembly into a hollow mast of given height, each smaller section having externally fixed adjacent its inserting end a concentric plywood tubing collar for direct endwise abuttive engagement with the end wall at the receiving end of the next larger section, said sections having a differential between the outer diameter of one and the inner diameter of the next larger adapting them for reverse telescoping in on another, said collars for the respective sections comprising relatively short lengths of the plywod tubing for the next larger section and each having concentrically disposed between it and its fixedly carrying section plywood filler and adhesive bonding means equalling in thickness said diametral differential.

2,412,679
PREPARATION OF ORGANIC SULFONATES AND SULFONYL CHLORIDES
Henry M. Grubb and Elton B. Tucker, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 15, 1945, Serial No. 628,992
13 Claims. (Cl. 260—513)

7. The process of sulfonating a hydrocarbon selected from the class consisting of an aliphatic hydrocarbon, an alicyclic hydrocarbon and a higher alkyl monocyclic aromatic hydrocarbon, and mixtures thereof, comprising reacting said hydrocarbon in the dark with a mixture of sulfur dioxide and chlorine in the presence of a small amount of an organic peroxide and subsequently hydrolyzing the resultant product with a basic hydrolyzing agent.

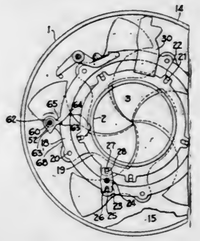
2,412,680
METERING MILL
Leslie C. Fisher, Farmingdale, and Henry Imshaug, Flushing, N. Y., assignors to Edwin G. Eppenbach, Manhasset, N. Y.
Application August 3, 1943, Serial No. 497,268
3 Claims. (Cl. 241—260)

1. In a metering mill, a pair of cooperating milling discs, at least one being rotatable relative to the other, both having grinding surfaces provided with spaced, curved grooves diminishing in cross section from within to without and terminating with their reduced ends along a circular curve which is concentric with and is substantially spaced from the outer circumference of the discs, a plurality of flat-bottom, cylindrical recesses provided in the fields between each two adjacent grooves and diminishing in sizes from within to without, the extreme edges of the



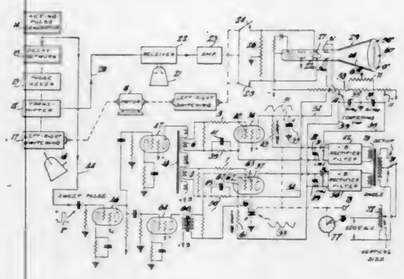
smallest recesses being also located along the circle at which the groove ends terminate, the portions of the discs between the circle and the outer periphery of the discs providing substantially broad rims having unbroken surfaces, the discs being so arranged in respect to one another that their curved grooves and cylindrical recesses are disposed in opposite positions, and means for providing a metering adjustment of the space between the disc faces.

2,412,681
CAMERA SHUTTER BLADE OPENER
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 5, 1945, Serial No. 571,413
9 Claims. (Cl. 95—63)



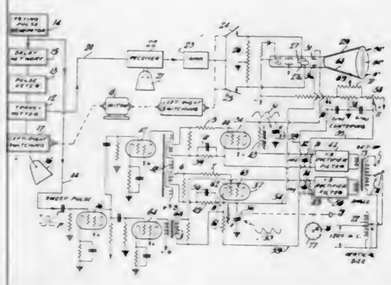
1. In a camera shutter including a casing, blades movably mounted in the casing, a blade ring operably connected to the blades, mechanism for moving the blade ring, the combination with said blades and blade ring, of a supplemental blade-opening device including a pivotally-mounted blade opener, a tooth and an abutment thereon, said blade ring including a tooth-shaped formation for engagement with the tooth on the blade opener to be moved thereby, said blade ring adjacent the tooth having an arcuate surface with which the abutment on the blade opener may engage and slide when the tooth on the opener disengages the tooth on the blade ring whereby the blade ring may slide with respect to the blade opener.

2,412,682
SWEEP OR PULSE GENERATOR
William D. Hershberger, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1942, Serial No. 453,088
5 Claims. (Cl. 315—29)



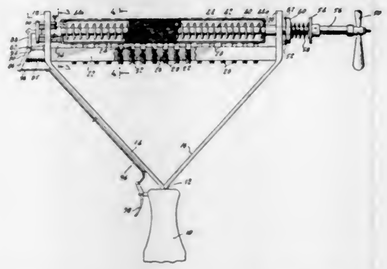
1. A cathode ray deflecting circuit comprising an electric discharge tube having a control grid circuit and an anode circuit, a capacitor and an anode resistor located in said anode circuit, means for charging said capacitor through said tube in response to the application of periodically recurring pulses to said control grid circuit, means for discharging said capacitor through said resistor, a second electric discharge tube having a control grid, an anode and a cathode, a capacitor connected between said cathode and a point that is negative with respect to said cathode, means for charging said last capacitor through said second tube in response to the application of said pulses to the said grid of said second tube, a cathode resistor for said second tube, and means for discharging said last capacitor through said cathode resistor whereby sawtooth deflecting voltages of opposite polarity appear across said capacitors.

2,412,683
EXPONENTIAL DEFLECTING AND CENTERING CIRCUITS
Max H. Mesner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1942, Serial No. 455,409
4 Claims. (Cl. 250—27)



1. A cathode ray deflecting circuit comprising an electric discharge tube having a control grid circuit and an anode circuit, a capacitor located in said anode circuit, means for alternately substantially completely charging said capacitor and substantially completely discharging said capacitor in response to the application of periodically recurring pulses to said control grid circuit, a second electric discharge tube having a control grid, an anode and a cathode, means for so applying said pulses to said last named grid as to drive it in the positive direction with respect to the cathode of said second tube, and a capacitor connected between said cathode and a point that is negative with respect to said cathode, means for alternately substantially completely charging said last capacitor and substantially completely discharging said last capacitor in response to the application of said pulses to the said grid of said second tube, and centering circuit means for bringing the anode end of the first capacitor and the cathode end of the second capacitor to predetermined direct-current potentials, respectively, at the end of each capacitor discharge.

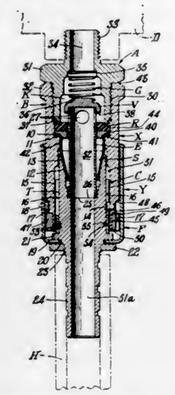
2,412,684
LIGHT-PRODUCING DEVICE
Harry G. Hillard and Clinton J. Jaeger, Sr., Bayonne, N. J.
Application April 9, 1945, Serial No. 587,410
5 Claims. (Cl. 67—28)



2. A device of the character described comprising a supporting bracket having a pair of spaced arms, a pair of axially aligned and spaced-apart straight members disposed between the spaced arms, one of the members being fixed and the other being rotatable, one of the members having a plurality of pyrophoric elements disposed therewithin and having means to resiliently urge said elements against the other of said members, means to tension the rotatable member for rotation, and means to hold the rotatable member against rotation during the tensioning, and means to release the holding means to permit the rotatable member to rotate and strike a shower of sparks from the pyrophoric elements, said shower falling on one side of the device in the direction of rotation and concentrated in a straight path.

2,412,685
CONDUIT COUPLING
James Arthur Hoffman, Roselle, Samuel R. Oldham, West Orange, and Wilgot J. Jacobsson, Plainfield, N. J., assignors to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application April 22, 1944, Serial No. 532,264
16 Claims. (Cl. 284—19)

1. A conduit coupling comprising, in combination, a socket conduit unit; a plug conduit unit readily attachable to and detachable from said socket unit; one of such units including a substantially tubular casing and a tubular elastic sealing element having one end thereof in sealing contact with the interior surface of said casing; the other of such units including a tube having an annular seat adapted to engage an annular portion adjacent the other end of said sealing element to provide a fluid-tight joint between



said sealing element and said tube when said socket unit is attached to said plug unit; said units having cooperating interlocking means operable to prevent rotation of said tube relatively to said sealing element when the latter engages said seat.

2,412,686
PROCESS OF COATING FRUIT
Arthur F. Kalmar, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application February 1, 1943, Serial No. 474,289
10 Claims. (Cl. 99—168)

10. A method of coating fresh fruit which consists in forming a solution of waxy material in a volatile petroleum distillate solvent which is immiscible with water, mixing said solution with an aqueous medium to form a temporary emulsion and applying said emulsion to said fruit.

2,412,687
ELECTRON LENS
Otto Ernst Heinrich Klemperer, Iver, England, assignor to Electric and Musical Industries, Ltd., a British corporation
Application March 31, 1944, Serial No. 528,994
In Great Britain April 8, 1942
13 Claims. (Cl. 250—160)

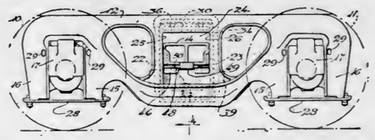


5. An electrode system for forming an electron lens comprising two aligned co-operating electrodes affording an unobstructed passage for an electron beam and of which one electrode is of smaller diameter than the other and has one end inserted within the other, the edge of said inserted end of said smaller diameter electrode being curved to provide a curved lens mid-plane, the curvature of said mid-plane being related to the shape of said electrodes to minimize spherical aberration in said lens.

2,412,688
LUBRICANT
Charles B. Large, Pasadena, Maurice J. Zucrow, Altadena, and Robert L. Hirsch, Glendale, Calif., assignors to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
No Drawing. Application September 18, 1944, Serial No. 554,720
6 Claims. (Cl. 252—43)

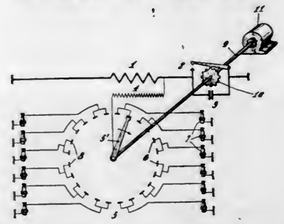
3. A lubricant which retains its lubricating qualities in the presence of strong mineral acids and which comprises a solution of, about 1% to 9% chlorinated natural rubber in a polychloropropane liquid.

2,412,689
RAILWAY CAR TRUCK
Charles P. Leese, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application May 31, 1943, Serial No. 489,121
7 Claims. (Cl. 105—191)



1. A railway car truck having separate side frames provided with central openings therein, a bolster structure extending through said openings, bearing members of hardened metal removably seated on the upper central portion of the side frames and formed with depending retaining studs for engaging portions of the side frames, and link members of inverted U-form engaging said bearing members and the opposite ends of the bolster structure for suspending the bolster structure from said frames.

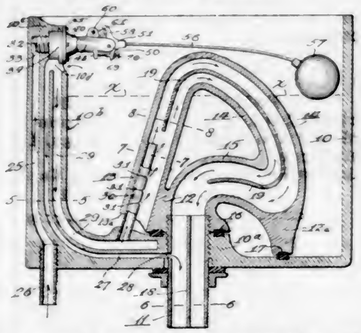
2,412,690
IGNITION APPARATUS FOR INTERNAL-COMBUSTION ENGINES
Walter Ochsenbein, Bern, Switzerland, assignor to Hasler A. G. Werke für Telephonie und Präzisionsmechanik, Bern, Switzerland
Application June 12, 1943, Serial No. 490,706
In Switzerland February 2, 1942
2 Claims. (Cl. 123—148)



1. In a high tension ignition system for internal combustion engines comprising a source of current, a primary winding and a secondary winding, and an interrupter in circuit with said primary winding, a distributor in circuit with said secondary winding including a rotary distributor lever driven by the engine synchronously with said interrupter and a plurality of contacts distributed circumferentially around the rotary axis of said lever adapted to be successively contacted thereby, said ignition system being adapted to deliver to said distributor lever at least one high voltage impulse for each of said contacts,

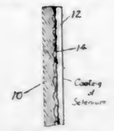
a plurality of adjacent contacts each being connected to a common spark plug terminal to fire across the spark gap thereof a plurality of times at a small phase displacement in the same ignition period.

2,412,691
FLUSH TANK
Jesse C. Owens, Los Angeles, Calif.
Application February 15, 1943, Serial No. 475,863
6 Claims. (Cl. 4—44)



1. In a toilet fixture flushing apparatus, a tank comprising walls and a bottom and having an inlet and an outlet, a float-controlled refill valve mounted for operation within said tank, a gooseneck within said tank having its open inlet end located near the bottom of said tank and its outlet end connected to said tank's outlet, means providing a duct leading from said tank's inlet to said valve, means providing a duct leading from said valve to said inlet end of said gooseneck, a tube communicating with said last mentioned duct and projecting therefrom upwardly into said inlet end of said gooseneck, and a longitudinally disposed partition within said gooseneck extending therein from adjacent the upper end of said tube to a position adjacent said outlet end of said gooseneck.

2,412,692
METHOD OF FORMING SELENIUM COATED BASE PLATES
Carl E. Peters, St. Louis, Mo., assignor to B-L Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application June 25, 1941, Serial No. 399,666
3 Claims. (Cl. 117—71)



1. The method of making an improved base plate for selenium rectifiers that comprises the roughening of the surface of a piece of metal, spraying molten nickel onto the roughened surface of the piece of metal to form a plurality of upstanding projections that constitute a thin discontinuous layer of nickel to which a coating of selenium can adhere well, subjecting said sprayed piece of metal to pressure to compress some of the larger projections, heating said discontinuous layer of nickel until it can melt selenium brought into engagement with it, and bringing selenium into engagement with said layer of nickel.

2,412,693
METHOD AND TAPE FOR JOINING PLIES
Gordon G. Pierson, Lansdale, Pa.
Application January 26, 1940, Serial No. 315,828
7 Claims. (Cl. 154—118)



5. The method of joining veneer strips to a base by adhesives using a tape of moisture and glue permeable paper, which comprises coating the permeable paper of the tape with a cold setting tape-adhesive which becomes sticky when moist, without rendering the tape impervious to moisture, moistening the tape adhesive and while it is moist gluing the tape to surfaces of abutting veneer strips to hold the strips together into a sheet, still without rendering the tape impervious to moisture, and gluing the composite sheet of veneer thus formed to the base, under pressure, with the tape within the glue line, by a laminating adhesive containing moisture, whereby the moisture of the laminating adhesive is free to penetrate to and remoisten the tape adhesive while under the laminating pressure.

2,412,694
REFUSE BURNING GRATE
Fred M. Poor, Seattle, Wash.
Application September 1, 1942, Serial No. 456,895
5 Claims. (Cl. 110—18)

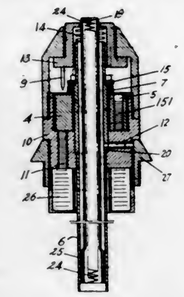


2. An acceleratory grate comprising, in combination, a plurality of superimposed concentric horizontal ring sections, each succeeding ring section slightly smaller than the ring section on which it is positioned, downwardly extending tangentially disposed webs on the under surfaces of all except the first of said ring sections, said grate forming substantially a cone, and an air duct extending under and communicating with the interior of said grate.

2,412,695
PROJECTILE
Helge Fabian Rost, Djursholm, Per Harry Elias Claesson, Jakobsberg, and Rolf Albin Svensson, Angby, Sweden
Application September 16, 1942, Serial No. 458,490
In Sweden January 7, 1942
4 Claims. (Cl. 102—7.4)

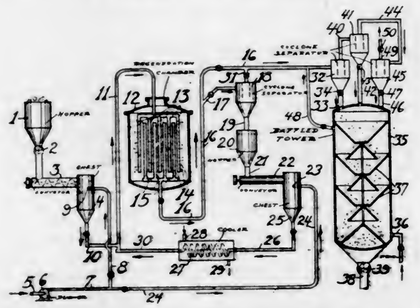
1. A projectile comprising in combination, a casing having straight external steering fins for guiding the projectile in its trajectory, a bursting charge, a detonator for said charge, a fuse and a fuse cap all within said casing, a striker head including a firing pin at an operable distance from said fuse cap, a stiff precursor of desired length and projectable from the casing,

means to project the said precursor, means to couple said precursor, upon its projection, so rigidly to said striker head that the latter and its firing pin are operated upon impact of the front



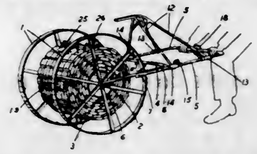
part of said precursor against the target, and means wholly within the projectile to delay the operation of said projecting means for a predetermined length of time after the projectile has departed from its starting place so as to permit stabilization of the projectile with its striker head directed forwardly in its predetermined trajectory.

2,412,696
PROCESS FOR REGENERATION OF CRACKING CATALYSTS
Jackson R. Schonberg, Westfield, and Donald L. Campbell, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 23, 1940, Serial No. 362,380
2 Claims. (Cl. 252—242)



1. In the method of regenerating a spent powdered catalyst in which said powdered catalyst is suspended in a free-oxygen-containing gas and passed through a regeneration zone, the improvements which comprise suspending a hot, recently regenerated catalyst in a free-oxygen-containing gas, cooling the last-named catalyst suspension, intermixing the suspension of regenerated and a suspension of spent catalyst, discharging the mixture into the regeneration zone, maintaining said mixture in said regeneration zone in a highly agitated state by causing the mixture to flow in the reaction zone in a multiplicity of vari-directional currents and for a sufficient period of time to effect the desired regeneration, recovering the total catalyst discharged from the regeneration zone and resuspending a portion of the hot regenerated catalyst in additional free oxygen-containing gas as aforesaid.

2,412,697
WHEELED CARRIER
Stanislaw Sochaczewski, London, England
Application December 15, 1943, Serial No. 514,337
In Great Britain July 15, 1943
6 Claims. (Cl. 242—94)



1. A wheeled carrier comprising a pair of wheels, an axle connecting said wheels and projecting at both ends a short distance beyond the wheels, a first U-shaped frame element including two parallel legs spaced a distance slightly in excess of that between the outer faces of the wheels, said legs having a length greater than the wheel radius and being pivoted at their ends to the projecting axle ends, a second U-shaped frame element including two parallel legs spaced a distance slightly exceeding that between the legs of said first mentioned frame element and having a length exceeding that of the legs of said first frame element, said legs of said second frame element being pivoted at their free ends to the legs of said first frame element at points about halfway of the length of the latter to be swingable about an axis parallel to the wheel axle, means to secure said second frame element rigidly relative to said first frame element in a position in which the two elements are disposed in substantially the same plane on opposite sides of the axle so as to form a rigid rectangular frame around the carrier pivoted to the axle thereof, and cooperating means on the legs of said two frame elements, respectively, for securing the two frame elements rigidly together in an alternative position in which the two elements are disposed in substantially the same plane on the same side of the axle whereby the second frame element serves as a handle for manually propelling and guiding the carrier.

2,412,698
CHROMIUM FOR WEAR RESISTANCE
Hendrik van der Horst, Olean, N. Y., assignor to Van der Horst Corporation of America, Olean, N. Y., a corporation of Delaware
Application February 22, 1943, Serial No. 476,753
In Great Britain September 3, 1938
27 Claims. (Cl. 309—2)



11. A wearing member having a face of chromium to operate in frictional contact with another wearing member, there being in said face

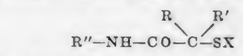
a multitude of depressions of various widths and of which the narrowest of the major number observable looking directly at the face at a magnification of 500 diameters is between about 0.00003 inch and 0.004 inch in width and the widest of said major number is between about 0.0003 inch and about 0.0125 inch in width.

2,412,699
WETTABLE COATING FOR VINYLITE SHEETING
George P. Waugh and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 12, 1944, Serial No. 522,144
2 Claims. (Cl. 106—179)

1. A composition adapted to form permanent water-wettable surfaces essentially consisting of 1 part of ethyl lactate, 1 part of methyl Cellosolve acetate, and 1 to 2 parts of a 10% solution of cellulose acetate having an acetyl content of 22–25% in approximately 45% aqueous alcohol, which composition is adapted to form a coating wettable with water but not disintegrated upon continued immersion therein.

2,412,700
THIOGLYCOLIC AMIDES
Arnold Weissberger, Charles J. Kibler, and Richard V. Young, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application June 10, 1944, Serial No. 539,780. Divided and this application March 15, 1945, Serial No. 583,002
5 Claims. (Cl. 260—455)

1. A compound having the probable formula:



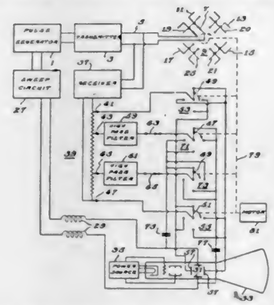
where R'' is selected from the class consisting of 2-hydroxy phenyl radicals and acylacetanilido radicals, R and R' are selected from the class consisting of hydrogen and alkyl groups, and X is selected from the class consisting of hydrogen and acyl groups.

2,412,701
BRUSH FOR ELECTRICAL MACHINERY
Edward A. Williford, White Plains, N. Y., assignor to National Carbon Company, Inc., a corporation of New York
No Drawing. Application February 27, 1941, Serial No. 380,889
10 Claims. (Cl. 171—325)

1. A brush for electrical machinery comprising a conductive carbonaceous body impregnated with polyalkylene oxide of an average molecular weight greater than about 400.

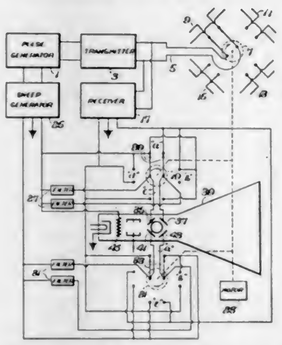
2,412,702
OBJECT DETECTION AND LOCATION
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1939, Serial No. 259,057
11 Claims. (Cl. 250—1.62)

1. The method of detecting and locating objects which includes radiating pulses in discrete and predetermined zones disposed in pairs on opposite sides of each of a pair of intersecting reference planes, receiving said pulses after reflection from an object within said zones, making said received pulses visible, and indicating the zone



from which the reflection is received by the orientation of the visible indications with respect to a reference line.

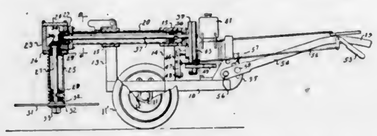
2,412,703
RADIO LOCATOR DEVICE
Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1941, Serial No. 408,849
13 Claims. (Cl. 250—1.62)



1. A radio locator including means for establishing pulses of radio frequency energy, means for radiating said energy distinctively in adjacent and different zones, means for receiving said energy after reflection from an object within said zones, a cathode ray tube including four symmetrically arranged deflecting elements, means for sweeping said ray in synchronism with said pulse radiation along a distance coordinate coinciding substantially with a diagonal of said symmetrically arranged elements, and means for connecting said deflecting elements to said receiving means to deflect said ray at angles to said diagonal sweep corresponding successively to said zones.

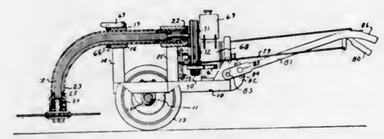
2,412,704
PORTABLE SAW
John C. Jaques, Denison, Tex.
Application February 18, 1946, Serial No. 648,351
8 Claims. (Cl. 143—43)

6. A portable saw including, a frame mounted on ground wheels, a torque tube mounted longitudinally on the frame, a circular saw suspended from the front end of the tube, saw driving means extending through the tube connected with the saw, a pulley disposed at the rear end of the torque tube and connected to the saw driving means, an engine mounted on the rear of the frame and having a forwardly directed pulley disposed beneath the saw driving pulley, said pulleys



having their rotational axes parallel to the longitudinal axis of the torque tube, a vertical belt drive between the two pulleys, a belt tightener mounted on the frame having a roller engaging the belt drive between the upper and lower pulleys, and means extending longitudinally of the frame for actuating the belt tightener.

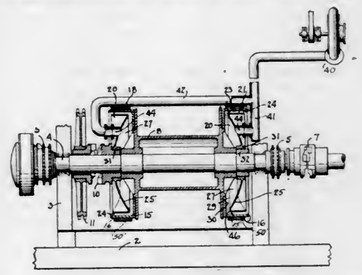
2,412,705
PORTABLE SAW
John C. Jaques, Denison, Tex.
Application June 14, 1946, Serial No. 676,767
5 Claims. (Cl. 143—43)



1. A portable saw including, a frame mounted on ground wheels, a pair of upstanding standards spaced longitudinally on the frame, clamps on the upper ends of the standards, a longitudinally arcuate torque tube secured in said clamps and overhanging the front end of the frame, a circular saw suspended from the front end of the tube, flexible saw driving means extending through the tube connected with the saw, an engine mounted on the frame in rear of the standards, a belt drive between the engine and the saw driving means, a handle bar extending rearwardly from the frame, a belt tightener mounted on the frame having a pulley engaging the belt drive, and actuating means mounted on the handle bar connected with the belt tightener.

2,412,706
AIR-COOLED HOISTING DRUM
Carl M. Anderson, Corsicana, Tex., assignor, by mesne assignments, to Bethlehem Supply Company, a corporation of Delaware
Application June 22, 1944, Serial No. 541,506
7 Claims. (Cl. 188—264)

1. An air cooled brake for hoisting drums, comprising a drum having an annular brake flange fixed thereto, a supporting shaft rotatable with said drum, a brake band engaging the outer surfaces of said brake flange, a head supported relatively rotatable on said shaft and having a peripheral flange substantially parallel to the said outer surfaces of said brake flange whereby an annular passageway is formed between the inside of the said brake flange and its own outer surface, the inner face of said head being concaved to provide a distribution chamber, and means to discharge a flow of air under pressure



into said head to flow out through said annular passageway in cooling the brake flange.

2,412,707
PROCESS FOR CAROTENE EXTRACTION
Harold M. Barnett, Long Beach, Calif.
No Drawing. Application June 7, 1943, Serial No. 489,990
8 Claims. (Cl. 260—666)

1. The process of extracting carotene from solid moist fresh vegetable carotene concentrate comprising heating the concentrate with edible oil to vaporize water and simultaneously extract the carotene in the oil, and removing the undissolved residue.

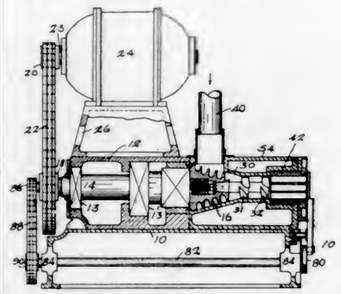
2,412,708
LUBRICATING OILS
Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application October 16, 1944, Serial No. 558,950. Divided and this application April 20, 1945, Serial No. 589,464
9 Claims. (Cl. 252—51.5)

1. A lubricating oil composition, comprising a lubricating oil and an alpha-beta, unsaturated carboxylic acid amine mixture addition-condensation polymer; said polymer being the reaction product of (A) an unsaturated amine containing at least one amino hydrogen atom and at least one ethylenic unsaturation and having at least 4 singly-bonded carbon atoms between the ethylenic double bond and the nearest amino nitrogen atom; and containing less than 32 carbon atoms per nitrogen-attached hydrocarbon group in admixture with a saturated amine containing at least one amino hydrogen atom, free from aryl radicals and containing less than 32 carbon atoms per nitrogen-attached hydrocarbon group; and (B) an alpha-beta, unsaturated, polycarboxylic acid containing less than 10 carbon atoms and free from vinyl radicals; said polymer being mixed with said lubricating oil in an amount within the range of 0.025 to about 5%.

2,412,709
BRIQUETTING MEANS
Robert T. Bowling, Lewiston, Idaho, assignor to Wood Briquettes, Inc., Lewiston, Idaho
Application August 24, 1943, Serial No. 499,794
5 Claims. (Cl. 18—12)

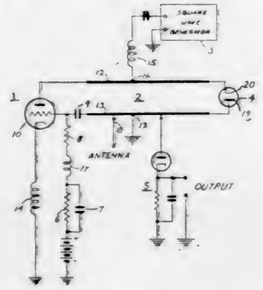
1. A briquetting mechanism, comprising: a tapered feed screw adapted to receive and gradually compress material for briquetting, a shank on said feed screw in extension thereof, a die

head having front and back spiral faces and a radial slot on said shank and spaced from the screw end, a second similar die head on said shank spaced in advance of the first mentioned die head, and a die having an end face perpendicular to the shank axis and in juxtaposition to the face of the second die head whereby the ma-



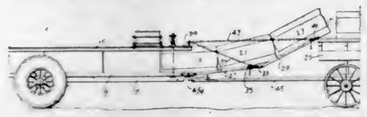
terial advanced through the second die head is compressed in a thin stream between the die head and the end face, the die having separate passages leading therethrough from said end face and positioned to receive material under compression from said second mentioned die head to divide and conduct the briquetting material outwardly.

2,412,710
SUPERREGENERATIVE RECEIVER QUENCHING CIRCUIT
William E. Bradley, Swarthmore, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 15, 1944, Serial No. 545,077
5 Claims. (Cl. 250—20)



1. In a superregenerative radio receiver, the combination comprising an oscillator tube having at least a grid, a cathode, and an anode, a resonant tank circuit comprising a segment of transmission line whose length is of the order of a half wave length of the carrier signal to be received, a source of alternating voltage having its terminals connected across said transmission line at a point of low radio frequency potential, said source functioning during odd half-cycles as a source of plate potential for said tube and during even half-cycles as a separate oscillation quenching means, and a diode connected across said transmission line at a point of high radio frequency potential, said diode being so connected that it acts as a short circuit on said line only during the said even half-cycles.

2,412,711
LOADING CHUTE FOR PICKUP HAY BALERS
Thaddeus E. Brewer, Crittenden County, Ark.
Application August 28, 1944, Serial No. 551,566
4 Claims. (Cl. 100—19)



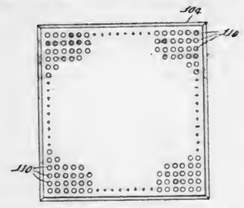
1. The combination with a baling press, including a baling box open for discharge at its rear end, a loading chute, comprising sections of shallow channel cross section, longitudinally alined rearwardly of said box, rigid straps secured respectively along opposite sides of the bottom of said baling box, and of said chute sections at their respective rear ends, and respectively projecting rearwardly therefrom, said chute straps having at their forward ends each an upwardly extending hook, pins pivotally hinging the forward ends of said chute sections to said straps, and flexible linkage respectively connected to said chute strap hooks and to the upper rear end of said baling box, to complete the support of said chute.

2,412,712
METHOD OF ASSEMBLING FUSE LINKS
Chester W. Brown, Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application July 27, 1942, Serial No. 452,436
6 Claims. (Cl. 29—155.5)



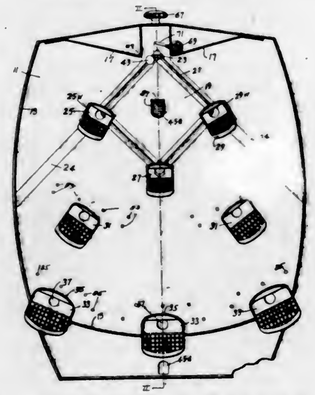
1. The method which includes the following enumerated steps: (1) making a sub-assembly comprising a relatively elongate terminal member, a fusible section connected at one end only to one end of said terminal member, a conductive leader connected at one end only to the other end only of said fusible section, and a helical spring anchored at one end only to said conductive leader and extending, from its anchorage, along said leader and co-axially therewith and away from said fusible section; (2) inserting telescopically into the bore of a protector tube the sub-assembly of the first step so that the terminal member extends into one end of the tube while the free end of the spring projects out of the other end of the tube; (3) anchoring the aforementioned free end of the spring to the adjacent end of the tube; (4) applying tensile force axially to said terminal member in a direction to effect tensioning of said spring and resultantly to effect a partial withdrawal of said terminal member from the bore of the tube and; (5) distorting said terminal member outside the bore and adjacent the end of said tube from which it projects to form a stop engaging said tube for maintaining said spring under tension.

2,412,713
ACOUSTICAL TILE
George H. Burt, Metairie, La., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Original application December 19, 1941, Serial No. 423,700. Divided and this application April 17, 1943, Serial No. 483,529
3 Claims. (Cl. 181—30)



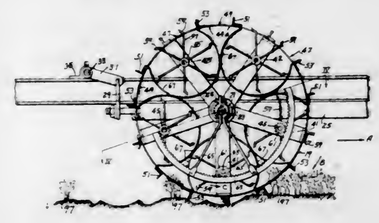
1. An acoustical tile comprising a fiber sheet having a plurality of independent, artificial sound-absorbing perforations extending inwardly from a face of the sheet, the fiber sheet compacted immediately about the openings of the perforations and the peripheral walls of the perforations comprising principally ends of fibers forming the fiber sheet.

2,412,714
BASEBALL GAME
Julius Caesar, Humboldt, Tenn.
Application April 17, 1944, Serial No. 531,424
8 Claims. (Cl. 273—90)



1. In a game apparatus, a manually manipulable board, a ball, a batter, batting means, and runners, carried by said board, said board being marked to simulate a baseball diamond, and field, means adjacent the batter end of said board supporting said board for universal tilting movement, means forming a pathway for advancement of said runners from base to base, means for advancing runners along said pathway, means at the batter's end of said board for actuating said batter and adjacent means for actuating said advancing means, a channelway for said ball underlying, and extending from the outfield and toward the batter's end of, said board, the outfield end of said channelway being open to receive said ball, and its opposite end curving upwardly through said board forwardly of said batter for delivery of said ball to said batter, means at the bases and additional means in the field for trapping balls batted on the fly, said trapping means at the bases, respectively having support members positioned on opposite sides of their related said bases, spaced to allow free passage of said ball over the base when unoccupied, but restricted to cooperate with a said runner advanced to the base to block passage of the ball.

2,412,715
COTTON CHOPPER
Charles Frederick Callahan, Memphis, Tenn.
Application April 23, 1945, Serial No. 589,891
6 Claims. (Cl. 97—16)

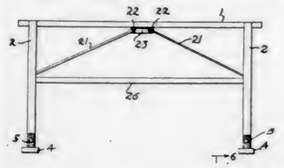


1. In a cotton chopper, a carrier having laterally spaced frame members, a drum disposed transversely to said carrier carried by said members and journalled for free rotation, said drum including a cylindrical shell of girth equalling a plurality of sectors, each of the desired hill-spacing length, said shell having therethrough, adjacent openings disposed circumferentially along and around its longitudinal center, with a pair of said openings in each sector, one opening of each said pair being rectangular and circumferentially of much greater length than the other thereof, cleats disposed longitudinally along said shell, between said openings, arms secured to and extending inward from said shell on opposite sides of said longer openings, chopping means, each including a shaft, journalled in a pair of said arms, and having radiating arms carrying hoes on their outer ends, said shaft journal being radially inward from the center of a said opening and positioned to project said hoes as they turn through said opening and beyond the surface of said shell, each said shaft having on one end thereof a pinion; an internal ring gear concentric with said shell meshing with said pinions, and means anchoring said gear against rotation.

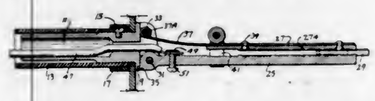
2,412,716
FOLDING HORSE
Harry C. Campbell, Toledo, Ohio
Application December 15, 1945, Serial No. 635,168
2 Claims. (Cl. 304—5)

1. A trestle of the class described comprising a bar-like back member, pairs of legs at opposite ends of said member, compound hinge connections between said member and each pair of legs adapting the legs in each pair to be swung toward each other and each pair of legs to be swung toward said member, pairs of hinge braces between the legs of each pair for preventing swinging of

the legs toward each other and comprising break joint connections whereby said braces are operative to swing said legs toward each other, means extending between said member and said braces for locking said braces against break joint operation, and means interposed between the braces of each pair of legs for preventing swinging of the legs toward said member, the first-mentioned means comprising rods pivoted on said member and attached to said braces for detachment therefrom by pivotal movement of the rods.

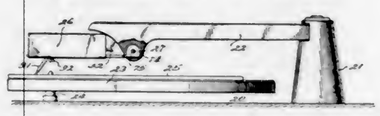


2,412,717
ELECTRODE HOLDER
John E. Cotton, Batesville, Miss.
Substitute for abandoned application Serial No. 557,977, October 10, 1944. This application September 12, 1945, Serial No. 615,797
4 Claims. (Cl. 219—8)



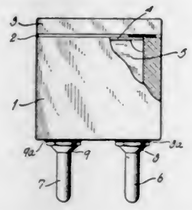
1. An electrode holder including an insulating handle, metal jaws spaced apart at, and independently hinged to, one end of said handle and extending longitudinally therefrom, and means establishing a circuit lead to one of said jaws, a first said jaw having rigidly secured thereto intermediate its length a member embracing the second said jaw, said member including a roller contacting the remote side of said second jaw, said second jaw including a resilient section and a continuing rigid jaw portion and converging from its hinge end toward said first jaw and curving into parallelism therewith at said member, whereby separation of said jaws and release of said electrode may be accomplished by deflection of said jaws.

2,412,718
RECORDER.
Roy Dally, Francis H. Goldsmith, and David J. Munroe, Racine, Wis., assignors to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application August 7, 1943, Serial No. 497,778
14 Claims. (Cl. 179—100.41)



1. In a recording unit for recording sound and the like, the combination of a non-magnetic supporting plate with a permanent magnet of high coercive force and a pair of pole pieces, said pole pieces being formed with opposing pole faces carried by substantially U-shaped end portions and said magnet being clamped between body portions of said pole pieces, the assembly being supported by said supporting plate and secured thereto by threaded members, and the said pole pieces and plate being provided with complementary aligning and spacing ribs and grooves whereby the air space between pole piece faces is accurately predetermined and maintained, and a spool for supporting a coil, said spool having upper and lower end flanges fitting between the U-shaped pole piece end portions to anchor the spool against lateral movement.

2,412,719
PIEZOCRYSTAL DEVICE OF THE SEALED TYPE
Charles F. Dausmann, New Hyde Park, N. Y., assignor to Premier Crystal Laboratories, Inc., New York, N. Y., a corporation of New York
Application May 5, 1944, Serial No. 534,190
6 Claims. (Cl. 171—327)

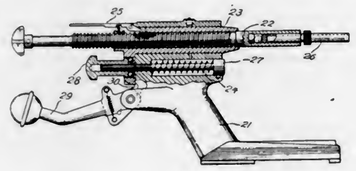


1. A piezo-crystal device comprising a housing having a cavity to receive a piezo-crystal unit, a sealing edge for the open end of said cavity, a projection adjacent to said sealing edge, a sealing closure for said cavity, means for fastening said closure against said sealing edge, said projection co-operating with said fastening means to increase the efficiency of the seal between the closure and the sealing edge.

2,412,720
SPRAY COMPOSITIONS
Clarence D. Dolman, Wenatchee, Wash., assignor to Hercules Glue Company, Ltd., a corporation of California
No Drawing. Application April 11, 1944, Serial No. 530,552
8 Claims. (Cl. 167—42)

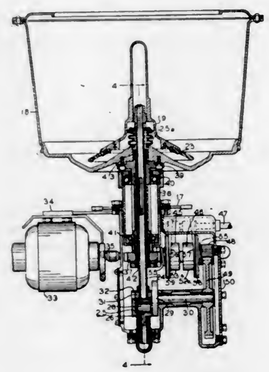
1. A spray composition consisting essentially and proportionately of about 100 gallons of water, an effective concentration of a finely divided substantially water insoluble solid organic plant protectant suspended in the water, a small quantity of a water soluble salt of a metal having a valence of at least two, and sufficient of a material selected from the group consisting of a fatty acid, a fatty acid ester, a fatty acid soap, a partially esterified fatty acid, a partially saponified fatty acid, a petroleum sulfonic acid, an ester of a petroleum sulfonic acid, a soap of a petroleum sulfonic acid, a partially esterified petroleum sulfonic acid, a partially saponified petroleum sulfonic acid, a naphthenic acid, an ester of a naphthenic acid, a soap of a naphthenic acid, a partially saponified naphthenic acid, a partially esterified naphthenic acid, a rosin acid ester, a rosin acid soap, a partially esterified rosin acid and a partially saponified rosin acid to flocculate the protectant in said composition in the presence of said salt, the composition having a pH between 5 and 9.

2,412,721
ADJUSTING DEVICE FOR LAPPING TOOLS
Alden M. Drake, West Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application November 18, 1944, Serial No. 564,155
6 Claims. (Cl. 51—184.3)



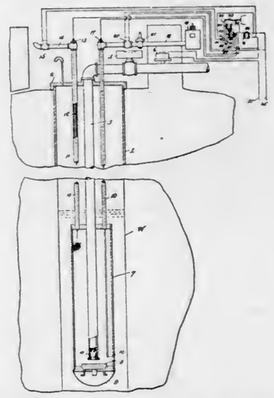
1. An adjusting device for lapping tools of the expansible sleeve type, said device comprising a striking plunger mounted in alinement with said sleeve and movable into contact with an end face of said sleeve while mounted on its spindle, means normally forcing said plunger in one direction, retracting means for said plunger, and means to release said plunger from a retracted position, whereby said plunger may strike and force said sleeve axially on its spindle.

2,412,722
DRIVING MECHANISM FOR DOMESTIC APPLIANCES
John B. Dyer, Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 20, 1943, Serial No. 472,933, which is a division of application Serial No. 227,519, August 30, 1938. Divided and this application March 16, 1944, Serial No. 526,781
7 Claims. (Cl. 74—22)



1. A driving mechanism comprising a unidirectionally rotatable motor, a rotatable shaft, a reciprocable shaft, a solenoid controller, means for drivingly connecting said motor to said rotatable shaft when said controller is electrically in one condition, means for drivingly connecting said motor to said reciprocable shaft and for maintaining said rotatable shaft stationary when said controller is electrically in another condition, and common switch means for electrically energizing and deenergizing said motor and solenoid controller.

2,412,723
PUMP
Charles Elliott, Carthage, Mo.
Application August 20, 1945, Serial No. 611,556
3 Claims. (Cl. 103—241)

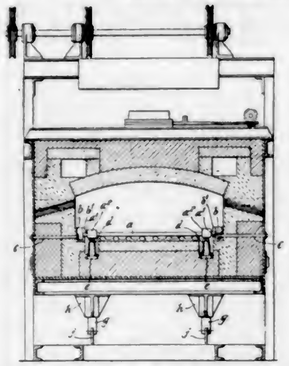


1. In a pump a cylinder to be suspended in fluid to be displaced, said cylinder having a valved intake at its lower end, an air inlet pipe and an air outflow pipe opening into the other end of the cylinder, a fluid overflow pipe leading from the cylinder and having a valved inlet adjacent to the inlet of the cylinder, an electrode having an exposed end in the lower portion of the cylinder, the fluid in the cylinder at and above the exposed end of the electrode constituting means for grounding said electrode to the cylinder, a second electrode having an exposed end in the upper end of the cylinder for contact by the fluid when the cylinder is full, an electromagnet in circuit with the electrodes, means controlled by the electromagnet when energized for maintaining a grounded circuit through said magnet by way of the grounded cylinder, the first named electrode and the fluid therebetween, an electrically opened air exhaust valve in a circuit controlled by said means, air forcing means, a connection therefrom to the air inflow pipe, an electrically closed valve in said connection, said electromagnet being de-energized by the fall of fluid from contact with both electrodes, and means released by the magnet when de-energized for opening the exhaust valve and closing the valve in said connection.

2,412,724
CONVEYER MECHANISM FOR FURNACES AND OTHER APPARATUS
John Fallon, Smethwick, England
Application December 28, 1944, Serial No. 570,167
In Great Britain June 27, 1944
5 Claims. (Cl. 214—18)

1. A conveyer mechanism for furnaces and other apparatus, comprising in combination a roller hearth consisting of a series of parallel rollers in close proximity located in a horizontal plane, said rollers being supported within elongated slots formed in brackets secured to the side walls of the furnace chamber, a pair of parallel beams adapted for reciprocal and rising and falling motion said beams co-operating with the series of rollers forming the roller hearth of the furnace, anti-friction supporting means for the beams said means being rotatably mounted on

plungers, said plungers being connected to a rocking lever and linkage mechanism which



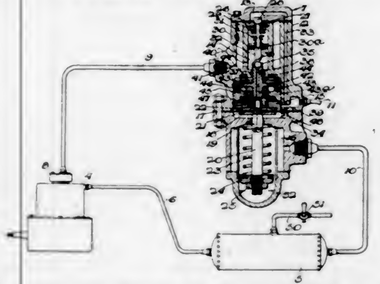
serves to transmit and effect the required lifting and lowering motion of the beams and rollers.

2,412,725

FLUID PRESSURE CONTROL MECHANISM

Ellery R. Fitch, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware

Application January 11, 1945, Serial No. 572,275
8 Claims. (Cl. 137—153)



1. A pressure responsive governor including a casing having an inlet chamber, an outlet chamber, an exhaust port, inlet and exhaust valves for normally preventing communication between the inlet and outlet chambers and for normally permitting communication between said outlet chamber and exhaust port, a valve operating element movable in one direction to close the exhaust valve and open the inlet valve, means responsive to the pressure in the inlet chamber for moving the element in said one direction, resilient means for moving the element in the other direction, means including magnets for opposing movement of the element in either direction, and means for varying the tension of said resilient means together with means to vary the effect of said magnets to adjust the range of the governor.

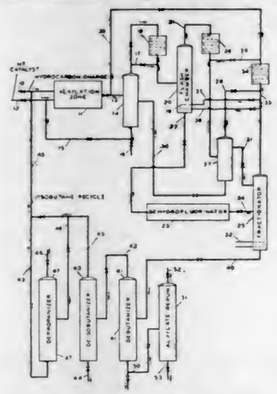
2,412,726

FLUORINE REMOVAL PROCESS

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application October 16, 1944, Serial No. 558,941
5 Claims. (Cl. 260—683.4)

3. A process for the removal of small amounts of dissolved hydrogen fluoride and high-boiling organic fluorine compounds from a liquid hydrocarbon mixture comprising primarily low-boiling and high-boiling hydrocarbons and said fluorine-containing impurities, which comprises passing such a hydrocarbon mixture to a vaporization zone under conditions such that substantially all said dissolved hydrogen fluoride and a substantial portion of said low-boiling hydrocarbons are vaporized and such as to leave unvaporized high-boiling hydrocarbons and high-boiling organic fluorine compounds, subjecting said unvaporized material to a dehydrofluorination to decompose said organic fluorine compounds contained there-



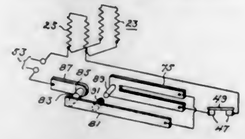
in forming free hydrogen fluoride and hydrocarbons, passing effluents of said dehydrofluorination to a fractional distillation, cooling and condensing said vaporized dissolved hydrogen fluoride and low-boiling hydrocarbons and passing a resulting hydrocarbon-containing condensate to said fractional distillation, and recovering from said fractional distillation a low-boiling fraction comprising hydrogen fluoride and a high-boiling fraction comprising both low-boiling and high-boiling hydrocarbons and substantially free from free hydrogen fluoride and high-boiling organic fluorine compounds.

2,412,727

AUTOMATIC ELECTRIC TOASTER COMPENSATOR FOR VARIABLE VOLTAGE CURRENT SUPPLY

John R. Gomersall, Elgin, and Murray Ireland, near Elgin, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Application February 16, 1942, Serial No. 431,088
5 Claims. (Cl. 219—19)



1. In an automatic electric toaster adapted for operation on electric circuits of different voltages and comprising toast heating elements, a main switch for said heating elements, means to start a toasting operation, a constant speed timer started running in response to said starting means to time the toasting period and operative to cause opening of said main switch and terminate a toasting operation after a preset fixed length of

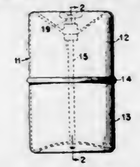
time, a second switch for controlling the energization of the toast heating elements during operation of and independently of the timer and a bimetal bar, of substantially U-shape, located out of close heat-receiving relation with the toast heating elements and electrically connected in series circuit with the toast heating elements and adapted to actuate said second switch to cause continuous application of toasting heat to a slice of bread at the start of a toasting operation until the bimetal bar has reached a predetermined value and intermittent application of toasting heat thereafter for recurrent periods determined by and variable with the value of the input voltage, and to cause the total amount of such heat reaching a slice of bread to be constant irrespective of different energizing voltages applied to the toast heating elements.

2,412,728

DEVICE FOR PRODUCING AEROSOLS

Lyle D. Goodhue, Berwyn, Md., assignor to United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office

Application December 8, 1943, Serial No. 513,400
4 Claims. (Cl. 299—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



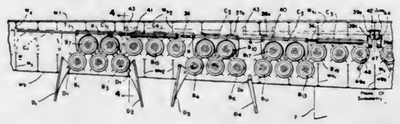
1. In combination, a hermetically sealed container, a dip tube extending from the exterior to the interior of the container, a tubular member about the opening of the dip tube on the outside of and integral with the container, a plug threadedly engageable with said tubular member, a yieldable seal in said dip tube, and a solid penetrator attached to said plug for rupturing said yieldable seal, said plug having an escape hole longitudinally therethrough, the lower end of said hole being radially offset from and non-contactable with that area of said seal which is rupturable by said penetrator.

2,412,729

AIRCRAFT LOAD HANDLING SYSTEM

Theodore P. Hall, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, a corporation of Delaware

Application September 9, 1941, Serial No. 410,128
16 Claims. (Cl. 89—1.5)



1. In a system for handling loads within an aircraft wing having a plurality of spanwise spaced openings in the lower surface thereof, a pair of rectilinear guide rails within said wing extending across said openings from the central portion of the aircraft toward the region of its wing tip, bomb-carrying units having rolling engagement with said guide rails, said carriage units being coupled to form a plurality of separately movable spanwise spaced train units, and means to selectively move said train units individually and jointly along said guide rails to positions above said openings.

2. In combination with an airplane wing having an opening in the lower surface thereof, rectilinear guide means extending in a spanwise direction across said opening, a plurality of bomb-carrying carriages each movable in sequence along said guide means into a predetermined position above said opening, said carriages coupled together to form spanwise spaced trains of interconnected carriages, normally separated releasing mechanism carried upon the wing and upon each said carriage, and normally separated arming mechanism carried upon the wing and upon each said carriage, the said mechanisms on the wing being located such that the respective mechanisms on the carriages are brought into cooperative relationship therewith as the said carriages are moved to said predetermined positions whereby said normally separated mechanisms are adapted for engagement for the arming and release of the bombs on each of said carriages only in the said predetermined position.

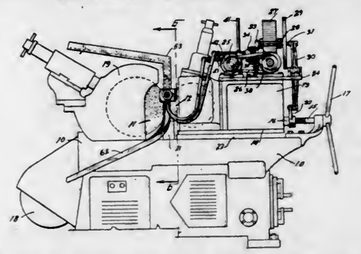
4. In bomb-carrying aircraft, guide means supported from the aircraft, a carriage movable along said guide means, said carriage being provided with mechanism for the releasable support of a plurality of bombs, a plurality of solenoid-actuated release members pivotally supported upon the aircraft selectively engageable with said carriage mechanism in a predetermined relationship of said carriage with respect to said guide means, remotely disposed means associated with said solenoids for the selective release of said bombs in said predetermined relationship, and manual means associated with said members adapted for the emergency release of all of the bombs from the carriage in its said predetermined relationship.

2,412,730

FEEDING AND EJECTING DEVICE FOR CENTERLESS GRINDERS

John E. Heckethorn, Denver, Colo.

Application July 7, 1945, Serial No. 603,658
3 Claims. (Cl. 51—103)



1. A work-piece feeding and ejecting attachment for centerless grinding machines, of the type having a grinding wheel, a feed wheel and a work rest positioned between said wheels, comprising: a horizontal in-feed guide member extending into the space between said wheels above said work rest; a magazine supporting a vertical pile of work-pieces on said guide member; a pusher block positioned to push the lowermost work-piece from said pile and from said guide member so that it may fall by gravity to said work rest; a pneumatic cylinder; a piston in said cylinder; a piston rod extending from said piston to an operative connection with said pusher block

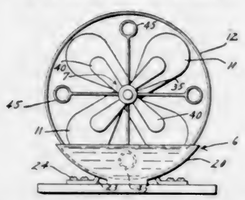
to actuate the latter; a two-way valve for alternately connecting the opposite ends of said cylinder with a source of fluid pressure; a motor operated device for moving said feed wheel toward and away from said grinding wheel; means for operating said valve from said latter device so that the movements of said valve will be in synchronism with the movements of said feed wheel; an ejector rod positioned on the opposite side of the work rest from said pusher block in alignment with a work-piece resting on said rest; a second pneumatic cylinder; a second piston; a second piston rod connecting said second piston with said ejector rod for actuating the latter; and pneumatic conduits connecting said second cylinder with said valve so that the latter will control the ejection of the finished work pieces from said work rest.

2,412,731
STRETCH FORMING MACHINE
Frederick C. Hoffman, North Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application May 10, 1944, Serial No. 534,977
16 Claims. (Cl. 153—40)



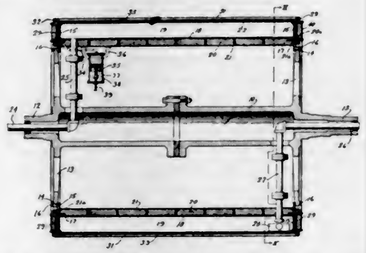
1. A stretch forming machine comprising a rotatable form block having a curved forming surface and a second surface means closer to the axis of rotation of the block than the forming surface, means for associating an elongated workpiece with the form block to be drawn onto said forming surface and formed thereto when the block is rotated, and means for rotating the form block and tensioning the workpiece as the block rotates, including an element connected between the block and a part of the workpiece which is remote from the block and trained over said second surface means to be unreeled therefrom as the block rotates.

2,412,732
BUBBLE BLOWING DEVICE
Emmette R. Holman, Pasadena, Calif., assignor to Turco Products, Inc., Los Angeles, Calif., a corporation of California
Application October 29, 1945, Serial No. 625,191
4 Claims. (Cl. 46—8)



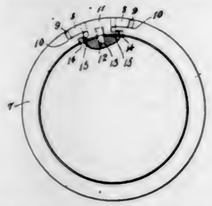
1. A bubble device comprising a trough adapted to contain a soapy film-forming liquid, a plurality of looped dippers, and means for moving the dippers through the liquid in the trough and into position exterior of the trough where an air stream may be played thereupon.

2,412,733
DRIER DRUM
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application January 29, 1944, Serial No. 520,188
2 Claims. (Cl. 257—95)



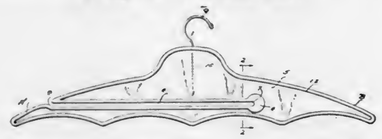
1. In a rotatable drier drum construction including a hollow axle, spaced supporting means carried by said axle, annular end plates carried by said supporting means, and a pair of spaced metallic cylinders carried by said end plates defining therewith a chamber capable of withstanding high internal pressures, means extending through the hollow axle for introducing high pressure steam into said chamber, supplemental end plates carried by the first mentioned end plates and spaced therefrom, a third cylinder of a different metal than the first mentioned cylinders carried by said supplemental end plates in coaxial spaced relation to the outer of said cylinders, a body of liquid of high heat conductivity confined within and filling the space between the outer cylinders and between said end plates, a closed fluid container in and carried by the innermost cylinder, a conduit connecting said fluid container with said body of liquid, and resiliently urged means in said container for varying the effective fluid capacity of said container in accordance with surges and variations in the volume of said body of liquid, said plates, cylinders and container being in fixed relation to rotate together as a unit.

2,412,734
PISTON RING
George Iliffe, Llandaff, Cardiff, Wales
Application July 10, 1945, Serial No. 604,227
In Great Britain July 19, 1944
1 Claim. (Cl. 309—47)



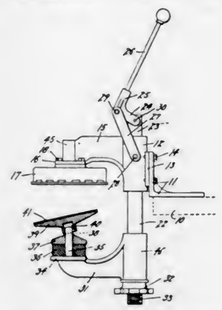
Improvements in piston rings, comprising in combination a segmental member which is adapted to be removably mounted in a piston ring groove, an inwardly projecting recess on each side thereof near its base, vertically disposed slots positioned on each side of said member extending from the top of said member into the inwardly projecting recesses, a piston ring formed at each end on the underside with a cut away portion, and a projecting portion having a tenon on the top of each portion which are adapted to fit into and be complementary with the segmental member, to provide means for preventing the disengagement of the ring from the segmental member.

2,412,735
GARMENT HANGER
Albert F. Isaak, Cedar Falls, Iowa
Application March 6, 1944, Serial No. 525,227
1 Claim. (Cl. 223—88)



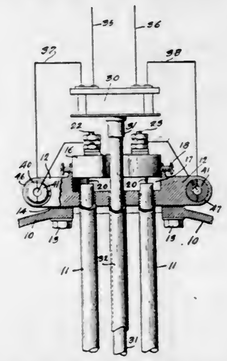
A garment hanger comprising a hanger body of solid material having a hanger hook, said body having an inwardly disposed horizontal garment receiving slot extending therein from one shoulder portion thereof to a point substantially past the vertical center of the hanger and having a closed inner end, said body at the inner end of the slot being thickened around said end to reinforce the same, said slot being straight and parallel sided and opening at its outer end onto the shoulder portion, said slot having at its open end an upstanding bottom bulge therein merging into the shoulder portion at an intermediate point thereon and adapted to prevent easy displacement of garments out of the slot.

2,412,736
TIRE TUBE REPAIR PLATE
Harold V. James, Denver, Colo.
Application August 28, 1944, Serial No. 551,540
6 Claims. (Cl. 18—18)



5. A device for repairing pneumatic tire tubes comprising: a supporting bracket; a vertical guide sleeve having an open top and bottom supported by said bracket; an arm extending forwardly from said guide sleeve; a hot plate supported by said arm with its heating surface facing downward; a vertically movable post slidably mounted in said guide sleeve and having portions projecting above and below the latter; a support rotatably mounted on and extending forwardly from the projecting below portion of said post; a platform supported by said support; a cushion member carried by said platform; a stud extending upwardly from said platform through said cushion member; a compression plate resting on said cushion member and surrounding said stud; a raised medial portion on said compression plate; a pressure plate resting on the raised medial portion of said compression plate so that it may freely tilt thereon; and means positioned above said guide sleeve and engaging the projecting above portion of said post for raising said post in its guide sleeve.

2,412,737
HEATING UNIT AND CONTROL
Arthur J. Kercher, Berkeley, Calif.
Application July 19, 1944, Serial No. 545,673
2 Claims. (Cl. 219—38)

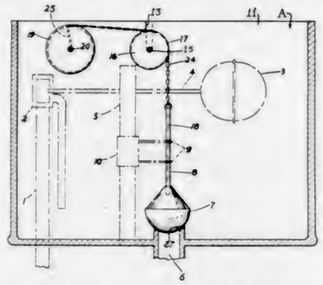


1. In a device of the character described, a tank, a heating device comprising an element extending into said tank and a head outside of said tank and in heat conducting relation thereto, a source of electric current connected to said heating element by suitable conductors, a thermostatically controlled switch adapted to permit or interrupt the flow of current through said conductors to said heating device depending upon the temperature of the material being heated, a safety device interposed in said conductors including said thermostatically controlled switch in said heating device comprising an element having therein an enclosed space, conductors spaced apart at the top and bottom of said space, a fusible element adapted to be vertically mounted between said conductors, said safety devices including a fusible link adapted to be mounted in said head and to be thermostatically responsive thereto, whereby when said thermostatically controlled switch fails to interrupt the flow of current through said conductors to said heating device when the contents of said tank reach a predetermined temperature, and the temperature of said contents exceeds said temperature, the heat of said contents will be transmitted to said safety device and the link will fuse and interrupt the flow of current through said conductors to said heating device, said space being so designed that when said link fuses the fused portion will fall to the bottom of said space, said space being sufficiently large that no arcing will occur between the upper conductor and the lower conductor and the fused material in the bottom of said space.

2,412,738
TANK FLUSHING DEVICE
George W. Martin, Oakland, Calif.
Application December 19, 1944, Serial No. 568,871
1 Claim. (Cl. 4—57)

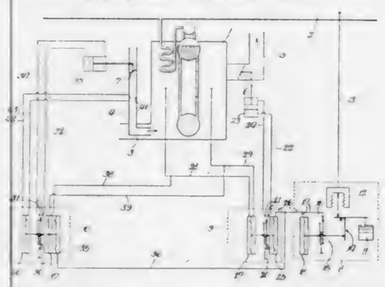
The combination with a flushing tank having front and rear walls, an outlet pipe having a valve seat for the entrance end thereof, a rubber valve for closing the pipe when resting on the

valve seat, a valve stem extending upwardly from the valve, and means for slidably holding the stem in a vertical position, of a horizontal shaft, the inner surfaces of the front and rear tank walls having opposed grooves facing each other and adapted to slidably receive the ends of the shaft, both grooves terminating the same distance below the tank top, the inner groove ends constituting supporting shoulders for the shaft ends, an idler pulley rotatably and slidably mounted on the shaft, the periphery of the pulley lying tangent to a line that coincides with the stem axis, a chain connected to the free end of



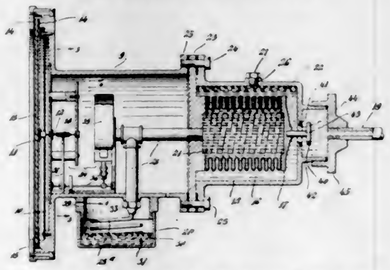
the stem and extending over the idler pulley periphery, a manually rotatable pulley mounted in the tank and above the highest water line, the free end of the chain being connected to the last-named pulley, a shaft for the last-named pulley projecting through the front tank wall, and a handle for rocking the last-named shaft and pulley, whereby a rocking of the handle will cause the chain to unseat the valve, a reseating of the valve caused by the water suction in the outlet pipe, pulling on the chain and second-named pulley for returning the handle to starting position.

2,412,739
APPARATUS FOR STEAM GENERATOR CONTROL
James D. McCracken, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application May 7, 1943, Serial No. 486,050
4 Claims. (Cl. 236—14)



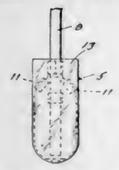
4. In a control apparatus for a steam generator or the like, a master regulator connected to be responsive to a primary impulse indicative of the load on the steam generator and to a secondary impulse generated by the regulator in response and proportional to the primary impulse to which it is subjected; a combustion air supply controller; a second regulator connected to govern said combustion air supply controller and connected to be responsive to the secondary impulse of said master regulator acting as a primary impulse and to an impulse proportional to the flow of combustion air through the steam generator acting as a secondary impulse whereby the supply of air is varied in direct proportion to the load; a fuel supply controller; and a regulator connected to govern said fuel supply controller, said last named regulator being connected to said master regulator to be responsive to the secondary impulse of said master regulator to control a portion of the fuel supply directly and immediately in response to the load on the steam generator and also connected to be responsive directly to an impulse constituting a measure of the combustion air supply exclusively, to govern the balance of the fuel supply in accordance with the combustion air supply only.

2,412,740
RATE OF RISE-DIVE INDICATOR
John D. Morgan, South Orange, and Percy B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application April 14, 1945, Serial No. 588,376
10 Claims. (Cl. 73—179)



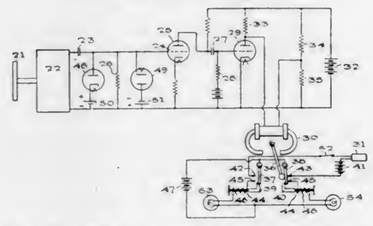
1. A rate of dive-rise indicator for submarine vessels comprising a diaphragm, means for applying pressure to one side of said diaphragm which is directly proportional to the hydrostatic pressure of the sea at varying depths; a spring for supporting said diaphragm, said spring being so calibrated as to permit displacement of said diaphragm in direct proportion to the pressure applied thereto; a liquid filled system including the other side of said diaphragm as a wall thereof and a sump which is open to atmospheric pressure; a flow restricting orifice in said system between said bellows and said sump; and a gauge for indicating pressure changes in said system resulting from displacement of said diaphragm, said gauge and said diaphragm having a displacement ratio of the order of 1:10.

2,412,741
HEADBAND TERMINAL
William E. Morgan, San Francisco, Calif.
Application June 12, 1942, Serial No. 446,845
3 Claims. (Cl. 179—156)



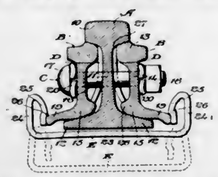
1. In a headband for a hearing aid or the like, a widened pressure terminal on one end of the band for uniformly distributing the pressure of said end against the head of the wearer comprising a pair of oblong plates extending along opposite sides of said band and having lower ends connected together and straddling said end of the band, said plates having upper ends extending in one and the same direction, the upper end of one plate including a reduced portion with side arms folded around the edges of said band to secure the same to the band, the upper end of the other plate having an opening therein through which said band is inserted.

2,412,742
DISTURBING INFLUENCE DETECTING ELEMENT
Gary Muffly, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application November 13, 1944, Serial No. 563,251
7 Claims. (Cl. 177—352)



2. A device for signaling the proximity of a passing conveyance comprising an influence detector, a latchable device for giving a warning indication when a predetermined amount of influence is detected by said detector and a second latchable device for giving a final signal when the influence recedes a predetermined amount from a received maximum influence.

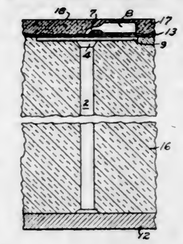
2,412,743
RAIL JOINT
George W. Muller, Miami Beach, Fla.
Application December 17, 1943, Serial No. 514,685
10 Claims. (Cl. 238—244)



1. A rail joint comprising the rails, a pair of splice bars one at each side of the rails, bolts clamping the splice bars against the rails, and yieldable means reacting from the bottom portion of each splice bar to impose a force inwardly upon the bottom portion of the other splice bar.

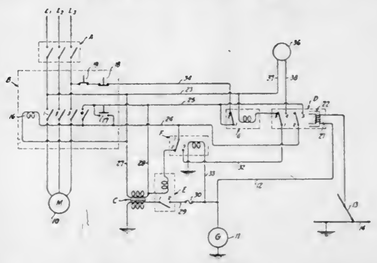
2,412,744
INSULATION STUD
Ted Nelson, San Leandro, Calif.
Application July 24, 1944, Serial No. 546,415
5 Claims. (Cl. 72—16)

1. A metal lath stud comprising a body, a shoulder disposed on the body, a bendable shank extending from the shoulder, and a separate head to seat on the shoulder and having an aperture through which the shank passes to provide a tip



over which the metal lath may be passed to lie against the head.

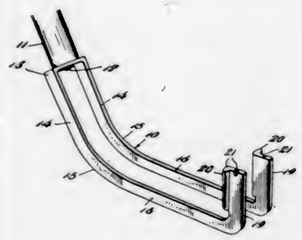
2,412,745
WELDING SYSTEM
David Packard, Palo Alto, and Noel E. Porter, Berkeley, Calif., assignors to Hewlett-Packard Company, Palo Alto, Calif., a copartnership consisting of William R. Hewlett and David Packard
Application December 17, 1943, Serial No. 514,648
4 Claims. (Cl. 171—97)



4. In a welding system of the type having a motor connected to alternating current supply lines through a starter switch and a direct current generator driven by the motor and connected to an arc welding circuit, the starter switch having control circuits for causing closing and opening of the switch in response to closing and opening of control circuits, a relay having a low impedance energizing coil in series with the welding circuit, connections between contacts of the relay and the control circuits of the starter switch for causing the starter switch to be automatically closed when said relay coil is energized by normal welding current, means for connecting certain contacts of said relay with the control circuits of the starter switch for effecting automatic opening of the starter switch after a predetermined time period following interruption of normal welding current, means for supplying an initial operating current to the coil of said relay to operate the same upon shorting the welding circuit prior to starting the motor generator in operation, said means including a transformer having its primary arranged to receive current from the alternating current supply lines and having its secondary connected to apply current to the welding circuit, a relay having a set of contacts in series with the secondary of the transformer whereby the secondary circuit of the transformer is interrupted by deenergizing the coil of such relay, an energizing circuit for said last named relay, an additional relay having its coil connected to receive direct current from the

welding circuit and having a set of contacts adapted to interrupt the energizing circuit of the last named relay, the coil of the additional relay being deenergized when the welding circuit is shorted and being energized during normal arc welding operations, said additional relay having supplemental contacts which are closed when the coil of the same is energized, said first named relay having supplemental contacts closed when the coil of the same is energized by normal welding current, a totalizing device, and an energizing circuit for the totalizing device, said energizing circuit including in series with the same the aforesaid supplemental contacts whereby said totalizing device is energized only during normal arc welding operations and is deenergized upon interruption of the welding current or upon short circuiting of the welding circuit.

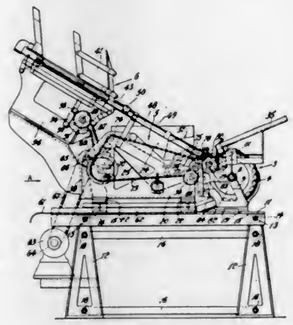
2,412,746
RAIL TORPEDO FORK
Edward A. Parker, Redmond, Oreg.
Application August 9, 1944, Serial No. 548,746
2 Claims. (Cl. 246—216)



1. A device for placing torpedoes upon railway tracks comprising a handle, a fork detachably secured to said handle, said fork having parallel furcations spaced to loosely straddle a rail, said furcations having their outer extremities bent upwardly, beveled recesses in the outer surfaces of said outer extremities and extending downwardly from the top edge thereof, said outer extremities having inward edges formed with laterally and outwardly extending flanges, said recesses receiving and said flanges positioning a torpedo on said fork.

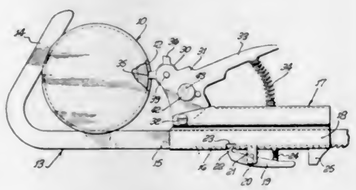
2,412,747
MACHINE FOR CHARGING CLIPS WHICH FORM THE LINKS OF CARTRIDGE BELTS
Frank Parry, Deptford, London S. E. 8, England, assignor to Molins Machine Company, Limited, Deptford, London, England
Application February 25, 1942, Serial No. 432,358
In Great Britain February 26, 1941
4 Claims. (Cl. 86—48)

1. A machine for charging clips appertaining to cartridge-belts for automatic guns, comprising a charging unit including a support having pockets receiving a succession of similarly oriented clips and a succession of cartridges with the nose of each cartridge facing a clip, and a device cooperating with said support to move the cartridges endwise into the clips lying opposed to them, said support and said device being relatively movable, a cartridge-feeding unit delivering cartridges to said support, a clip-feeding unit delivering oriented clips to said support, driving means connecting said units for operation from a single source, readily detachable means operatively associating said units, each of said units including an elongated, smooth surfaced conveyor arranged to de-



liver the articles being conveyed against said support to cause the articles to accumulate adjacent said support to form a reserve supply.

2,412,748
RING GROOVE CLEANER FOR PISTONS
Kenneth G. Phillips, Los Angeles, Calif.
Application July 21, 1945, Serial No. 606,450
1 Claim. (Cl. 15—104.01)

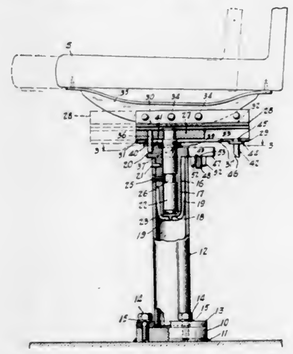


A reconditioner for piston ring grooves comprising: a piston-engaging member having a pair of legs at an acute angle to each other, said legs having opposing inner faces for contact with pistons of various diameters; an extension carried by one of said legs, the outer face of said extension being provided with a series of forwardly inclined ratchet teeth; a carriage slidably mounted on said extension and over said ratchet teeth; a bracket carried by one side of the carriage; a rearwardly extending handle pivotally mounted on the bracket, said handle including a hooked forward element; a port in the carriage; spring means cooperating with the handle to engage the hooked element with said ratchet teeth through said port to prevent rearward motion of the carriage; a hollow mounting pivotally connected to the forward portion of the other side of the carriage; a rearwardly extending handle carried by the mounting and in a plane common to the carriage, said extension, and first-mentioned handle; spring means biasing the second mentioned handle forwardly; a cutter wheel pivotally carried in the hollow mounting; and a manually adjustable wedge within the hollow mounting to lock the cutter wheel, the two handles being within a single hand-hold distance of each other whereby the carriage and cutter wheel mounting may be simultaneously released.

2,412,749
METHOD OF PREPARING NICOTINAMIDE
Edwin Frederic Pike and Robert S. Shane, Detroit, Mich., assignors, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 2, 1942, Serial No. 433,056
1 Claim. (Cl. 260—295.5)

The process of preparing nicotinamide comprising contacting nicotinic acid with a stream of dry ammonia gas at a temperature sufficiently high to liberate the water of reaction, supplying said ammonia gas during the reaction in an amount in substantial excess over that required to react with the nicotinic acid, continuously sweeping such excess of gas through the reaction product, said gas excess carrying with it the water of reaction as the same is formed, rapidly cooling the reaction product in a stream of dry ammonia gas, dissolving the reaction product in water, and saturating the aqueous solution with ammonia to reprecipitate the nicotinamide.

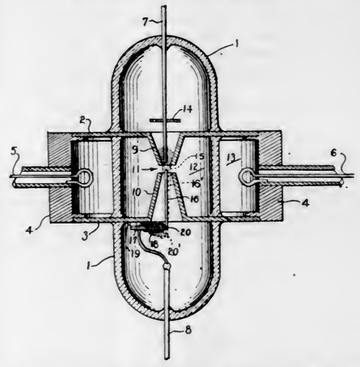
2,412,750
CHAIR SEAT SUPPORT
Alexander J. Raitch, Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill., a corporation of Illinois
Application August 7, 1943, Serial No. 497,766
6 Claims. (Cl. 155—95)



3. A seat comprising a post, a combined radial and thrust bearing carried by the upper end of the post, a vertical shaft fitted and supported in said bearing for rotation and having its upper end projecting above the bearing, a supporting and guide plate fixed to the upper end of the shaft, a head piece having a guide way in which said supporting and guide plate is slidably interfitted whereby the head piece may slide lengthwise of the plate but is constrained to rotate therewith, and means for limiting the extent to which the supporting and guide plate may rotate in either direction and comprising a stop pin fixed to the supporting and guide plate, said guide way having a slot therein through which the stop pin projects, and stop lugs fixedly connected to the post and cooperable with the stop pin to limit turning movement of the guide plate and head piece in either direction.

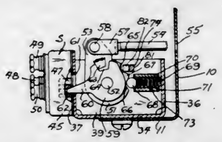
6. A seat support comprising a post, a shaft rotatively mounted in said post, a supporting and guiding plate carried by said shaft, a head piece limitedly slidably mounted on said plate, and means locking said head piece against rotative and sliding motion comprising a pair of interengageable members, one of said members being carried by said post and the other member carried by said head piece, said members being moved into inter-engaging relationship to prevent rotation of said head piece upon sliding said head to one extreme of its travel, and a latch releasably holding said members in inter-engaging relationship to prevent sliding movement of said head piece.

2,412,751
ELECTRICAL PROTECTIVE DEVICE
Nathaniel Rochester, South Hamilton, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application July 22, 1943, Serial No. 495,752
2 Claims. (Cl. 315—5)



1. An electrical protective device comprising a resonator having a resonator gap; means adjacent said gap providing an electron path thereacross a movable member mounted adjacent said gap for movement in and out of said gap to vary the frequency of said resonator; and a control unit comprising a bimetal and a heater therefor, connected to said member.

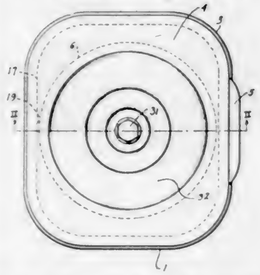
2,412,752
IGNITION AND STEERING LOCKING ASSEMBLY
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 26, 1944, Serial No. 560,502
4 Claims. (Cl. 200—44)



1. A switch unit comprising a U-shape frame, parallel walls extending between the legs of said U-frame and secured thereto, a switch mounted on the outer leg of said U-frame and having a movable switch member, an operating lever and a setting disk and a pin mounting said lever and disk side by side between said walls for rotation on a common axis, a setting finger extending from said setting disk into engagement with the movable member of said switch, a manual control for rocking said lever, said lever having a pair of notches separated by a tooth, one of said walls

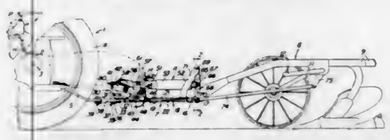
having portions thereof deflected toward the other wall to form a chamber, a ball in said chamber and a spring therein urging said ball against said lever for cooperation with said tooth and notches whereby after initial rocking of said lever by said manual control said lever will be given a final snap rotation, a tongue extending from said lever, said setting disk having a notch receiving said tongue but being wider than said tongue whereby said disk will be connected with said lever for rotation therewith after initial manual movement of the lever to follow the snap operation of said lever for snap setting of the switch movable member by said finger.

2,412,753
AIR CLEANER
Joseph B. Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 29, 1942, Serial No. 463,764
5 Claims. (Cl. 183—15)



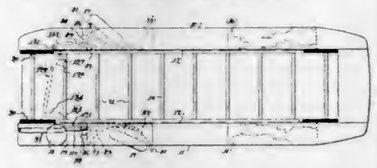
1. In an air cleaner, a casing having a closed top and a liquid sump at the bottom, a filter holding partition in said casing and spaced from said casing to define a downwardly leading air path therebetween, a closed top on said partition shaped to define a chamber beneath the closed top of said casing and outside said partition equivalent in capacity to said liquid sump, and said casing having an inlet opening at one side below said chamber, said chamber receiving and retaining liquid from said sump in the event said chamber is inverted while in use.

2,412,754
HITCH DEVICE
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 5, 1944, Serial No. 538,824
16 Claims. (Cl. 97—50)



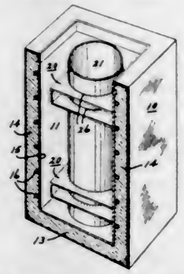
1. In combination, a tractor having a hydraulic power lift ram unit flexibly connected therewith and means for controlling said ram unit, an agricultural machine having a part to be controlled, means for detachably mounting said ram unit on the agricultural machine for operating said part, an overload release hitch for connecting the agricultural machine to the tractor for releasing the latter from the machine upon the occurrence of an overload and including means having a member movable from one position to the other and into contact with said detachably mounted ram unit for displacing the latter when said hitch releases, for detaching said ram unit from said implement.

2,412,755
SHUTTLE CAR
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 28, 1943, Serial No. 507,928
5 Claims. (Cl. 280—87)



1. In a wheel mounted vehicle and in combination with a material carrying body having outer side walls and a pair of front steering wheels, axles for said wheels, means for mounting said wheels and axles on said side walls for bodily movement about imaginary upright pivots spaced outwardly from said side walls and the outer ends of said axles, so a major portion of said wheels will turn away from said body during steering, including arcuate supporting guides on opposite sides of said body and slidable supporting and guiding connections between said axles and said guides, spaced inwardly of said wheels, and means for turning said wheels during steering including racks guided for rectilinear movement along said side walls, means for rectilinearly moving said racks, and arcuate racks meshing with said rectilinearly movable racks and having operative connection with said axles for turning said axles about said imaginary pivots.

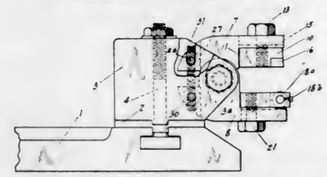
2,412,756
SPACING AND POSITIONING DEVICE FOR REFRIGERATING APPARATUS
Jasper A. Smith, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 5, 1944, Serial No. 538,780
2 Claims. (Cl. 220—15)



1. A device for preventing a cylindrical container positioned in a refrigerated compartment having flat opposed walls from rotating as ice cream is dispensed from the container, said device, when in use, comprising a unitary member engaging said walls of the compartment and having spaced apart and connected together similar horizontal substantially rectangular walls, each

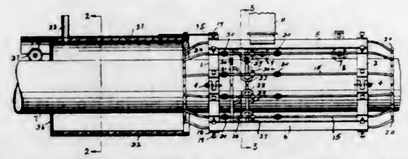
of said spaced apart horizontal walls of said member being provided with an opening therein, the openings in said walls of said member being aligned with one another and having their edge portions embracing the cylindrical container at spaced apart points therealong, the openings in said walls of said member being uniform in diameter so that their edge portions will embrace the cylindrical container at a plurality of positions along the length thereof, and the openings in said walls of said member being smaller in diameter than the outer surface of the container whereby said edge portions thereof frictionally grip the container with such force that said member is removable from the compartment along with the container.

2,412,757
TOOL HOLDING MEANS FOR AUTOMATIC SCREW MACHINES
John R. Smith, Cleveland, Ohio
Application December 11, 1944, Serial No. 567,714
2 Claims. (Cl. 82—35)



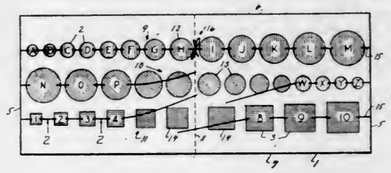
1. In tool holding means for automatic screw machines or the like, a tool holding unit comprising upper and lower complemental tool holding members movably connected together intermediate their ends, corresponding ends of the said members being adapted to receive a tool, and a connecting unit intermediate the opposite ends of said members including oppositely acting screw members for moving the said members toward and from each other, combined with a rotative bearing member on each tool holding member having threaded engagement with each of said screw members.

2,412,758
APPARATUS FOR CLEANING PIPE AND THE LIKE
Oliver R. Smith, Fort Worth, Tex.
Application August 29, 1944, Serial No. 551,722
2 Claims. (Cl. 263—2)



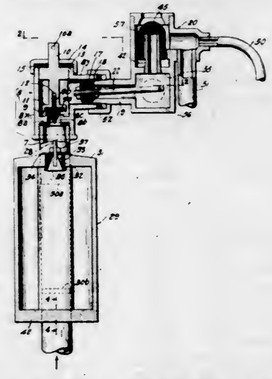
2. A cleaning machine comprising a frame shaped to surround a pipe or similar object, a carriage supporting the frame on the object being cleaned, fuel conducting pipes supported on the frame and spaced apart around the frame, nozzles at one end of the pipes arranged to surround the object to be cleaned and means for supplying fuel to said pipes and to the nozzles, an oven surrounding and spaced from the pipe and connected to one end of the frame, the end of the oven adjacent the frame being open and the end of the oven remote from the frame being closed and provided with an outlet flue.

2,412,759
TOY
Doris Sullivan, San Francisco, Calif.
Application June 13, 1944, Serial No. 540,012
5 Claims. (Cl. 35—8)



1. A child's toy comprising a backing having an alined series of configurations arranged thereon, a series of pieces adapted for superimposing on said configurations, each piece having a distinguishing character marked thereon and having a hole on each side of the character, and a string attached to the backing in alinement with the series and adapted for threading through the pieces and beneath the characters so as to leave the latter fully exposed.

2,412,760
WATER CONTROL FOR TOILET TANKS
Bennett Svirsky, Glendale, Calif., assignor to Research Developing Associates, Inc., Holyoke, Mass.
Application June 26, 1944, Serial No. 542,080
7 Claims. (Cl. 137—104)

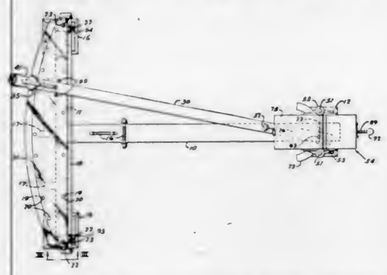


6. A tubular float having along one side a groove, and a bottom wall which increases in thickness toward the side thereof which is farthest from said groove.

2,412,761
REDUCTION CAMERA
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application April 3, 1942, Serial No. 437,502
4 Claims. (Cl. 88—24)

1. A reduction camera for preparing transparent arcuate indicia bearing charts comprising, in combination, a horizontally disposed angularly movable tube, a vertical axle member for said tube located near one of its ends, said tube also being mounted for slight vertical angular movement, optical equipment in said tube, a photographic plate mounted near that end of said tube

nearer said axle, an objective plate mounted adjacent the path of movement of that end of said tube farther from said axle, said optical equipment being arranged to photograph said objective plate on said photographic plate, said objective plate being arcuate in shape and adapted to bear master indicia for charts being prepared, leveling means for said objective plate, said leveling means comprising a plurality of vertically adjustable supports extending along and near the



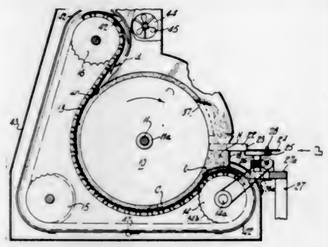
arcuate edge of said objective plate, means for imparting horizontal angular movement to said tube including a tube supporting wheel engaged with the upper surface of said objective plate, and an indicating gauge mounted on said vertical axle member and operatively connected to said tube to indicate vertical angular movement of said tube caused by said supporting wheel engaging uneven surfaces on said objective plate, said leveling means being adjustable to level said plate.

2,412,762
MANUFACTURE OF BUTADIENE FROM PROPENE AND FORMALDEHYDE
Arnold R. Workman, Malverne, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application December 17, 1942, Serial No. 469,359
6 Claims. (Cl. 260—681)

2. In a process for the manufacture of butadiene, the improvement which comprises reacting propene with a formaldehyde under substantially anhydrous conditions and at a temperature of from 75° to 115° F. in contact with a zirconium chloride condensation catalyst to effect the condensation of the propene with the formaldehyde, and converting the resulting condensation product to butadiene by contacting it with a dehydration catalyst adapted to split off water from the condensation product.

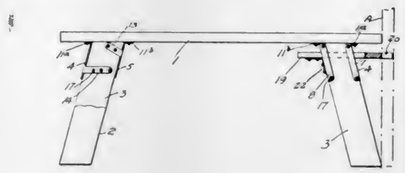
2,412,763
METHOD AND APPARATUS OF TREATING MATERIALS
David S. Baker, New York, N. Y.
Application June 12, 1943, Serial No. 490,571
32 Claims. (Cl. 34—11)

26. The method of handling material for attempering it which comprises supplying the material into a portion of a treatment chamber comprising two foraminous surfaces, passing it longitudinally and repeatedly through the said portion of the chamber until said portion is filled, and advancing transversely of said chamber into the adjacent portion thereof the increment of material in excess of that required to fill the said first portion of said chamber, and similarly filling successive portions of said chamber until said chamber is filled and thereafter advancing a part of the material in each portion of said chamber



while retaining another increment of material in each of said portions of said chamber.

2,412,764
SAWHORSE
Noah N. Beasley, Pasadena, Calif.
Application September 17, 1945, Serial No. 616,709
2 Claims. (Cl. 304—5)

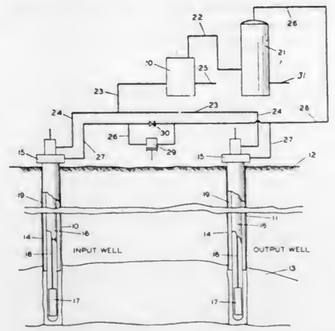


1. A device for fastening the top plate and legs of a sawhorse together comprising, pairs of metal brackets, each bracket having its top edge abutting the underside of said plate and made with flaring flanges along the side edge thereof, said flanges being bent at right angles to rest against the outer side surfaces of the legs, lips being extruded from the body of the bracket parallel with said flanges to rest against the inner side surfaces of the legs, means fastening said flanges and lips to the legs, a notched guide bar seatable in the perforations of the brackets out of which said lips are bent, and means anchoring said bar on one of the brackets.

2,412,765
RECOVERY OF HYDROCARBONS
Edward Buddrus and Samuel C. Carney, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application July 25, 1941, Serial No. 404,080
3 Claims. (Cl. 166—21)

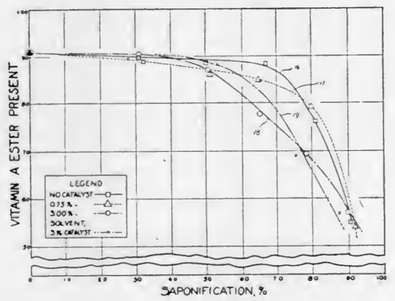
3. A method of producing petroleum oil from partially depleted wells including the steps of injecting condensible hydrocarbon vapors consisting essentially of propane and butane at substantially atmospheric temperature and at a maximum pressure only slightly higher than the vapor pressure of propane at formation temperature into the partially depleted oil producing formation, permitting the injected vapors to condense substantially completely within the pores of the formation thereby warming by the available heat of condensation the residual crude oil and dissolving said residual oil, producing this mixture of fully condensed propane and butane and petroleum oil, fractionating this mixture into

a crude oil bottoms and a propane and butane vapor, and recycling the propane and butane



vapor into the partially depleted oil producing formation.

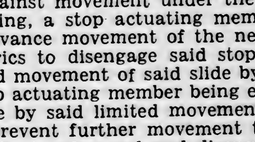
2,412,766
PROCESS OF PRODUCING VITAMIN CONCENTRATES
Loran O. Buxton, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
Application July 13, 1942, Serial No. 450,757
6 Claims. (Cl. 167—81)



1. A process of producing fat-soluble vitamin concentrates, one rich in vitamin esters and one rich in vitamin alcohols, which comprises saponifying from 60% to 95% of the saponifiable content of a fat-soluble vitamin-containing marine oil, extracting the resulting saponaceous mass with a water-immiscible solvent which will not dissolve the soap to recover the unsaponified fraction containing vitamin alcohols and vitamin esters, extracting said unsaponified fraction with a highly polar selective solvent which is characterized by being miscible with the vitamin alcohols but immiscible with the vitamin esters to recover a concentrate rich in vitamin alcohols, the residue being rich in vitamin esters, contacting the residue rich in vitamin esters with an organic aliphatic polar solvent characterized by being miscible with said residue at temperatures substantially above room temperature and partially immiscible therewith at temperatures below room temperature, cooling the mass to cause layer formations and separating the solvent layer containing the extracted vitamin esters from the solvent-insoluble portion of said residue.

2,412,767
PROCESS FOR PREPARING MORDANT TRIAZOL DYESTUFFS
Achille Conzetti, Basel, and Otto Schmid, Muttenz, near Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Original application October 20, 1941, Serial No. 415,822. Divided and this application June 29, 1944, Serial No. 542,822. In Switzerland November 26, 1940
4 Claims. (Cl. 260—308)

1. Process for the manufacture of mordant dyestuffs of the 2-aryl-1:3-arylentriazol series, comprising reducing an o-nitro azo dyestuff containing a sulfonic acid group and corresponding to the formula



wherein R means an aromatic radical of the naphthalene series, carrying the OH group in ortho-position to the azo group.

2,412,768
THREAD MARKING MACHINE
Jacob Dashew, Baltimore, Md.
Application May 22, 1945, Serial No. 595,104
6 Claims. (Cl. 112—2)

1. In a thread marking machine having a base for supporting fabrics to be marked, a knotter mechanism below said base, a reciprocatory rack bar for actuating said knotter, a thread-carrying needle, a depressible operating lever for advancing said needle and thread through fabrics on the base to a point below the base for engagement of the thread by said knotter mechanism and means operable by said lever for reciprocating said rack bar, said rack bar reciprocating means comprising a reciprocatory actuator slide connected to said rack bar, a spring for moving said actuator slide in one direction, a stop normally engaging said slide and releasably holding the same against movement under the influence of said spring, a stop actuating member operable upon advance movement of the needle through the fabrics to disengage said stop and permit a limited movement of said slide by said spring, said stop actuating member being engageable by the slide by said limited movement of the latter to prevent further movement thereof while the needle is advanced and disengageable from said slide upon retraction of said needle to permit completion of the movement of the slide under the influence of said spring whereby said rack bar will be reciprocated in one direction,

and means operable by the retraction of said operating lever and needle for reciprocating said actuator slide and rack bar in the opposite direction.

2,412,769
PILLOW HEAD COVER
Harold A. Easterbrooks, Providence, R. I.
Application January 21, 1944, Serial No. 519,168
1 Claim. (Cl. 5—339)



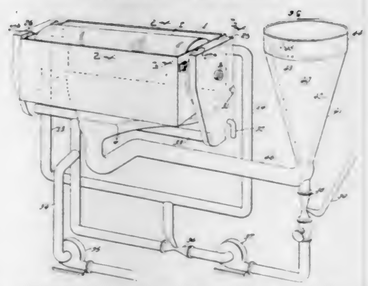
A removable pillow-case formed of sheet fabric having two opposed rectangular portions secured together along their opposite sides and open at one end to removably receive a pillow therethrough, an extension flap also of rectangular shape having one side attached along one of said secured sides and having a continuous straight free edge along its opposite side, said flap being of a width less than the width of said rectangular portions to overlie one of the two rectangular portions but part of the width thereof to provide a pocket for the top of the head of a person with his head resting on the pillow receiving portion, and securing means comprising tabs on one of said portions having buttons thereon and buttonholes in said flap to receive said buttons.

2,412,770
RISING DRIFTING MINE
James B. Glennon, United States Navy
Application September 27, 1932, Serial No. 635,118
16 Claims. (Cl. 102—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



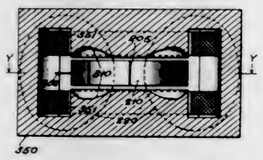
1. In combination, a mine body, firing mechanism therein, a weight releasably attached to the exterior thereof, means to release said weight at the initiation of operation of the firing mechanism of said body, said mine body having positive buoyancy after the release of said weight, a copper antenna cable connected to the firing mechanism of said body, an antenna float, copper cups on said float connected to said cable, a bendable iron contact horn in each of said cups insulated therefrom, and a buoy connected to said float.

2,412,771
METHOD OF MAKING PAPER ON CYLINDER MOLD TYPE PAPER MACHINES
Philip H. Goldsmith, New Rochelle, N. Y.
Application September 27, 1938, Serial No. 231,854
1 Claim. (Cl. 92—38)



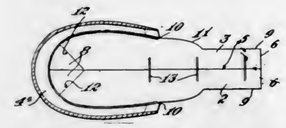
In the art of manufacturing paper, paper board and the like by means of the cylinder mold type machine, that improvement which includes the steps of: mixing components of paper stock and whitewater by injecting one of the components into the other at a point where one component is at a maximum velocity; pumping the mixed stock upwardly with progressively decreasing velocity and increasing cross-sectional area to a quiescent, free stock surface; flowing the stock across the free surface and then downwardly by gravity from the free surface with progressively increasing velocity and decreasing cross-sectional area; spreading the stock with streamline flow to form a smoothly-flowing ribbon of stock of a width approximating the width of the paper forming cylinder; supplying the ribbon of stock to the cylinder; maintaining at a constant value around the cylinder a given ratio of mean velocity of stock to peripheral speed of the cylinder; removing the paper product from the cylinder; and removing whitewater and excess paper stock from the cylinder and recirculating them.

2,412,772
ELECTRON DISCHARGE DEVICE GENERATOR
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 6, 1943, Serial No. 474,943
24 Claims. (Cl. 250—36)



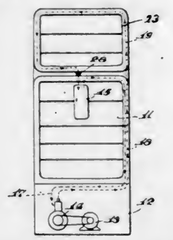
16. An electron discharge device oscillation generation system comprising a cathode, a resonant anode structure surrounding said cathode, a magnetizable core structure formed to provide an aperture adapted to accommodate said anode structure and a pair of polar projections on opposite sides of said aperture, said polar projections defining a pair of pole faces, said pole faces being non-planar and so shaped to provide clearly defined areas of maximum and minimum magnetic field strength within the diameter of said aperture which gradually merge into one another.

2,412,773
COMBINED SHOE COUNTER AND SHANKPIECE
Walter P. Herlihy, Haverhill, Mass.
Application June 7, 1945, Serial No. 598,130
2 Claims. (Cl. 36—68)



1. A combined counter and shank piece comprising a unitary piece of stiff sheet material a part of which constitutes a moulded counter, a pair of like, shank-forming parts integrally joined to the lower portion of the counter at opposite sides respectively of the latter and arranged in the same plane edge to edge, said shank-forming parts having substantially straight, rearwardly divergent rear edges, the counter having a pair of triangular tabs integrally joined to its lower margin, and which fill the space between the divergent rear edges of the wing-forming parts, said tabs and the shank-forming parts all being disposed substantially in the same plane, and fastener means permanently uniting the shank-forming parts.

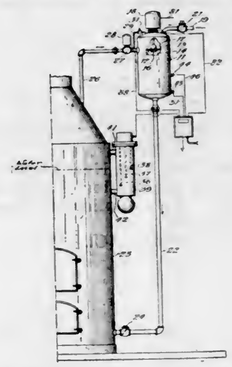
2,412,774
CONDENSER HEATED COMPARTMENT
Charles M. E. Hoffman, Annapolis, Md.
Application September 10, 1943, Serial No. 501,903
9 Claims. (Cl. 62—116)



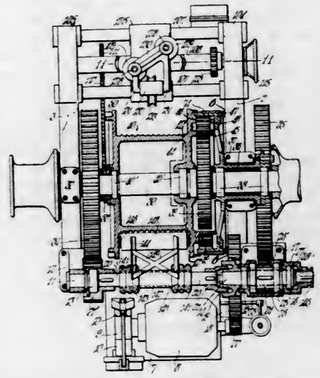
1. In a mechanical refrigerator, the combination of refrigerant condensing means, a cabinet having un-insulated walls providing an enclosure, said walls comprising spaced sheets of heat conductive material, and said condensing means extending into the space between said sheets and having heat exchange relationship therewith.

2,412,775
FEED-WATER APPARATUS FOR BOILERS
Leuell W. Jeffords, Chicago, Ill., assignor to Roma Jeffords, Chicago, Ill.
Application November 6, 1944, Serial No. 562,211
6 Claims. (Cl. 122—456)

2. In a boiler apparatus of the character described, a primary chamber having a liquid inlet, a transfer chamber having a liquid outlet leading to the boiler, said primary chamber having a passage leading therefrom to the transfer chamber, a power actuated normally closed valve provided in said passage, electrical means having a connection to the boiler and responsive to the water level within the boiler for automatically opening said power actuated normally closed valve when the water within the boiler falls below a predetermined level, valve means operable for supplying steam to the transfer chamber, and electrical means for automatically controlling the alternate operation of said valves responsive to variations of the liquid level within said transfer chamber.



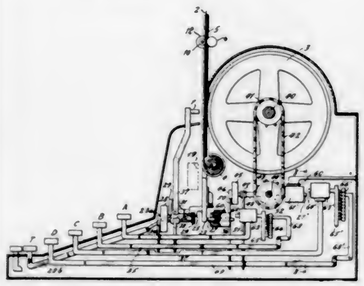
2,412,776
WINCH
Almon A. Johnson, Forest Hills, N. Y.
Application July 17, 1944, Serial No. 545,298
5 Claims. (Cl. 254—172)



5. Apparatus of the class described comprising in combination, a drum-shaft, a cable drum rotatable thereon, a rotatable intermediate shaft, intermeshing gears fixed on said drum and intermediate shafts, a sun-gear fixed to said drum shaft, a driving gear rotatable on said intermediate shaft, one-way clutch means for releasably clutching said driving gear to said intermediate shaft, fixed together gears rotatable on the drum shaft including a ring-gear and a driven gear operatively connected to the driving gear, pinions on the cable drum meshing with the sun and ring gears, a brake-drum fixed to the ring gear, a brake-band releasably engageable with said drum to hold it and said ring-gear against rotation, all adapted and arranged whereby on rotation of the intermediate shaft when the brake-drum is released and the clutch means is engaged the ring gear may be permitted to rotate at a slower speed than that at which the sun-gear is rotated thereby to rotate the cable-drum at low speed, while when the brake-drum is held against rotation

said cable drum is rotated at high speed and said clutch means is disengaged, a motor operatively connected to said intermediate shaft, circuit means connected to said motor including variable control resistance means to vary the torque of said motor, and tension control means operably connected to said control means.

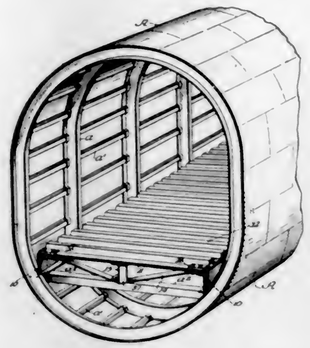
2,412,777
CHINESE LANGUAGE TYPEWRITER AND THE LIKE
Chung-Chin Kao, New York, N. Y.
Continuation of application Serial No. 493,722, July 7, 1943. This application June 28, 1944, Serial No. 542,492
23 Claims. (Cl. 197—1)



1. A keyboard-controlled typewriter of the character described comprising a type-face carrier, a printing hammer, means to produce relative movements between said carrier and said hammer, said movements being in coordinate directions and the location of each type face on the carrier being identified by numerical coordinates, a keyboard having the keys thereof arranged in groups corresponding to the coordinates of said type faces, first digit selecting elements operable in groups, second digit selecting elements individually operable to select one of the elements in the operated group, said first and second digit selecting elements being controlled by respective groups of said keys, and means responsive to the combined setting of said first and second digit-selecting elements for controlling the relative movements between said carrier and said hammer.

2,412,778
SUSPENSION TYPE FLOORING FOR AIRCRAFT
Joseph A. Kosek, Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application December 18, 1944, Serial No. 568,691
10 Claims. (Cl. 189—34)

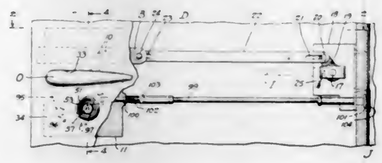
1. A suspension type flooring comprising a pair of laterally spaced parallel horizontally extending sill-forming beams adapted to be mounted in fixed relation with a supporting structure, a rectangular corrugated panel extending longitudinally of and across the beams and having the side margins thereof connected to the upper portions of the beams and its corrugations extending transversely of said beams, an intermediate beam disposed equidistantly between and in parallel relation with the sill-forming beams, connected to, and depending from, the central portion of the corrugated panel, and embodying along its bottom margin a substantially full length upwardly inclined flange, and a longitudinal series of spaced apart transversely extending one-piece flat metal V-shaped straps disposed beneath the corrugated panel and having the apex portions thereof in underlying and abutting relation with said flange of the intermediate beam



and their ends connected to the junctures of the side margins of the corrugated panel and the upper portions of the sill-forming beams in such manner that the straps are at all times under tension and exert upward force on the corrugated panel through said intermediate beam

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2,412,779
AUTOMATIC LOCK
Albert J. Leonard, Los Angeles, Calif.
Application November 30, 1945, Serial No. 631,943
18 Claims. (Cl. 70—208)

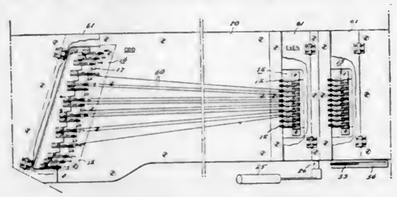


1. In locking mechanism for closures, an operating member for the mechanism; means adapted to mount said member on the closure for movement to occupy operating and non-operating positions; means urging said member to operating position; means adapted to respond to closing movement of the closure to move the operating member to non-operating position; and means for releasably retaining the operating member in non-operating position.

2,412,780
HATBAND CUTTING MACHINE
Thomas F. Lee and Herbert R. Ives, Danbury, Conn., assignors to The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut
Application February 4, 1946, Serial No. 645,365
13 Claims. (Cl. 164—47)

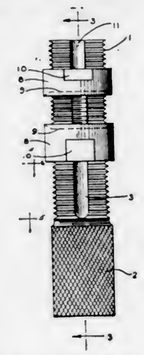
1. In a machine for cutting ribbons into predetermined lengths, in combination, a table, a plurality of channels arranged thereon in groups

to facilitate looping the ribbon about said channels to form predetermined lengths, and cutting



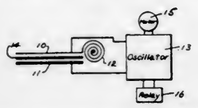
means reciprocable in said channels to sever said ribbon into said predetermined lengths.

2,412,781
INTERNAL ADJUSTABLE THREAD GAUGE
William F. Parr, Suffolk, Va.
Application January 25, 1945, Serial No. 574,465
3 Claims. (Cl. 33—199)



3. A gauge of the character described comprising a threaded plug having tapered, longitudinal grooves therein work-engaging inserts slidable longitudinally in the grooves and projecting beyond the periphery of the plug, said inserts including oppositely tapered ends, and spaced nuts threadedly mounted on the plugs, the inserts projecting outwardly between the nuts, said nuts including substantially conical opposed ends engageable with the tapered ends of the inserts, said nuts constituting means for adjusting the inserts and for securing said inserts in adjusted position.

2,412,782
WET BULB THERMOMETER AND THERMOSTAT
Robert T. Palmer, Sharon, Mass.
Application May 26, 1944, Serial No. 537,507
12 Claims. (Cl. 236—44)



7. A device responsive to changes in the wet bulb temperature of air, comprising means including means exposed to air, providing an electric current flow, means for changing the strength of said current conformably with increases in the moisture content of the air, and means including means responsive to dry bulb temperature changes in the air for oppositely changing the strength of said current conformably with increases in the dry bulb temperature of the air.

2,412,783
CHISEL
Anthony Rurak, Springfield, Mass.
Application October 25, 1944, Serial No. 560,319
1 Claim. (Cl. 262—33)

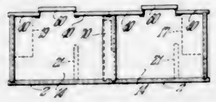


As a new article of manufacture, a unitary sportsman's chisel construction for cutting holes in ice comprising in combination, a single length of metal formed to have an intermediate elongated parallel sided body portion substantially rectangular in cross section, a cylindrical upwardly tapering shank extending upwardly from said body portion which is of less diameter than said body portion and having a stem on the upper end thereof, a cutting portion extending downwardly from said body portion provided with front and rear faces continuing downwardly from front and rear faces of the body portion and converging relation to a lower sharp straight continuous cutting edge and having opposite side edges between the said front and rear faces extending downwardly from corresponding faces of the body portion in a diverging relation to provide said cutting edge with a transverse width which is greater than that of said faces of the body portion.

2,412,784
LEAD PHTHALATES AND PROCESS FOR PREPARING SAME
Alexander Stewart, Mountain Lakes, N. J., and Adrian R. Pitrot, Hempstead, and Leonard M. Kebrich, Brooklyn, N. Y., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 11, 1943, Serial No. 502,066
9 Claims. (Cl. 260—435)

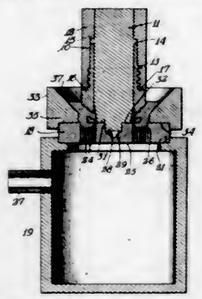
1. A process for preparing a lead phthalate composition selected from the group consisting of dibasic, monobasic, and normal lead phthalate and mixtures thereof which comprises forming an aqueous slurry of lead monoxide and while agitating and maintaining the temperature of said slurry between about 15° C. and 100° C., slowly adding thereto phthalic acid in such amount that for each mole of phthalic acid, there are at least one and not more than 3 moles of lead monoxide.

2,412,785
SEPTIC TANK
Decio Torricelli, Springfield, Mass.
Application October 7, 1944, Serial No. 557,709
5 Claims. (Cl. 210—6)



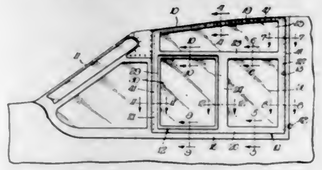
1. A septic tank comprising in combination, a bottom wall provided with longitudinal and transverse grooves adjacent opposite and adjacent edges thereof, end and side walls having lower edges disposed in said grooves and extending upwardly from said bottom wall, said end walls having vertically extending grooves in which the end edges of the side walls are disposed, baffles extending downwardly from upper edges of adjacent side and end walls disposed diagonally relative to said adjacent side and end walls to form therewith vertically disposed passageways terminating upwardly from said bottom wall, said end walls provided with openings leading into said passageways, said side walls provided on the upper edges thereof with upwardly extending central projections intermediate the ends thereof and notches at the opposite ends of the projections, end cover members having grooves in the lower faces thereof receiving the upper edges of said end walls and adjacent upper edges of said side walls and provided with portions at the ends of certain of said grooves disposed in said notches, and a central cover member having grooves in the lower face thereof in which the projections of the side wall are receivable and provided with ribs adjacent the ribs of the end cover members, said cover members closing the tank and overlying the upper ends of said passageways.

2,412,786
APPARATUS FOR CENTERING SHANKS IN CASTING DIAMOND BITS
Mana L. Tucker, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application November 9, 1944, Serial No. 562,727
3 Claims. (Cl. 22—58)



1. Apparatus for casting an accurately centered diamond drill bit comprising a die having an annular recess perforated at the bottom for individually seating a plurality of diamonds and a central aperture, means cooperating with said die for receiving and retaining molten metal in association therewith during casting, means for producing suction through the perforations in said annular recess past said diamonds to retain the latter in position, a centering plug having a body portion adapted to extend through and support a bit blank in predetermined position above the die and terminating at one end in a central tip of reduced diameter, said central tip being adapted to fit into the central aperture in said die concentric with the annular recess therein, and means upon said centering plug for locating said bit blank a predetermined distance from said annular recess during the casting operation.

2,412,787
JETTISONING MEANS FOR THE ESCAPE PANELS OF AIRCRAFT
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1943, Serial No. 487,997
5 Claims. (Cl. 244—121)



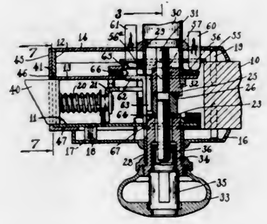
5. An enclosure comprising a wall having an escape opening, a panel assembly for normally closing said opening removably mounted in said opening, said panel assembly having an inner side facing toward the inside of said enclosure, cooperating means on said panel assembly and said enclosure which permits removal of said panel assembly from said opening in a direction outwardly from said enclosure and prevents removal of the same in a direction inwardly into said enclosure, readily removable resilient means mounted on said inner side of said panel assembly and engaging adjacent portions of said enclosure for removably securing said panel assembly in said opening, said resilient means being manually detachable from the inside of said enclosure to free the panel assembly for movement in the opposite direction outwardly from said enclosure to provide a free and clear escape opening.

2,412,788
CLEAT ASSEMBLY FOR ATHLETIC SHOES
Frank Vietas, Bedford, and Frank L. Gardner, Somerville, Mass., assignors to A. R. Hyde & Sons Company, Cambridge, Mass., a corporation of Massachusetts
Application December 13, 1945, Serial No. 634,733
8 Claims. (Cl. 36—2.5)



4. In combination with an athletic shoe having an innersole, an outer sole and a stiff metal plate between said soles, a cleat assembly comprising a bolt extending through said soles and plate and projecting out beyond the outer sole, said bolt having a flat head substantially flush with the inner surface of the innersole and a plurality of prongs extending from said head through the innersole to clinch against said plate, a nut threaded on the projecting portion of said shank and bearing against said outer sole, and a cleat having a central recess with a threaded member therein in threaded engagement with said shank.

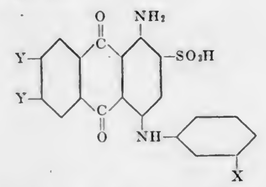
2,412,789
UNIT LOCK
Henry G. Voight, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application October 4, 1943, Serial No. 504,818
2 Claims. (Cl. 292—359)



1. A door lock comprising a case adapted to be secured to a door and having opposed inner and outer side walls, a bolt reciprocably mounted in the case, inner and outer knobs for retracting said bolt, inner and outer knob sleeves secured to said inner and outer side walls respectively within which said knobs are rotatably mounted, a dogging member movably mounted in the case for dogging said outer knob, a walking beam pivotally carried by said inner wall and connected to said dogging member, actuating means for said walking beam accessible for operation at the inside of the door, and said walking beam comprising a plate-like member having an opening receiving said knob sleeve and being pivoted on an axis intersecting the axis of said sleeve.

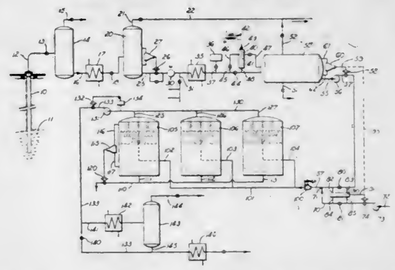
2,412,790
DYESTUFFS OF THE ANTHRAQUINONE SERIES AND A PROCESS OF MAKING SAME
Samuel von Allmen and Hans Eggenberger, Basel, Switzerland, assignors to Sandoz Ltd., Fribourg, Switzerland
No Drawing. Application June 20, 1944, Serial No. 541,288. In Switzerland July 16, 1943
7 Claims. (Cl. 260—372)

1. The new dyestuffs of the anthraquinone series of the general formula



wherein one Y stands for a sulphonic acid group, the other Y being hydrogen, and wherein X stands for a substituent selected from the group consisting of halogen, alkyl, COOH, COO-alkyl, OH and O-alkyl, which dyestuffs dye animal and related fibres in blue shades which are unchanged when exposed to artificial light.

2,412,791
METHOD FOR PURIFYING MINERAL OILS
Logan C. Waterman, Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Original application March 4, 1940, Serial No. 322,093. Divided and this application October 13, 1941, Serial No. 414,791
2 Claims. (Cl. 204—190)

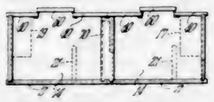


2. A process for removing water-dispersible impurities from an oil, which process includes the steps of: continuously mixing with a stream of said oil a stream of relatively fresh water to form a stream of artificial oil-continuous emulsion; dividing the resulting stream of oil-continuous emulsion into a plurality of separate streams; establishing a plurality of separate high-intensity coalescing electric fields in a plurality of separated settling spaces disposed approximately at the same level, the number of fields and the number of settling spaces corresponding to the number of said separate streams; delivering said separate streams respectively to said high-intensity electric fields to coalesce the dispersed water and bring the water-dispersible impurities into association therewith; separating the electrically-treated constituents of each separate stream in its corresponding settling zone to produce therein bodies of purified oil and separated water, said separated water now containing in large measure the water-dispersible impurities; withdrawing streams of oil from the upper ends of said settling zones and combining these streams; throttling the combined stream of purified oil while increasing and decreasing the throttling action in response to changes in pressure of said combined stream at a position upstream from the throttling position and in a manner to maintain the pressure in said settling zones substantially constant; withdrawing streams of water simultaneously from each of said settling zones and combining these streams; and controlling the rate of flow of water in the combined stream of water in response to changes in the total amount of separated water in only one of said separating zones and in a manner to maintain the total amount of separated water in this one of said separating zones substantially constant.

2,412,792
CUTOUT RELAY
George L. Webb, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana
Application November 24, 1944, Serial No. 564,942
2 Claims. (Cl. 320—33)

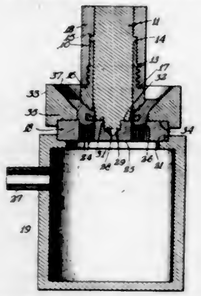
1. For combination with a battery and a variable speed generator for charging the same, a cutout relay comprising main contacts for connecting the battery to the generator, a shunt coil disposed to be connected for energization across

2,412,785
SEPTIC TANK
Decio Torricelli, Springfield, Mass.
Application October 7, 1944, Serial No. 557,709
5 Claims. (Cl. 210—6)



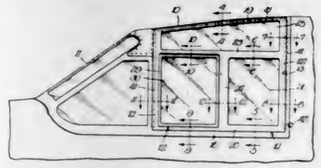
1. A septic tank comprising in combination, a bottom wall provided with longitudinal and transverse grooves adjacent opposite and adjacent edges thereof, end and side walls having lower edges disposed in said grooves and extending upwardly from said bottom wall, said end walls having vertically extending grooves in which the end edges of the side walls are disposed, baffles extending downwardly from upper edges of adjacent side and end walls disposed diagonally relative to said adjacent side and end walls to form therewith vertically disposed passageways terminating upwardly from said bottom wall, said end walls provided with openings leading into said passageways, said side walls provided on the upper edges thereof with upwardly extending central projections intermediate the ends thereof and notches at the opposite ends of the projections, end cover members having grooves in the lower faces thereof receiving the upper edges of said end walls and adjacent upper edges of said side walls and provided with portions at the ends of certain of said grooves disposed in said notches, and a central cover member having grooves in the lower face thereof in which the projections of the side wall are receivable and provided with ribs adjacent the ribs of the end cover members, said cover members closing the tank and overlying the upper ends of said passageways.

2,412,786
APPARATUS FOR CENTERING SHANKS IN CASTING DIAMOND BITS
Mana L. Tucker, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application November 9, 1944, Serial No. 562,727
3 Claims. (Cl. 22—58)



1. Apparatus for casting an accurately centered diamond drill bit comprising a die having an annular recess perforated at the bottom for individually seating a plurality of diamonds and a central aperture, means cooperating with said die for receiving and retaining molten metal in association therewith during casting, means for producing suction through the perforations in said annular recess past said diamonds to retain the latter in position, a centering plug having a body portion adapted to extend through and support a bit blank in predetermined position above the die and terminating at one end in a central tip of reduced diameter, said central tip being adapted to fit into the central aperture in said die concentric with the annular recess therein, and means upon said centering plug for locating said bit blank a predetermined distance from said annular recess during the casting operation.

2,412,787
JETTISONING MEANS FOR THE ESCAPE PANELS OF AIRCRAFT
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1943, Serial No. 487,997
5 Claims. (Cl. 244—121)



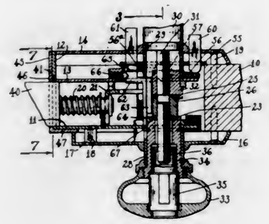
5. An enclosure comprising a wall having an escape opening, a panel assembly for normally closing said opening removably mounted in said opening, said panel assembly having an inner side facing toward the inside of said enclosure, cooperating means on said panel assembly and said enclosure which permits removal of said panel assembly from said opening in a direction outwardly from said enclosure and prevents removal of the same in a direction inwardly into said enclosure, readily removable resilient means mounted on said inner side of said panel assembly and engaging adjacent portions of said enclosure for removably securing said panel assembly in said opening, said resilient means being manually detachable from the inside of said enclosure to free the panel assembly for movement in the opposite direction outwardly from said enclosure to provide a free and clear escape opening.

2,412,788
CLEAT ASSEMBLY FOR ATHLETIC SHOES
Frank Vietas, Bedford, and Frank L. Gardner, Somerville, Mass., assignors to A. R. Hyde & Sons Company, Cambridge, Mass., a corporation of Massachusetts
Application December 13, 1945, Serial No. 634,733
8 Claims. (Cl. 36—2.5)



4. In combination with an athletic shoe having an innersole, an outer sole and a stiff metal plate between said soles, a cleat assembly comprising a bolt extending through said soles and plate and projecting out beyond the outer sole, said bolt having a flat head substantially flush with the inner surface of the innersole and a plurality of prongs extending from said head through the innersole to clinch against said plate, a nut threaded on the projecting portion of said shank and bearing against said outer sole, and a cleat having a central recess with a threaded member therein in threaded engagement with said shank.

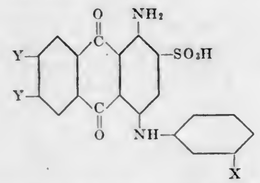
2,412,789
UNIT LOCK
Henry G. Voight, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application October 4, 1943, Serial No. 504,818
2 Claims. (Cl. 292—359)



1. A door lock comprising a case adapted to be secured to a door and having opposed inner and outer side walls, a bolt reciprocably mounted in the case, inner and outer knobs for retracting said bolt, inner and outer knob sleeves secured to said inner and outer side walls respectively within which said knobs are rotatably mounted, a dogging member movably mounted in the case for dogging said outer knob, a walking beam pivotally carried by said inner wall and connected to said dogging member, actuating means for said walking beam accessible for operation at the inside of the door, and said walking beam comprising a plate-like member having an opening receiving said knob sleeve and being pivoted on an axis intersecting the axis of said sleeve.

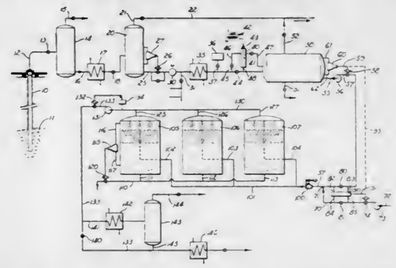
2,412,790
DYESTUFFS OF THE ANTHRAQUINONE SERIES AND A PROCESS OF MAKING SAME
Samuel von Allmen and Hans Eggenberger, Basel, Switzerland, assignors to Sandoz Ltd., Fribourg, Switzerland
No Drawing. Application June 20, 1944, Serial No. 541,288. In Switzerland July 16, 1943
7 Claims. (Cl. 260—372)

1. The new dyestuffs of the anthraquinone series of the general formula



wherein one Y stands for a sulphonic acid group, the other Y being hydrogen, and wherein X stands for a substituent selected from the group consisting of halogen, alkyl, COOH, COO-alkyl, OH and O-alkyl, which dyestuffs dye animal and related fibres in blue shades which are unchanged when exposed to artificial light.

2,412,791
METHOD FOR PURIFYING MINERAL OILS
Logan C. Waterman, Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Original application March 4, 1940, Serial No. 322,093. Divided and this application October 13, 1941, Serial No. 414,791
2 Claims. (Cl. 204—190)

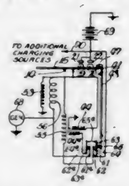


2. A process for removing water-dispersible impurities from an oil, which process includes the steps of: continuously mixing with a stream of said oil a stream of relatively fresh water to form a stream of artificial oil-continuous emulsion; dividing the resulting stream of oil-continuous emulsion into a plurality of separate streams; establishing a plurality of separate high-intensity coalescing electric fields in a plurality of separated settling spaces disposed approximately at the same level, the number of fields and the number of settling spaces corresponding to the number of said separate streams; delivering said separate streams respectively to said high-intensity electric fields to coalesce the dispersed water and bring the water-dispersible impurities into association therewith; separating the electrically-treated constituents of each separate stream in its corresponding settling zone to produce therein bodies of purified oil and separated water, said separated water now containing in large measure the water-dispersible impurities; withdrawing streams of oil from the upper ends of said settling zones and combining these streams; throttling the combined stream of purified oil while increasing and decreasing the throttling action in response to changes in pressure of said combined stream at a position upstream from the throttling position and in a manner to maintain the pressure in said settling zones substantially constant; withdrawing streams of water simultaneously from each of said settling zones and combining these streams; and controlling the rate of flow of water in the combined stream of water in response to changes in the total amount of separated water in only one of said separating zones and in a manner to maintain the total amount of separated water in this one of said separating zones substantially constant.

2,412,792
CUTOUT RELAY
George L. Webb, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana
Application November 24, 1944, Serial No. 564,942
2 Claims. (Cl. 320—33)

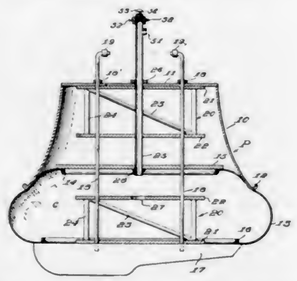
1. For combination with a battery and a variable speed generator for charging the same, a cutout relay comprising main contacts for connecting the battery to the generator, a shunt coil disposed to be connected for energization across

the generator and to close said main contacts when the generator voltage reaches a predetermined value, a series coil disposed to be connected in series circuit relation with the generator to assist said shunt coil in holding said main contacts closed when current flows from the generator to the battery, a differential coil disposed to be connected to be responsive to the difference between the battery and generator voltages and to assist said shunt coil in closing said main contacts when the battery voltage is less than the generator voltage, a latch finger cooperating with



said main contacts and biased to normally hold the same in open position, a latch release coil disposed to be connected for energization to the generator and to operate said latch finger to release position when the generator voltage reaches a predetermined value, and normally open auxiliary contacts disposed to be closed by said latch finger on operation thereof to release position, said auxiliary contacts being connected in series circuit relation with said differential coil for effecting its energization when said latch finger is operated to said release position.

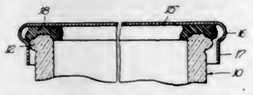
2,412,793
PONTOON STRUCTURE FOR AIRPLANES
Eugene Weissman, Baltimore, Md.
Application December 27, 1944, Serial No. 569,951
10 Claims. (Cl. 244—102)



1. A collapsible and expansible pontoon comprising a casing having a closed top and an open bottom, a skimmer plate below said casing, a pair of vertically disposed rods having their lower ends secured to the skimmer plate and extending freely through apertures in the top of the casing, a follower plate within the casing freely movable on said rods, a flexible air-impervious member interconnecting the skimmer and follower plates and providing therewith an air chamber and means for limiting movement of the rods and skimmer plate in the collapsed and expanded condition of the pontoon.

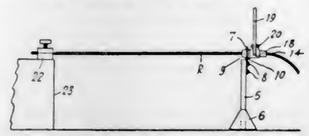
4. An expansible and collapsible pontoon comprising a casing for pivotal connection with the lower wall of an airplane wing, the casing opening downwardly and having a closed top, a skimmer plate disposed below the casing, a pair of guide rods having their lower ends secured to the skimmer plate and extending freely through apertures in the casing top, a follower plate disposed within the casing through which said rods freely extend for relative vertical movement between the plate and rods, an air-impervious member connecting the skimmer and follower plates and providing therewith an air chamber, means for admitting air to and discharging same from said chamber, and means for limiting downward and upward movement of the rods and skimmer plate secured thereto in the expansion and collapsing of the pontoon with the air chamber inflated and deflated respectively.

2,412,794
PACKAGE AND CLOSURE
William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application July 24, 1941, Serial No. 403,844
3 Claims. (Cl. 215—40)



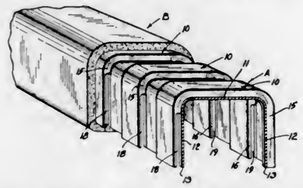
3. A vacuum seal package comprising a receptacle having an annular wall portion with an annular mouth rim and an annular peripheral bead encompassing the mouth rim and projecting outwardly from said wall portion, and a closure adapted for retention on the receptacle by atmospheric pressure alone, said closure comprising a shell having a top portion for covering the receptacle mouth and a depending annular skirt, a gasket of plastic sealing material secured to the underside of the top portion and disposed to form an air-tight seal upon the annular mouth rim, the upper portion of the skirt being formed as an outwardly projecting annular beading and the lower portion of the skirt being of approximately cylindrical form and being of circumferential size and depth to be swung freely into and out of encompassing relationship with the bead on one side of the receptacle while the gasket is in contact with the mouth rim at the diametrically opposite location, the thickness of the gasket being such that when it is resting on the mouth rim of the receptacle preliminary to sealing, the peripheral bead of the latter will be within said lower portion of the skirt, said peripheral bead being of sufficient width in the radial direction to keep the skirt entirely spaced away from all portions of the receptacle wall below the perimeter of said bead when the closure is in sealing engagement with the receptacle.

2,412,795
WIRE ROPE TWISTER
Arne C. Abrahamsen, Brooklyn, N. Y.
Application October 12, 1945, Serial No. 622,002
4 Claims. (Cl. 57—1)



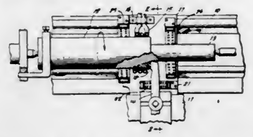
1. A wire rope twister, comprising a stationary bearing, a base having a slotted stub shaft mounted to turn in the bearing, and a lever pivoted on the base and provided with a jaw adapted to clamp a wire rope in the slotted stub shaft.

2,412,796
WINDOW CHANNEL
Roger C. Bascom, Port Clinton, Ohio, assignor to The Standard Products Company, Detroit, Mich., a corporation of Ohio
Application October 14, 1943, Serial No. 506,225
9 Claims. (Cl. 296—44.5)



1. A sheet metal core for a window runway or guide, said core comprising a base and a pair of side walls, the side walls of said core being reenforced by transverse longitudinally spaced ribs or corrugations and being provided in the side walls of said ribs or corrugations with slots extending transversely of the core and through the free longitudinal edges of the core side walls, said slots enabling the core side wall portions adjacent such slots to be brought into overlapping relationship at the bend when the core is longitudinally bent in conforming it to the contour of a window frame.

2,412,797
METHOD OF MACHINING METAL
Martin Berliner, New York, N. Y., assignor of fifty per cent to Richard I. N. Weingart, New York, N. Y.
Application February 28, 1945, Serial No. 580,201
3 Claims. (Cl. 219—1)



1. The method of machining metal to shape through the use of a cutting tool wherein the metal and the tool move relative to each other, which method consists in applying localized heating to the metal by the use of a high-frequency induction coil, and then cutting away the portion so heated with the cutting tool before the heat is able to travel substantially to other parts of the metal.

2,412,798
MULTISIDED SHIPPING CONTAINER WITH AUTOMATICALLY LOCKING SLIP COVER
Smith A. Blackman, Kirkwood, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application October 16, 1944, Serial No. 558,817
1 Claim. (Cl. 229—45)

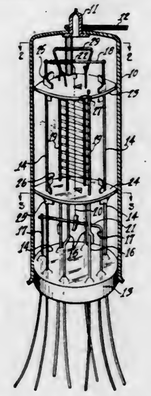


A carton comprising a body having a bottom panel with a plurality of upstanding side marginal flaps forming a multi-sided wall, alternate flaps having outstanding side tabs that overlap and are secured flatwise to the inside faces of the flaps therebetween, all of said flaps having downturned exterior locking flaps at the upper ends thereof, the locking flaps of the wall flaps between said alternate wall flaps being rigidly fixed flatwise to the outside faces thereof and the locking flaps of said alternate wall flaps being left free, and a slip cover for said body comprising a top panel having a plurality of depending side marginal flaps forming a multi-sided rim for said cover, alternate rim forming flaps having outstanding side tabs that overlap and are secured flatwise to the outside faces of the rim flaps therebetween, all of said rim forming flaps having upturned internal locking flaps at the lower ends thereof, the locking flaps of the rim flaps between said alternate rim flaps being rigidly fixed flatwise to the inside faces thereof and the locking flaps of said alternate rim flaps being left free, said cover being telescoped over said body with the upper edges of its free locking flaps disposed in abutting relation to the lower edges of the fixed locking flaps of said body and with the upper edges of its fixed locking flaps disposed in abutting relation to the lower edges of the free locking flaps of said body.

2,412,799
THIOCYANO ALKYL ETHERS OF ENDOETHYLENE CYCLOPENTANOLS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 23, 1944, Serial No. 555,585
6 Claims. (Cl. 260—454)

1. A method for preparing thiocyano aliphatic ethers of endoethylene cyclopentanols which comprises reacting an aliphatic thiocyano alcohol of the formula HO—A—(O—A)$_{n-1}$—SCN, wherein A is an alkylene group of at least two carbon atoms and n is a number from one to four, inclusive in the presence of a boron trifluoride catalyst with an adduct of cyclopentadiene and a mono-olefinic compound having only neutral substituents.

2,412,800
ELECTRON DISCHARGE DEVICE
Lucien B. Curtis, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1943, Serial No. 497,456
7 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising a tubular anode, a rectilinear cathode coaxial with

said anode, a control grid electrode surrounding said cathode and comprising a pair of grid side rods parallel to said cathode, an accelerating electrode next to and outside said control grid and consisting of a pair of rods parallel to said cathode one on either side of said control grid in a plane transverse to the plane of said control grid side rods, and a third electrode next to and outside said accelerating electrode and consisting of a pair of rods parallel to said cathode and in the plane of the rods of said accelerating electrode.

2,412,801

A DIARYLGUANIDINE THIAZOLE FORMALDEHYDE COMPLEX AND THE PROCESS FOR MAKING THE SAME

Arnold R. Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 8, 1943, Serial No. 486,205
10 Claims. (Cl. 260—299)

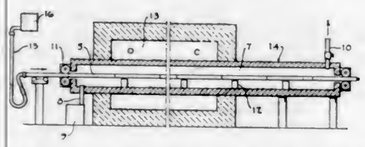
10. A process of preparing a chemical complex which comprises heating an adduct of a diarylguanidine and an acidic salt of a metal selected from the group consisting of zinc, aluminum, cadmium and tin with substances selected from the group consisting of a reaction product of formaldehyde and a thiazole derivative and a mixture of paraformaldehyde and a thiazole derivative, said thiazole derivative selected from the group consisting of mercaptobenzothiazole, benzothiazole disulfide and mercaptothiazoline for a sufficient time to substantially complete the formation of a stable complex.

2,412,802

METHOD OF CARBURIZING ONE SIDE ONLY OF RELATIVELY SHORT TUBULAR PARTS

Ernest G. de Coriolis, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio

Application August 17, 1944, Serial No. 549,885
3 Claims. (Cl. 148—17)



3. The method of producing a carburized case on the outside only of lengths of steel tubing which comprises passing the same through a furnace chamber as a substantially continuous string which extends beyond the ends of said chamber and which is substantially relatively gas-tight at the joints, maintaining a carburizing atmosphere in said chamber and a substantially neutral atmosphere in said string, and heating said lengths of tubing to carburizing temperature as they pass through said chamber.

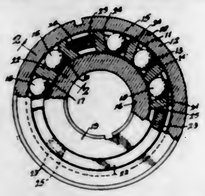
2,412,803

ONE-WAY CLUTCH AND BEARING

Adiel Y. Dodge, Rockford, Ill.

Application December 16, 1944, Serial No. 568,450
6 Claims. (Cl. 192—45.1)

1. A one way clutch and bearing comprising inner and outer coaxial races formed on their facing surfaces with peripheral grooves defined by spaced parallel flanges, a cage having side rings lying between the flanges of the inner and outer races and spaced cross members connecting the rings, a series of tiltable grippers lying in the grooves on the races and confined by the flanges, bearing balls alternating with the grippers and riding on the flanges to connect the



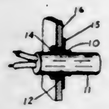
races for relative rotation the bearing balls being engageable with the cage side rings to hold the cage against axial displacement, and springs carried by the cross members engaging the adjacent grippers to hold the grippers and balls in contact.

2,412,804

RETAINING DEVICE

Paul F. Early, New Carlisle, Ohio, assignor to Standard-Thomson Corporation, a corporation of Delaware

Application November 25, 1943, Serial No. 511,715
7 Claims. (Cl. 285—6.8)



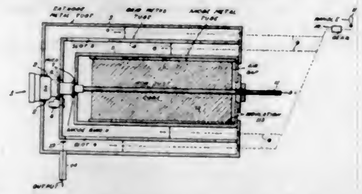
1. A device for securing a cable in an opening in the wall of a structure to which it is to be attached comprising a tubular element to be pressed into griping engagement with the cable and having at one end thereof a preformed integral part substantially in the transverse plane of said end to engage one side of said wall, and a finger extending from said part of said element substantially parallel with the axis thereof and adapted to pass through the opening in said wall, the free end portion of said finger being foldable into substantially flat engagement with the other side of said wall after passing through said opening.

2,412,805

ULTRA HIGH FREQUENCY OSCILLATION GENERATOR

John R. Ford, Narberth, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application February 5, 1944, Serial No. 521,179
11 Claims. (Cl. 250—36)



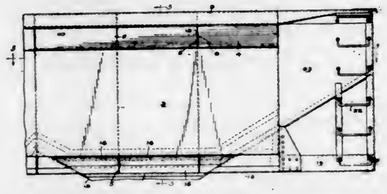
1. An oscillation generator comprising a vacuum tube having grid, anode and cathode electrodes, a concentric line resonator coupled between said grid and cathode, another concentric line resonator coupled between said grid and anode, said resonators being coaxially arranged, the inner conductor of the outer resonator forming the outer conductor for the inner resonator and thus constituting a common wall for both said resonators, said common wall having a plurality of slots therethrough for providing feed back between said resonators, a tuning slider connecting together the inner and outer conductors of one of said resonators and adjustable in position over said one resonator, said slider having such axial length as to control the coupling between said resonators, said slider in one position rendering said slots completely ineffective.

2,412,806

RAILWAY CAR WALL

Garth G. Gilpin, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application October 27, 1943, Serial No. 508,082
14 Claims. (Cl. 105—409)



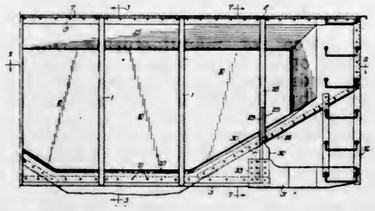
1. A wall for a railway car comprising a wall sheet comprising a vertical main portion and an upwardly and inwardly inclined marginal portion, said marginal portion having spaced slots, a plurality of spaced vertical stakes formed of flat metallic bars extending normally to said wall sheet which extend through said slots and are welded to the inside of the main portion and the marginal portion of the wall sheet; and a top chord including a member comprising a substantially horizontal arm welded to the upper part of said marginal portion and to the tops of said stakes and a substantially vertical arm having a flange extending to and welded to said marginal portion below the tops of the stakes, whereby the said marginal portion and the said member form a hollow top chord in overlapping relationship with the stakes.

2,412,807

SIDE WALL FOR RAILWAY HOPPER CARS

Garth G. Gilpin, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application February 17, 1944, Serial No. 522,806
5 Claims. (Cl. 105—409)



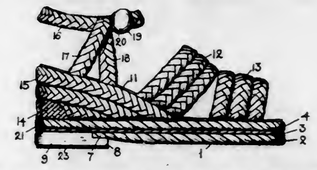
1. A wall for a railway car comprising a bottom chord having an upstanding leg, spaced hollow non-circular posts having the lower ends thereof slotted and straddling said leg and secured thereto on both sides thereof, and a wall sheet having the major portion thereof substantially in the plane of the outside of said post, the lower margin of said wall sheet bent inwardly and secured to said leg, said wall sheet extending between and secured to said posts.

2,412,808

SANDAL

David D. Goldstein, Pittsburgh, Pa.

Application January 3, 1945, Serial No. 571,131
5 Claims. (Cl. 36—11.5)



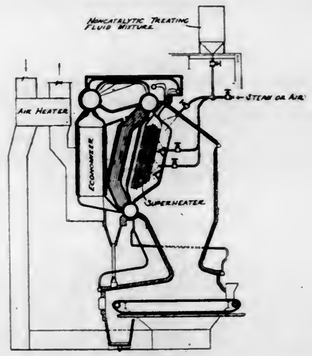
1. A sandal comprising a sole having several layers, each layer being made of flat braids of a fibrous material stitched together edgewise, the bottom layer being cut short at the rear and reduced in thickness, the layers being stitched together; a heel attached to the rear end of the sole having an undercut at the front end, the rear thin end of the bottom sole layer being fitted into the undercut of the heel; and an upper front portion of the sandal made of a band formed of several braids woven from strands of a vegetable material and stitched together edgewise, the ends of the band being bent inwards and attached to the upper side of the sole.

2,412,809

CORROSION REDUCTION IN HEAT EXCHANGERS

Walter F. Harlow, Quarndon, England, assignor to Combustion Engineering Company, Inc., New York, N. Y.

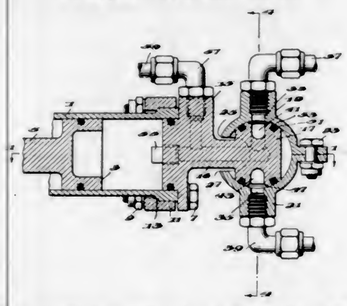
Application August 8, 1945, Serial No. 609,605
In Great Britain June 21, 1944
10 Claims. Cl. 257—1)



1. The method of minimizing corrosion by action of sulphuric acid on the metallic surfaces of a heat exchanger under circumstances wherein combustion gases containing SO_2 are subjected to catalytic action in passing over hot iron or steel heat absorbing elements that are located in advance of said heat exchanger in the direction of gas flow, which method comprises: treating the

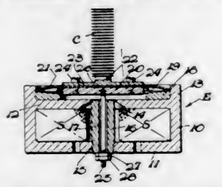
gas contacted surfaces of said heat absorbing elements with a material which is non-catalytic in the presence of the sulphur dioxide in the furnace gases to thereby avoid its conversion to sulphur trioxide and the subsequent formation of sulphuric acid deposits on the surfaces of said heat exchanger.

2,412,810
SWIVELING FLUID JOINT
Thomas C. Hill, Parkville, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application September 9, 1944, Serial No. 553,354
5 Claims. (Cl. 285—96.3)



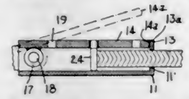
1. A swivellable, plural conduit pipe joint including a fixed portion comprising two semi-spherical members secured together, the corresponding abutting edges of the two members being cut away throughout a minor portion thereof to provide a slot therebetween, fluid inlet and outlet supply pipes leading to and from the semi-spherical members and a swivellable ball-like member having a radial extension thereon mounted within the two semi-spherical sections with the said radial extension projecting from the slot formed by the edges of the cut-away portions of the semi-spherical members, and fluid passages extending through said radial extensions and said ball-like member, the inner ends of said passages communicating with the fluid pipes leading to and from the semi-spherical members regardless of the position of said radial extension.

2,412,811
CARBON PILE ELECTRIC REGULATOR
James H. Johnston, Ridgefield Park, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 4, 1944, Serial No. 529,494
8 Claims. (Cl. 201—51)



1. In an electric regulator including a carbon pile, an armature, a spring carried by said armature for compressing said pile, and an electromagnet, the improvement consisting of stop means for limiting movement of said armature towards said pile, said stop means being so arranged as to limit the compression of said pile to a permissible value substantially less than its maximum value and a permissible value such as to prevent a decrease in the resistance of the pile to below a predetermined safe value.

2,412,812
ADJUSTABLE WATCH BRACELET LINK
Leo Karasik, New York, N. Y., assignor of fifty per cent to Leopold Milner, Chicago, Ill.
Application January 18, 1945, Serial No. 573,334
1 Claim. (Cl. 24—206)



A clasp for a chain section of a bracelet comprising a tubular case having a bottom and spaced side walls, said case further being open at one end and having a stop member at its opposite end, a cover latch member having a lug depending from its lower surface, a hinge pin passing through the side walls of the case and said lug adjacent the open end of the case to hinge the cover to the case, said cover having a plurality of equally spaced openings longitudinally thereof, a loop member secured to an end of said chain section and having a vertically projecting stud at its upper end, said chain loop member being positioned within said case with said stud engageable by the openings in said cover, and said loop being engageable by said stop member to limit movement of the chain section outwardly of the case.

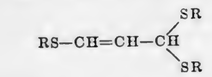
2,412,813
DEVICE FOR MANUFACTURING THIN-WALLED CONTAINERS OPEN AT ONE END
Jakob Keller, Zurich, Switzerland
Application August 31, 1944, Serial No. 552,019
In Switzerland May 3, 1944
2 Claims. (Cl. 113—49)



1. A device for manufacturing thin-walled containers open at one end, in which the raw material is drawn in the usual manner by a single punch first through a deep-drawing die and then through a series of ring dies, all of the ring dies being of uniform internal diameter, said device characterised in that the first ring die is so fitted that the container, on entering this ring, is still within the upper part of the deep-drawing die, and that the successive ring dies are arranged at intervals from each other equal to at least 90% of the depth of the container at the entrance to the next ring.

2,412,814
BETA-ALKYL-THIO ACROLEIN MERCAPTALS
John David Kendall and Harry Derek Edwards, Ilford, England, assignors to Ilford Limited, Ilford, England, a British Company
No Drawing. Application December 17, 1943, Serial No. 514,666. In Great Britain January 1, 1943
2 Claims. (Cl. 260—609)

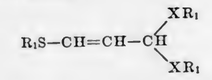
1. Compounds of the general formula:



where the groups R are alkyl groups.

2,412,815
DICARBOCYANINE DYES
John David Kendall and Harry Derek Edwards, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application December 17, 1943, Serial No. 514,667. In Great Britain January 1, 1943
4 Claims. (Cl. 260—240)

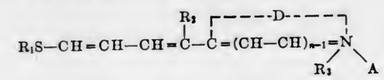
1. Process for the production of dicarbocyanine dyes which comprises condensing a compound of the general formula:



where the groups R_1 are alkyl groups and the groups X are the same and selected from the class consisting of oxygen and sulphur atoms, with a compound selected from the class consisting of alkyl and aralkyl quaternary salts of heterocyclic nitrogen compounds containing a reactive methylene group in α-position to the quaternary heterocyclic nitrogen atom of the type usual in the cyanine dye art.

2,412,816
POLYMETHINE DYESTUFFS
John David Kendall and Harry Derek Edwards, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application December 17, 1943, Serial No. 514,668. In Great Britain January 1, 1943
11 Claims. (Cl. 260—240)

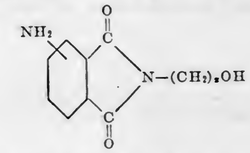
1. Process for the production of polymethine dyestuffs which comprises condensing a compound of the general formula:



where R_1 is an alkyl group, R_2 is selected from the class consisting of the hydrogen atom and alkyl and aralkyl groups, R_3 is selected from the class consisting of alkyl, aralkyl, allyl and hydroxyalkyl, D is the residue of a heterocyclic nitrogen nucleus usual in the cyanine dye art, A is an acid radicle and n is an integer less than three, with a compound containing a reactive group selected from the class consisting of reactive methylene groups and reactive amino groups.

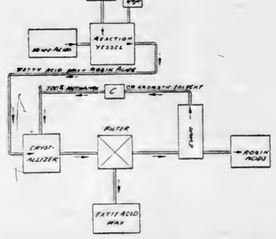
2,412,817
AMINOPHTHALIMIDES
Harold T. Lacey, Plainfield, and Robert E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 3, 1944, Serial No. 547,988
3 Claims. (Cl. 260—326)

1. As new compositions of matter aminophthalalkylolimides corresponding to the formula



in which x is a small whole number selected from the group consisting of 2, 3, and 4.

2,412,818
SEPARATION OF THE COMPONENTS OF A MIXTURE OF FATTY ACIDS AND ROSIN ACIDS
Joseph John Lovas, Ridgewood, and James F. Loughlin, New York, N. Y.
Application August 1, 1942, Serial No. 453,294
2 Claims. (Cl. 260—97.5)



1. A process for separating the fatty acid and rosin acid components of acids derived from the hydrolysis of kraft pulp mill soap which comprises the steps of: reacting the mixed acids with the theoretical quantity of ethylene diamine at an elevated temperature to form a fatty acid amide; dissolving the mixture resulting from said reaction in a heated solvent selected from the group consisting of methanol, carbon tetrachloride and hexane; cooling the solution and removing the precipitated amide.

2,412,819
DETERGENT BRIQUETTE
James Douglas MacMahon, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application July 21, 1945, Serial No. 606,481
6 Claims. (Cl. 252—138)

1. A detergent briquette, physically stable, hard, strong and non-deliquescent, consisting of a dense crystalline aggregate consisting essentially of the following constituents in proportions by weight within the respective indicated ranges: Sodium silicate, of which the $Na_2O:SiO_2$ ratio is not less than 1:1 nor greater than 2:1, about

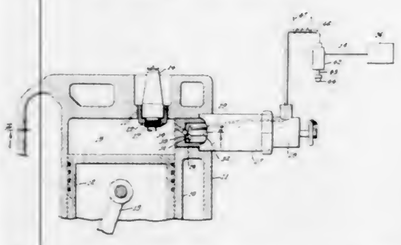
1–15%, total water about 30–50%, sodium tripolyphosphate about 2–50%, and at least one detergent of the group consisting of sodium carbonate and trisodium phosphate aggregating from about one-tenth to about one-half of the total formula weight.

2,412,820
SLIDE-RULE PENCIL
Robert C. Magee, Dayton, Ohio
Application March 9, 1945, Serial No. 581,886
5 Claims. (Cl. 235—70)



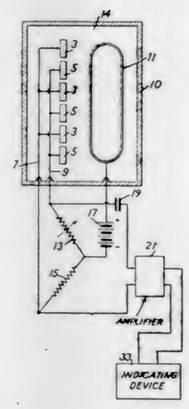
1. In a device of the class described, a pencil having a scale marked lengthwise thereon, a tubular-slide movable along the pencil and having a longitudinal slot registering with the scale on the pencil, a scale marked along an edge of the slot of the tubular-slide to cooperate with the scale on the pencil, and a cursor movably embracing the tubular-slide and having a transparent portion marked with an index line, in combination with means carried by the cursor to lock the cursor tubular-slide and pencil immovably together when the device is used as a pencil.

2,412,821
INTERNAL-COMBUSTION ENGINE
Jay B. Malin, Fishkill, and William N. Fenney, New York, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 4, 1944, Serial No. 525,006
3 Claims. (Cl. 123—32)



1. In a spark-ignition fuel-injection internal combustion engine of the character described having a cylinder with a cylinder head, a piston reciprocatingly mounted therein, said parts forming a disc-shaped combustion space, means for producing high velocity induction air swirl within said combustion space, means for injecting fuel into the swirling air toward the latter part of the compression stroke of the piston, means for spark igniting the first increment of injected fuel substantially as soon as combustible fuel vapor-air mixture is formed therefrom to establish a traveling flame front, and means for controlling the rate and duration of fuel injection after ignition to successively form additional quantities of combustible fuel vapor-air mixture immediately in advance of the traveling flame front and which are ignited by the flame and burned substantially as rapidly as formed. The modification wherein the fuel injection means comprises a nozzle positioned in the cylinder wall and constructed to direct a fuel jet from a locus of fuel injection at the periphery across a chord of the combustion space counter to the direction of air swirl and upwardly inclined toward the cylinder head, and the spark ignition means comprises a spark plug having electrodes positioned within the combustion space at a point above the horizontal plane of the locus of fuel injection and slightly on the air down-stream side of the fuel jet, said point of spark ignition and said locus of fuel injection lying in a vertical plane containing a radius of said combustion space.

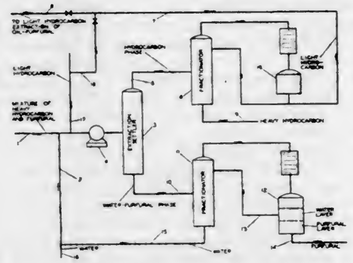
2,412,822
PHOTOELECTRIC DEVICE
Louis Malter, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 26, 1942, Serial No. 436,241
8 Claims. (Cl. 250—41.5)



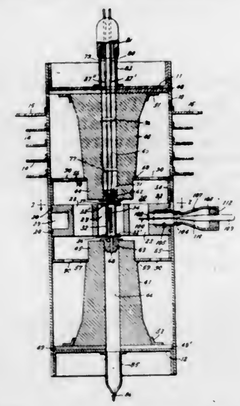
1. A detecting system comprising a photoelectric device having a mosaic of two groups of alternately arranged photoelectric elements, all the elements of each group being connected together, a pair of serially connected resistors, connection from one group of elements to one of the resistors, connection from the other group of elements to the other resistor, means to form an image upon the mosaic, and means to derive from across the serially connected resistors a potential indicative of the difference between the illumination falling on one group of elements and the illumination falling on the second group of elements.

2,412,823
FURFURAL RECOVERY
Bertrand Jesse Mayland, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 8, 1945, Serial No. 576,849
9 Claims. (Cl. 260—347)

1. The process for recovering furfural from admixture with hydrocarbons having boiling points so close to that of furfural as to be difficult to separate from furfural by distillation which comprises subjecting such furfural-hydrocarbon mixture to water extraction in the presence of a liquid hydrocarbon having a boiling point substantially lower than the boiling point of furfural.



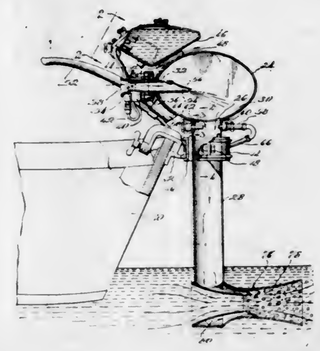
2,412,824
MAGNETRON
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 22, 1942, Serial No. 447,903
9 Claims. (Cl. 250—27.5)



1. An electronic device comprising a container forming the envelope of said device and having a part of its wall structure constituted of ferromagnetic material, means including a permanently magnetized pole piece within said container for producing a magnetic field in a particular region of the enclosed space, and cooperating electrode elements located in the said magnetic field, said pole piece having a direct magnetic connection with the ferromagnetic part of said wall structure and forming therewith a low reluctance path which is closed except for region of said electrodes.

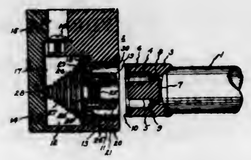
2,412,825
JET PROPULSION APPARATUS
Henry J. De N. McCollum, Chicago, Ill., Thelma McCollum, executrix of said Henry J. De N. McCollum, deceased, assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 30, 1943, Serial No. 496,814
1 Claim. (Cl. 60—35.6)

In a jet propulsion apparatus for marine vessels, the combination of means forming a combustion chamber of relatively large volume, check valve means for admitting the combustible mixture of fuel and air into said combustion chamber, means for igniting the combustible mixture in said chamber after said chamber is substantially filled therewith, a discharge tube projecting downwardly from said chamber into the water surrounding the vessel, the volume of said tube being substantially less than that of said combustion chamber, an ejector connected to the



lower end of said tube, said ejector comprising a Venturi tube having a hollow conical water inlet portion set therein for conducting water to substantially the throat portion of said Venturi tube, whereby flow of water through said ejector upon relative movement of the ejector in a body of water will be effective to draw the products of combustion from said combustion chamber and draw a combustible mixture charge into said combustion chamber.

2,412,826
TUBULAR LAMP AND HOLDER THEREFOR
Erwin S. Mills, Cleveland Heights, and Elton A. Linsday, Willoughby, Ohio, assignors to General Electric Company, a corporation of New York
Application June 30, 1944, Serial No. 542,904
13 Claims. (Cl. 176—32)



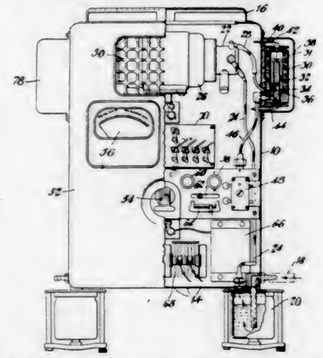
1. In combination, a lamp holder comprising a base of insulating material having a recess therein, a spring pressed axially movable insulating member in the recess carrying a contact member for engaging a lamp contact, spaced contact elements carried by said member, and a tubular lamp having a terminal adapted to be inserted into said recess, said terminal being provided with a lamp contact and having contact means separate from the lamp contact which connects said spaced contact elements in series electrically.

2,412,827

METHOD FOR DETECTING FREE HYDROGEN IN SUBMARINE ATMOSPHERES

John D. Morgan, South Orange, and Alan P. Sullivan, Elizabeth, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application January 1, 1944, Serial No. 516,745
5 Claims. (Cl. 23—232)



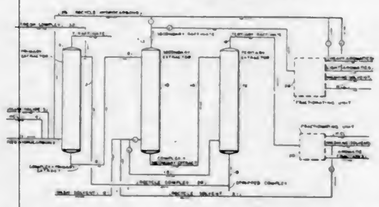
1. A method of detecting free hydrogen in submarine atmospheres which contain catalyst poisons such as stibine and arsine as well as free hydrogen, all produced by electric storage batteries used on the submarine, which comprises passing a continuously flowing stream of atmosphere from the battery compartment of a submarine through a heating zone, heating the gases in said zone under non-catalytic conditions to a temperature high enough to decompose any stibine and arsine contained in the stream but below a temperature at which free hydrogen would be caused to react with the oxygen in the atmosphere, passing the stream of atmosphere from said heating zone in a continuous stream into and through a combustion zone in contact with a hot catalytic wire leg of a Wheatstone bridge, and establishing an electric current in such bridge such as to heat said wire leg electrically to a temperature just below first visible red heat whereby free hydrogen in said stream in said combustion zone is burned and the temperature of said wire leg is raised.

2,412,828

PREPARATION OF AROMATIC HYDROCARBONS FROM HYDROCARBON MIXTURES

Ernest A. Naragon, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 4, 1944, Serial No. 543,459
5 Claims. (Cl. 196—13)



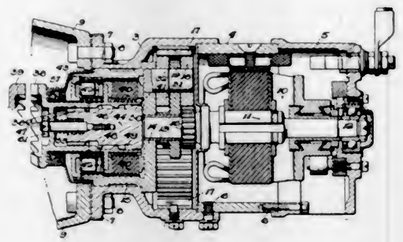
1. A process for extracting aromatic hydrocarbons from feed hydrocarbon mixtures of aromatic and non-aromatic hydrocarbons which comprises subjecting a naphtha feed hydrocarbon mixture boiling in the range above about 175° F. and containing about 10 to 80 volume per cent aromatics to contact at a temperature of about 60 to 120° F. with an aluminum halide-hydrocarbon complex of the Friedel-Crafts type having a heat of hydrolysis of about 290 to 330 calories per gram of complex, forming a primary extract phase comprising complex, aromatic and some non-aromatic hydrocarbons, and a primary raffinate phase consisting essentially of non-aromatic hydrocarbons, discharging the primary raffinate phase, subjecting the primary extract phase to countercurrent contact with substantially less than an equal volume of a wash solvent consisting essentially of saturated petroleum hydrocarbons at a temperature in the range about 60 to 120° F. such that non-aromatic extract hydrocarbons are displaced therefrom leaving a secondary extract phase comprising complex, aromatic primary extract hydrocarbons, and a small amount of wash solvent, discharging the displaced hydrocarbons, and subjecting the secondary extract phase to countercurrent washing with a further quantity of said wash solvent in the proportion from about 1 to 3 volumes of solvent per volume of secondary extract phase under substantially similar conditions such as to displace said aromatic primary extract hydrocarbons from the complex.

2,412,829

ENGINE STARTING MECHANISM

Romeo M. Nardone, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Continuation of application Serial No. 362,272, October 22, 1940. This application June 22, 1944, Serial No. 541,611
9 Claims. (Cl. 74—7)



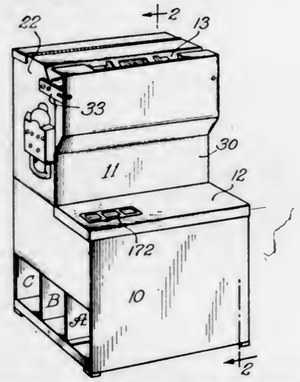
1. For use in an engine starter, an axially movable substantially cylindrical member of integral construction, one end of which is formed with a head portion of large diameter while the other end of relatively small diameter is centrally apertured, helical means disposed about a portion of said member intermediate said ends, a second portion of lesser diameter than the diameters of said head and helical portions and disposed between the latter to provide relative spacing therebetween, and internally threaded means engageable with said helical means to move said cylindrical member axially in response to rotation of said internally threaded means, the axial movement of said member in one direction being limited by engagement between the spaced head portion and the thread formation on said internally threaded means.

2,412,830

CHECK-ENDORSING AND SORTING MACHINE

Martin L. Nelson, Park Ridge, and Alfred M. Roberts, Chicago, Ill., assignors to The American Perforator Company, Chicago, Ill., a corporation of Illinois

Application September 10, 1941, Serial No. 410,298
8 Claims. (Cl. 101—2)



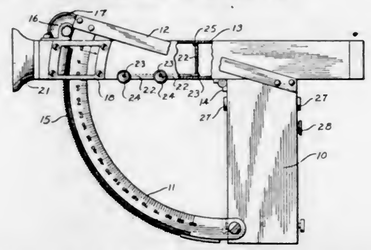
1. In combination, a plurality of contact sets, a shaft having a plurality of angular positions corresponding to said contact sets, respectively, means responsive to the actuation of any contact set for rotating said shaft to the corresponding position, a sorting device having a plurality of selective positions corresponding to the positions of said shaft, respectively, and means including a cam on said shaft responsive to movement of the shaft to any position for moving the sorting device to the corresponding selective position.

2,412,831

PENDULUM VERTICAL ANGLE MEASURING INSTRUMENT

Roy A. Owens, Galveston, Tex.

Application March 19, 1941, Serial No. 384,161
12 Claims. (Cl. 33—70)



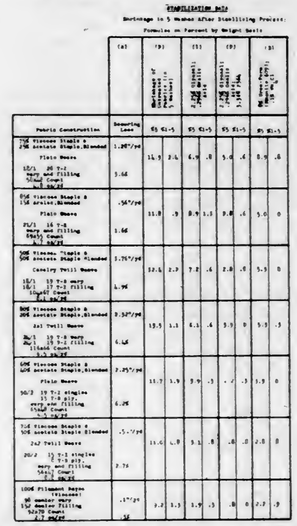
1. A vertical angle determining instrument including a frame comprising an arc bar having degrees marked thereon, and a handle therefor, means for directly observing a selected celestial body to determine the line of sight to said body, said means being adjustably supported on said frame so that its angular position relative thereto may be indicated on said arc, means for obtaining a delicate precise adjustment of the position of said first named means on said arc, a gravitational pendulum pivoted to said frame for establishing a perpendicular, and signal means controlled by relative angular relation of said pendulum and frame for indicating the proper horizontal position of said frame relative to the perpendicular established by said pendulum whereby the angle indicated on said arc will be the observed altitude of the celestial body at the observer's height of eye.

2,412,832

TEXTILE MATERIAL AND METHOD OF PREPARING IT

Edward C. Pfeffer, Jr., and Jack Epelberg, Troy, N. Y., assignors to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York

Application October 30, 1943, Serial No. 508,368
8 Claims. (Cl. 8—115.6)



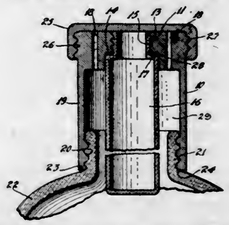
1. The method of stabilizing regenerated cellulose textile material which comprises as steps impregnating the material with an aqueous glyoxal solution containing between 0.6% and 4.65% by weight of glyoxal, an acid catalyst and an amino-formaldehyde thermosetting resinous condensation product in amount between 1% and 5% of the solution by weight, removing the material from the solution, and baking the material at a temperature between 212° F. and 350° F.

2,412,833

BOTTLE CLOSURE DEVICE

Martin Prager, Irvington, N. J.

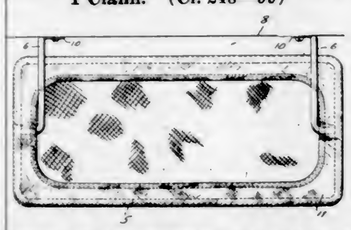
Application March 10, 1945, Serial No. 581,995
1 Claim. (Cl. 215—6)



In combination with a large bottle having a threaded neck and a small bottle having a threaded neck and a shouldered portion adjacent its threaded neck, a dispensing cap comprising an elongated body member open at its lower end and formed with internal threads at its lower end in threaded engagement with the threaded neck of

the large bottle, a thickened head carried by the upper end of said body member, the upper face of the thickened head being flat, said body member being formed with external threads at its upper end, said thickened head being formed with a medial through aperture, the upper portion of said aperture being threaded and receiving the threaded neck of the small bottle and suspending the small bottle within the body member from said head portion, a shoulder formed in said head portion inwardly of the bottom face of the thickened head and at the base of the threaded portion of the medial aperture and receiving the shouldered portion of the small bottle, said head portion being formed with additional apertures surrounding the medial aperture, whereby the contents of the large bottle may be dispensed therethrough, all of the apertures terminating at their upper ends in the flat upper face of the head portion, a closure cap having a flat top portion and an internally threaded depending skirt portion in threaded engagement with the externally threaded upper end of the body member, said flat top portion of the closure cap covering all of the apertures and the open upper end of the small bottle when seated against the flat upper face of the head portion.

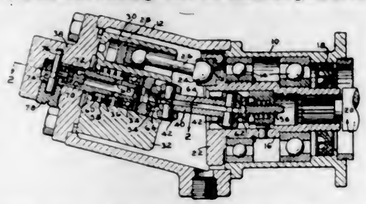
2,412,834
HAMPER OR BAG SUPPORT
Vivion K. Roberts, Port Orchard, Wash.
Application February 2, 1945, Serial No. 575,902
1 Claim. (Cl. 248—99)



A hamper or bag support, comprising a substantially rectangular frame embodying side bars, supporting arms, the forward ends of the supporting arms being extended laterally, the extremities of the laterally extended portions of the arms being secured to the side bars of the frame, at points intermediate the ends of the side bars, said supporting arms being extended upwardly and rearwardly, where they connect with a supporting surface, said frame adapted to be positioned within the open end of a hamper bag, the size of the open end of the bag being appreciably smaller than the frame, whereby the hamper bag is held on the frame.

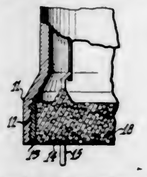
2,412,835
POWER TRANSMISSION
James Robinson, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application November 29, 1940, Serial No. 367,725
5 Claims. (Cl. 103—162)

1. In a reciprocating piston pump of the type having a sealed casing of fixed liquid volume and having separate suction and delivery ports the combination of means forming a connection between the casing and the suction port of the pump and constituting the sole exit from the casing and a pressure responsive valve in said connection adapted to confine all leakage fluid to the casing until a predetermined positive pressure is reached in the casing, said connection leading from a point near the center of revolution of the pump parts whereby all air originally present in the casing will be discharged from the



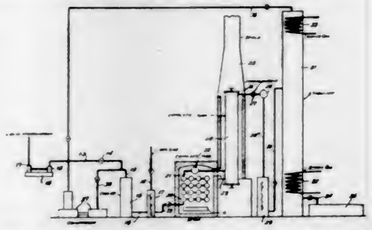
delivery port during initial operation of the pump.

2,412,836
ELECTRON DISCHARGE DEVICE
George M. Rose, Jr., East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1943, Serial No. 497,446
3 Claims. (Cl. 250—27.5)



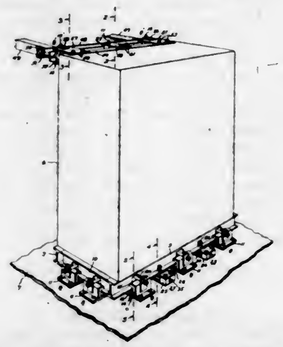
1. A vacuum device comprising a drawn annulus of severely worked ferrous metal having in its surface microscopic crevices extending through a sealing zone, a film of a metal of the copper class sweated into the inner surface of said annulus whereby the microscopic crevices in said ferrous metal underneath said film are filled flush with said surface, and a glass disc fitted into said annulus and hermetically sealed at its edge to said sealing zone by a glass-to-metal seal coextensive with the edge of said glass disc.

2,412,837
MANUFACTURE OF LIQUID HYDROCARBONS SUITABLE FOR MOTOR FUEL
James R. Rose, Arlington, Va., assignor, by direct and mesne assignments, to Potomac Hydrocarbon Process Corporation, Washington, D. C., a corporation of Delaware
Application June 26, 1945, Serial No. 601,675
4 Claims. (Cl. 196—52)



1. An apparatus or system for the purpose specified comprising pressure-creating means, means for supplying a hydrocarbon base fluid to said pressure-creating means, a cooler, a conduit for delivering the fluid from the pressure-creating means to the cooler, a cracking stove, a plurality of communicating cracking elements arranged one above another in said stove and a catalyte container of greater diameter than the cracking elements and located above the cracking elements in the said stove and communicating with the uppermost of said elements, a conduit for delivering fluid from the cooler to the lowermost of the said cracking elements, a burner in said stove below the said elements for heating the said elements and the catalyte container, a vertical stack extending above the stove and connected to the stove at a point adjacent to the upper portion of the latter, means for delivering thereinto the products of combustion from the burner in said stove which have contacted the said elements and the said catalyte container, a vertically extending catalyte container in the said stack communicating at a point adjacent to its bottom with the first mentioned catalyte container and arranged to be exposed substantially throughout its entire length to the rising products of combustion in said stack, a delivery pipe communicating with the upper portion of the vertical catalyte container, an expansion valve in said pipe, a cooler with which the delivery end of said pipe communicates, a collector, a pipe connecting the second cooler and the collector, a stabilizing tower, a pipe communicating at one end with the said collector and at its upper end with said stabilizing tower substantially midway of the height of the tower, a heating device in the lower portion of said stabilizing tower, a condensing device in the upper portion of said stabilizing tower, a pipe communicating with the tower below the heating device, and a tank with which the delivery end of said pipe communicates.

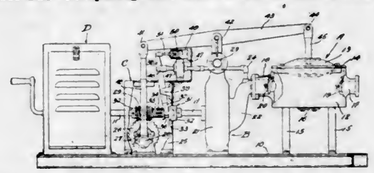
2,412,838
SHOCKPROOF MOUNTING
Ronald B. Shores, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application January 6, 1944, Serial No. 517,265
11 Claims. (Cl. 248—22)



1. In combination, a base, a device to be supported thereby, means for substantially rigidly supporting said device from said base rupturable on application to the base of a shock above a predetermined level, and means for resiliently supporting said device from said base following rupture of said rigidly supporting means.

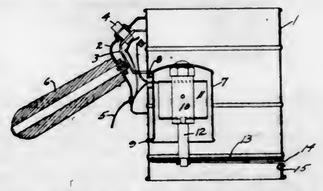
2,412,839
CENTRIFUGAL PUMP PRIMER
Julius Lamar Smith, Jacksonville, Fla.
Application March 28, 1944, Serial No. 528,437
8 Claims. (Cl. 103—113)

1. A pumping apparatus of the character stated comprising, in combination, a centrifugal pump having an inlet, a suction pump having an outlet and connected with the inlet of the centrifugal pump to feed the latter, a power transmitting shaft operatively coupled with the centrifugal pump, a power delivering coupling between said shaft and the vacuum pump, including a worm gear and a worm supported upon the shaft, a clutch for coupling the shaft with the worm and



including a disk fixed to the shaft and a disk slidable on the shaft, means normally urging the sliding disk into operative connection with the first disk, and means operating automatically to disengage the sliding disk from the first disk to stop the operation of the vacuum pump following the priming of the centrifugal pump and the establishment of full pumping action of the latter.

2,412,840
ECCENTRIC-SOLENOID ACTUATED SIEVE
Leland H. Snyder, Lincolnwood, Ill., assignor, by mesne assignments, to Continental-United Industries Co., Inc., New York, N. Y., a corporation of Delaware
Application October 27, 1943, Serial No. 507,799
2 Claims. (Cl. 209—347)

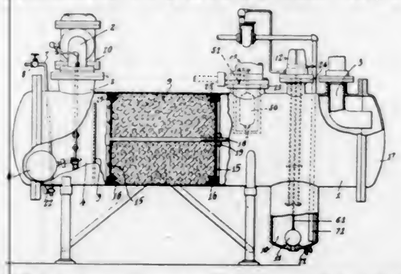


1. A portable type sieve comprising a cylindrical casing, a handle unit connected with the casing, a solenoid supported eccentrically in said casing on one side wall thereof, a plunger forming part of the solenoid and operable thereby, a screen eccentrically supported on the plunger within the casing, a strip secured diametrically across the screen and having one end only thereof coacting with the casing for limiting the movement of the screen, said strip having the opposite end secured to the periphery of the screen at a point thereon nearest the plunger, an electric cord connected with the solenoid for delivering electrical energy thereto for operating the solenoid, and a switch connected with the cord and with the solenoid for governing the operation of the solenoid to cause the plunger to transmit an undulatory movement to the eccentrically mounted screen.

2,412,841
AIR AND WATER SEPARATOR FOR REMOVING AIR OR WATER MIXED WITH HYDROCARBONS, COMPRISING A CARTRIDGE CONTAINING A WADDING OF WOODEN SHAVINGS
Earl G. Spangler, La Canada, Calif.
Application March 14, 1944, Serial No. 526,461
2 Claims. (Cl. 210—43)

1. In a separator, a cartridge through which hydrocarbons are passed to remove air or water

mixed with said hydrocarbons, comprising a wadding of wooden shavings having a density of substantially 6.5 pounds per cubic foot, said



wadding being composed of ribbons substantially one-quarter of an inch wide, and between .007 and .031 inch in thickness, said wooden shavings being resin free.

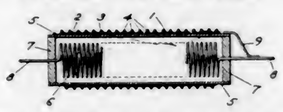
2,412,842

ELECTRONIC DISCHARGE CATHODE

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Original application September 30, 1941, Serial No. 412,993. Divided and this application May 23, 1944, Serial No. 536,996

2 Claims. (Cl. 250—27.5)



1. An electric discharge device including spaced anode and cathode electrodes the surface of one of which electrodes is covered in part with loose and outwardly projecting particles of material subject to being removed therefrom by the electrostatic forces between the two said electrodes, means to prevent the removal of said particles of material, said means comprising an electrostatic shield comprised of a helically wound wire coil having a coil-turn spacing and extending in contact for its full length with said electrode having the projecting particles, said coil being of highly refractory non-emissive metal and being electrically connected to said electrode having the projecting particles, said coil having its convolutions exposed in front of said electrode having the projecting particles and in front of said projecting particles, said coil providing for the location thereon of the electrostatic lines of force in front of said electrode surface having the projecting particles and in front of said particles in preference to the location of said lines of force on the said electrode surface having the projecting particles, and said coil providing for the passage between the convolutions thereof of electrons to and from said electrode surface having the projecting particles.

2,412,843

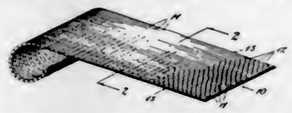
WOVEN RESISTANCE UNIT

Louis Spraragen, Bridgeport, Conn., assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn., a corporation of Connecticut

Application January 29, 1944, Serial No. 520,228

18 Claims. (Cl. 219—46)

1. As a new article of manufacture, a resistor comprising a fabric having warp of strands of extruded insulating fibers and weft comprising solely a single continuous piece of uncovered resistance wire interwoven with the warp to form a



pattern wherein no portion of the wire contacts any other portion thereof so that a current will flow through the same which follows solely a series path.

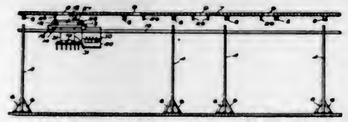
2,412,844

WOOL STORAGE AND TRANSPORTING MECHANISM

Arthur M. Stevens, Methuen, Mass.

Application March 29, 1945, Serial No. 585,539

11 Claims. (Cl. 214—16)



1. Apparatus of the class described comprising a warehouse having a lower story for the storage of portable material and a superposed upper story for sorting the material having a floor provided with openings through which the sorted material may be dropped, vertical partitions in said lower story extending from a side wall thereof and terminating at such distance from the opposite wall as to provide an aisle along the latter and of such height as to leave such narrow space between the upper ends of said partitions and the floor of the upper story as will prevent the passage of the grapple or cab of a crane therethrough, a traveling crane having a bridge mounted upon suitable tracks to travel longitudinally of the space between the upper ends of said partitions and the floor of the upper story and having a cab for the operator depending into said aisle, a traveling carriage mounted on said bridge movable transversely of the direction of movement of the bridge provided with a vertically movable grapple fork, and means under control of the operator for actuating the mechanisms of said crane and fork to transfer masses of said material to different portions of the respective bins and from a bin to a truck located in the aisle.

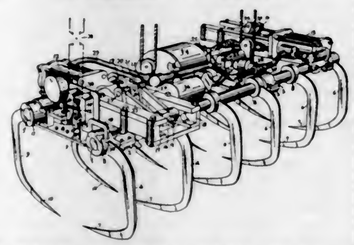
2,412,845

GRAPPLE FORK

Arthur M. Stevens, Methuen, Mass.

Application June 9, 1945, Serial No. 598,525

11 Claims. (Cl. 294—88)



1. A vertically movable grapple fork comprising a frame, parallel rock shafts mounted thereon each having rigid therewith a series of hooked tines complementary to those of the other, and reversely arranged simultaneously operated power applying units mounted on and connected directly and separately each to its respective rock shaft and acting simultaneously to swing said tines toward and from each other.

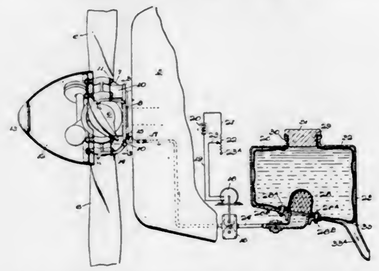
2,412,846

MEANS FOR SUPPLYING INFLAMMABLE ANTIFREEZE FLUIDS FOR USE ON AIRFOIL SURFACES SO AS TO PREVENT EXPLOSION OF THE FLUID

Myron L. Taylor, Ridgewood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application June 2, 1943, Serial No. 489,415

4 Claims. (Cl. 244—134)



1. In means for preventing accumulation of ice on an aircraft propeller, the combination, comprising centrifugally actuated means associated with the propeller and adapted for rotation therewith to discharge an anti-freeze fluid onto the propeller to remove ice from the propeller, a resilient bladder for carrying a supply of anti-freeze fluid, a relatively rigid container for supporting said bladder, said bladder arranged so as to seal the anti-freeze fluid carried therein from atmospheric oxygen so as to prevent the explosion thereof, a port leading into the interior of said container so as to subject the exterior of said bladder to atmospheric pressure, a conduit leading through said container into said bladder for conducting the anti-freeze fluid carried therein to the centrifugally actuated discharge means, pump means connected to said conduit so as to apply a suction force for draining said anti-freeze fluid from the interior of said bladder and exerting a pressure force so as to expel such anti-freeze fluid into the discharging means.

2,412,847

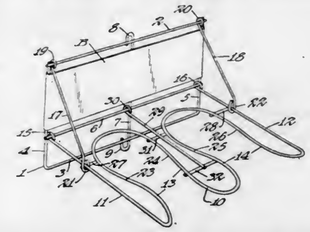
BOOT HANGER

Noel Van Tilburg, Minneapolis, Minn.

Application August 31, 1945, Serial No. 613,881

1 Claim. (Cl. 211—35)

In a device of the class described, a normally vertical frame section having spaced upper, intermediate, and lower members, and spaced end legs, and adapted to be secured to a wall, a normally horizontal frame section horizontally pivoted to the intermediate member of said normally vertical frame section, said normally horizontal frame section comprising laterally spaced guide arms projecting outwardly from the pivot axis and being provided between said guide arms with a pair of outwardly opening boot receiving forks, a pair of diagonal supporting arms, each pivoted at one end to the upper member of said normally vertical frame section and at its other end loosely embracing and being slidable on the guide arms of the normally horizontal frame whereby to permit the normally vertical and normally horizontal sections to be collapsed in side-by-side relationship, stop means on said guide arms preventing downward movement of



said normally horizontal frame section beyond a substantially horizontal position, and a reenforcing arm pivoted at its rear end to the medial portion of the intermediate member of the normally vertical frame section and rigidly connected at its front end to the outwardly projecting end portions of said boot receiving forks.

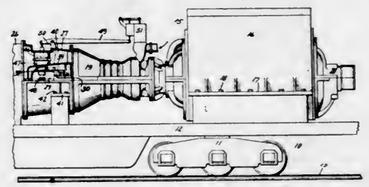
2,412,848

TURBINE-GENERATOR

Glenn B. Warren, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 3, 1944, Serial No. 516,874

6 Claims. (Cl. 290—52)



2. In a mobile power plant, a car having a frame of appreciable flexibility, and a turbine-generator set arranged lengthwise on the frame and including a generator having a flanged casing of substantial axial length rigidly secured throughout its length to the frame and a turbine having a casing of substantial axial length with an inlet end adjacent the generator, means forming a two-point support for the exhaust end of the turbine on the frame, and means flexibly supporting the inlet end of the turbine casing on the adjacent end of the generator casing so as to permit limited angular displacement between the casings without creating excessive stresses therein.

2,412,849

COMBINED EXTENSION TABLE AND CABINET

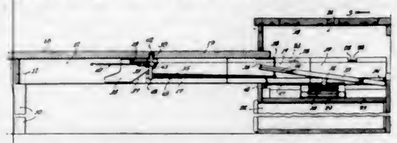
Peter H. Weber, Milwaukee, Wis., assignor to Florence J. Sterling, Chicago, Ill.

Application May 26, 1941, Serial No. 395,211

4 Claims. (Cl. 311—2)

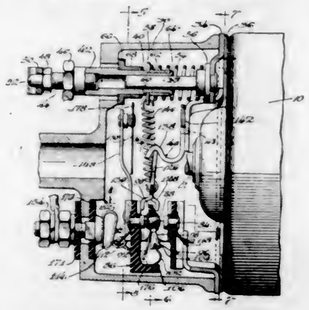
1. A collapsible table for the purpose described having a lengthwise extensible and collapsible frame, a table top comprising a plurality of separable sections in coplanar relation when said frame is extended, one of said sections being mov-

able with the movable end of said frame, a support for said movable frame end movable therewith, means at the other end of said frame for elevating another of said sections clear of the



plane of said first named sections to admit the latter beneath said elevated section when said frame is collapsed, and means responsive to collapse of said frame for actuating said elevating means.

2,412,850
ELECTRIC WINDSHIELD WIPER
John B. Whitted, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 28, 1942, Serial No. 463,616
9 Claims. (Cl. 15—253)



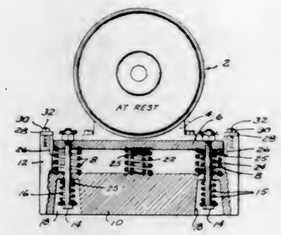
7. In an electric windshield wiper of the class described, the combination of a wiper blade, a reversible motor for driving said blade, a first circuit for operating said motor in one direction, a second circuit for operating said motor in the opposite direction, a reversing switch controlling said circuits, a manual control switch in one of said circuits, an automatic parking switch in the same circuit as the manual control switch and arranged in parallel therewith, and means for operating said reversing switch and automatic parking switch in timed relation.

2,412,851
DYNAMOELECTRIC MACHINE AND METHOD OF MAKING THE SAME
Robert W. Wieseman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 3, 1945, Serial No. 586,341
10 Claims. (Cl. 171—252)



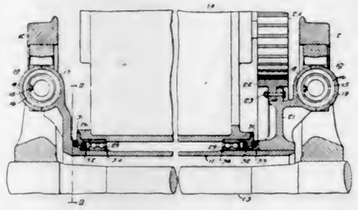
1. A dynamoelectric machine coil including coil sides having an electrically conductive material interior, a nonadhesive insulating tape arranged around said conductive interior, and means including a polyvinyl formal resinous tape arranged around said nonadhesive tape for retaining said nonadhesive tape in position.

2,412,852
SUPPORT DEVICE
Joseph Kaye Wood, New York, N. Y., assignor to General Spring Corporation, New York, N. Y., a corporation of New York
Application January 28, 1944, Serial No. 520,007
4 Claims. (Cl. 248—20)



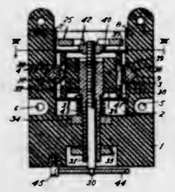
1. Vibration resisting apparatus comprising in combination with a machine having fluctuating reaction to dynamic load, but a predetermined mean operating weight inclusive of said dynamic load, a fixed foundation, spring means engaged between said foundation and said machine and capable of substantially balancing and resiliently supporting said mean operating weight, and auxiliary spring means of a length adapted to bring it into substantially unstressed engagement between the machine and said foundation when said spring means is carrying said mean operating weight and in engagement between said foundation and said machine but in substantially unstressed condition.

2,412,853
DRIVE DEVICE
Frank L. Alben, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1945, Serial No. 584,327
3 Claims. (Cl. 105—131)



1. In a locomotive drive, in combination, an axle, a wheel removably secured to each end of the axle, a rotatable quill surrounding the axle, a spider secured to one end of the quill, a combined spider and gear removably secured to the other end of the quill, a motor having a pinion for driving the gear, a housing extending the full length of the motor frame for the quill, roller bearings disposed at each end of the housing for the quill, said housing having space therein for a lubricant for said bearings, and resilient members disposed in said spiders to engage said wheels.

2,412,854
THERMOSTATIC RELAY
George C. Armstrong, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1944, Serial No. 525,541
15 Claims. (Cl. 74—2)

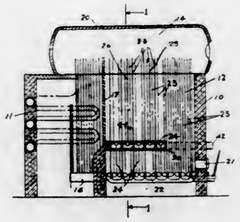


1. A heat-responsive and ambient-temperature compensated relay comprising a rotary and axially displaceable member spring biased for rotation, two thermostats axially movable in the same direction in response to heat and disposed for normally engaging said rotary member at axially opposite sides so as to prevent it, when moved against its spring bias, to perform a return motion under said bias, stationary stop means for limiting the heat-responsive axial motion of one of said thermostats in order to release said member, and heating means associated with one of said thermostats for heating it in order to cause it to abut against said stop means upon occurrence of a given release condition.

2,412,855
PROCESS OF SORBING IONS
Robert W. Auten, Jenkintown, and Donald S. Herr, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 22, 1943, Serial No. 511,352
15 Claims. (Cl. 210—24)

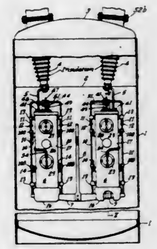
9. The process of removing cations from fluids containing same which comprises bringing the cation-containing fluid into contact with an infusible cation-sorbing resin and thereafter separating said resin and said fluid, the resin being a product prepared by reacting at a pH of 4 to 10 by condensing together as the essential reactants (*a*) an aldehyde from the group consisting of formaldehyde, acetaldehyde, butyraldehyde, furfuraldehyde, and benzaldehyde, (*b*) a water-soluble salt of sulfurous acid and a metal of group IA of the periodic table, and (*c*) a member of the group consisting of melamine, melam, ammeline, thioammeline, methyl ammeline, ethyl ammeline, β,β'-bis-thioammeline diethyl ether, 2,6-diamino-1,3-diazine, 5-methyl-2,6-diamino -1,3 - diazine, and 4-chloro-2,6-diamino-1,3-diazine, at a temperature at which these components form a condensate containing salt-forming sulfonate groups, the reaction being effected in the presence of a solvent for the condensate, the aldehyde being present in an amount between about 0.5 and 2 mols per reactive amino group in said member of the above class and said salt being present in an amount between about 0.05 and 1 mol per mol of aldehyde, heating the condensate dissolved in the solvent until a gel is formed, heating the gel at a temperature and for a time sufficient to form an infusible, resinous, porous mass, and comminuting said mass.

2,412,856
STEAM GENERATOR
John Phillips Badenhausen, Philadelphia, Pa., assignor of one-half to Bayard Badenhausen, Philadelphia, Pa.
Application March 30, 1945, Serial No. 585,619
5 Claims. (Cl. 122—255)



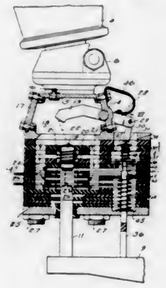
1. In a steam generator, a steam and water compartment, a combustion chamber below said compartment having side walls and a bottom wall providing a hearth, steam generating tubes connected to said steam and water compartment and having substantially horizontal portions, and arch blocks carried on said portions of said tubes, said arch blocks being I-shaped and having upper portions and lower portions, the spaces between said upper and lower portions of said blocks comprising air delivery compartments, and said lower portions of said blocks being provided with openings for the discharge of air toward said hearth for the combustion of fuel thereon.

2,412,857
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 9, 1943, Serial No. 471,847
19 Claims. (Cl. 200—150)



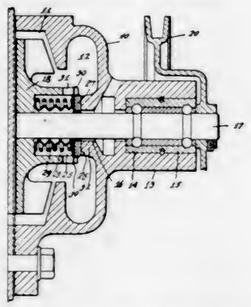
1. In a circuit interrupter, means defining a substantially closed stationary chamber, a plurality of relatively stationary contacts mounted external to the chamber so as to be freely vented, a plurality of apertures in the wall of the chamber, a plurality of movable contacts movable away from the stationary contacts and through the apertures to within the chamber to draw a plurality of serially related arcs through the apertures, and means other than the arcs for putting the fluid within the chamber under pressure to cause an ejection of fluid out of the chamber and through the apertures substantially longitudinally of the arc to extinguish the arcs.

2,412,858
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, and Winthrop M. Leeds, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1943, Serial No. 475,394
6 Claims. (Cl. 200—150)



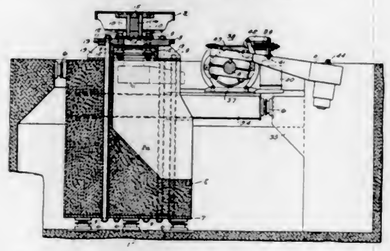
1. In a circuit interrupter, a pivotally mounted pressure generating contact, an intermediate contact cooperable with the pressure generating contact to draw a pressure generating arc, a movable contact cooperable with the intermediate contact to draw an interrupting arc, an operating rod movable in response to motion of the movable contact to actuate the pressure generating contact, and piston means operatively connected to the operating rod and responsive to the pressure of the pressure generating arc to halt the opening movement of the pressure generating contact during high pressure conditions.

2,412,859
SEAT DRESSING TOOL
Galen A. Barnes, Indianapolis, Ind.
Application October 15, 1945, Serial No. 622,295
9 Claims. (Cl. 51—131)



1. A device for dressing an annular shaft-seal seat surrounding the shaft bore of a water-pump case and concentric with said bore and with the coaxial bearing-receiving bore of said case, comprising a head rotatable at dressing speed on a fixed axis, an annular tool thereon providing a radial work-surface, a pilot coaxial therewith, an eccentric positioned by said pilot with its axis of eccentricity coaxial with said head, said eccentric having an outer cylindrical surface rotatably fitting said bearing receiving bore to support said pump case with its shaft-seal seat against said work-surface in position to be dressed true, and a crank on said eccentric whereby it may be rotated in said bearing-receiving bore to carry the axis thereof and the center of said seat over an eccentric path of revolution about the axis of rotation of said tool and head.

2,412,860
MECHANICAL SHOCK APPARATUS
René A. Baudry, Wilkinsburg, and Frank C. Rushing and John C. Fink, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1944, Serial No. 525,494
10 Claims. (Cl. 73—12)



1. Mechanical shock apparatus comprising, in combination, a resiliently supported mass, a platform for supporting equipment to be subjected to mechanical shock, means securing said platform to said mass for providing limited movement of the platform relative to said mass, and a second mass arranged to strike said platform.

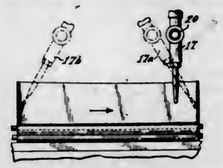
2,412,861
CATAMENIAL DEVICE
George William Beadle and Doris Lillian Hetty Beadle, Snaresbrook, England
Application October 12, 1944, Serial No. 558,339
In Great Britain July 31, 1944
2 Claims. (Cl. 128—285)



1. The method of making catamenial tampons consisting in crossing strip of gauze, laying thereon smaller strips of absorbent material, folding all of said strips together about their concentric point to form the insertion end of the tampon and enclose the absorbent material within the gauze strips and subsequently uniting the ends of the gauze strips together beyond the ends of the absorbent material.

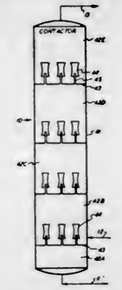
2,412,862
MEANS AND METHOD FOR HERMETIC BAG AND TUBE CLOSURES
Samuel Bergstein, Cincinnati, Ohio, assignor to Robert Morris Bergstein and Frank David Bergstein, trustees
Application September 28, 1942, Serial No. 459,948
14 Claims. (Cl. 93—6)

1. A method of hermetically sealing the end of a flexible tubular bag or liner which comprises pressing together opposite walls thereof whereby to hold them against each other along a line spaced from the end of the liner, opening up the liner end so as to separate the said walls beyond the line of pressure and introducing a sealing



medium into said open end in a continuous body to form a plastic, ribbon-like mass whereby to effect a seal above the line at which said walls are held together.

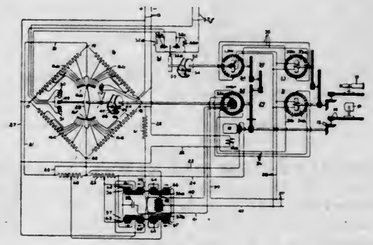
2,412,863
CIRCULATION AND CONTACTING OF ACID CATALYSTS
John C. Bolinger, San Marino, and Paul W. Prutzman, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application November 15, 1944, Serial No. 563,539
2 Claims. (Cl. 260—683.4)



1. The process of catalyzing a feed stream of mixed hydrocarbons by means of a liquid acid catalyst which comprises: establishing a succession of zones of contact between bodies of said catalyst and said hydrocarbon stream; passing said stream through said zones successively, said stream entering the lower portion of each said zone at velocities sufficient to ensure turbulence therein and the carrying forward of a portion of said catalyst from zone to zone and out of the last of said zones in entrainment in said hydrocarbons, said entrainment of catalyst being in amount at least sufficient to permit maintenance of the catalytic efficiency of said bodies of catalyst through replacement of spent catalyst; separating said entrained catalyst from the stream emerging from the last of said zones; regenerating at least a portion of said separated catalyst; separating unreacted hydrocarbons from the catalyst-free stream; creating a stream of said unreacted hydrocarbons; returning said stream under high pressure to one of said zones, and aspirating into said high pressure stream the catalyst separated from said emerging stream.

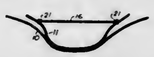
2,412,864
CONTROL SYSTEM
Kenneth K. Bowman and Garold A. Kane, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application August 20, 1937, Serial No. 160,092
Renewed June 13, 1939
19 Claims. (Cl. 172—239)

6. A follow-up control system for causing a driven object to move into positional agreement with a pilot device comprising driving means for said object, means for controlling said driving means, means responsive to positional disagreement of said pilot device and driven object for actuating said control means to cause said driving means to drive said object toward correspondence with said pilot device comprising an electrical motion transmitting device connected to said pilot



device and an electrical motion receiving device electrically connected to said transmitting device and mechanically connected to said object, and anti-hunting means responsive to an operating condition of said driving means for supplying a current to said receiving device to cause said control means to reduce the torque of said driving means.

2,412,865
SHOE AND METHOD OF MANUFACTURING THE SAME
James R. Brady, St. Louis, and Abram Moskowitz, University City, Mo., assignors to Milius Shoe Company, St. Louis, Mo., a corporation of Missouri
Application February 20, 1946, Serial No. 648,879
7 Claims. (Cl. 36—19.5)



1. In a shoe, an upper having an outer ply and a lining ply, means securing together the lower marginal portions of said plies, a sock liner having its marginal portion stitched only to the lining ply of the upper along lines spaced inwardly from the lower margin of said lining ply, a member positioned beneath and adhesively secured to the sock liner, the secured together marginal portions of said upper plies extending about the edge of said member and being secured to the bottom thereof, and an outsole secured to the bottom of said member.

2,412,866
DOUBLE-END TURBINE LOCOMOTIVE
Winston A. Brecht, Wilkinsburg, and Charles Kerr, Jr., Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1944, Serial No. 521,792
5 Claims. (Cl. 105—38)



1. A double-end locomotive comprising, a power unit and a tender unit having a substantially

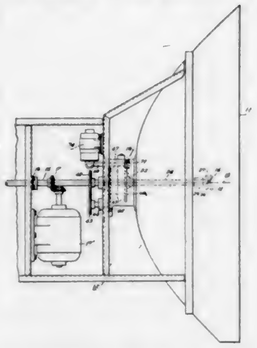
symmetrical outline, an operating cab disposed substantially at the middle of the locomotive to afford clear vision in either direction, said power unit having a guiding truck disposed at each end thereof and a plurality of driving axles disposed between the guiding trucks, said tender unit having a guiding truck at each end thereof and a plurality of driving axles between the guiding trucks, and turbine means disposed between wheels of the guiding trucks for propelling said driving axles at relatively high speeds in either direction, said turbine means being directly connected to said axles through reversing and reduction gears and drive shafts disposed longitudinally of the locomotive.

2,412,867

SEARCH SYSTEM FOR RADIO LOCATORS

Maynard R. Briggs and Angus A. Macdonald, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 10, 1943, Serial No. 509,684
8 Claims. (Cl. 250—11)



8. The method of locating an object by means of a beam of ultra-high frequency energy for the purpose of range finding which comprises, irradiating space having the form of a hollow conical pattern sweeping the field of search by said pattern, enlarging the effective base of said conical pattern for rough location of said object at recurrent intervals of fixed periodicity during sweeping said field of search, and narrowing said effective base upon location of the object for accurate determination of range.

2,412,868

CATALYTIC CRACKING OF HYDROCARBON OILS

Cecil L. Brown, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 25, 1945, Serial No. 590,315
4 Claims. (Cl. 196—52)

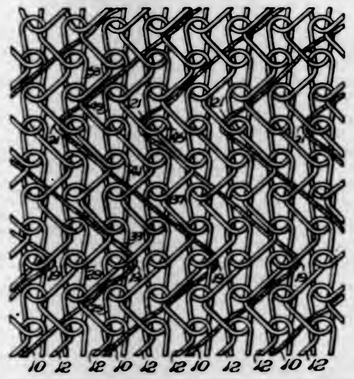
1. In a process for catalytic cracking of hydrocarbon oils in the presence of a steam-sensitive catalyst wherein the catalyst is alternately subjected to cracking and regeneration and wherein the catalyst is exposed to the action of steam during the operation, the method of maintaining the activity of said catalyst which comprises introducing ammonia into the zone in which the catalyst is initially exposed to the steam.

2,412,869

WARP KNIT FABRIC AND METHOD OF MAKING THE SAME

Charles R. Burns, West Reading, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania

Original application January 13, 1941, Serial No. 374,219. Divided and this application August 26, 1944, Serial No. 551,305
6 Claims. (Cl. 66—192)



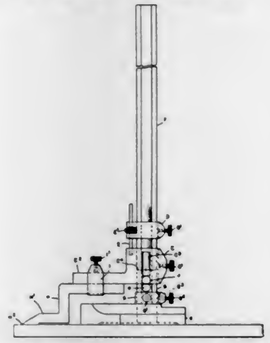
1. A warp knit fabric consisting of two sets of warp yarns, one set being knitted into loops constituting successive courses, the loops in certain of said courses at spaced intervals in the fabric being of the non-reversing closed type, the loops in the remaining courses in the fabric being of the reversing closed type, and the other set of yarns being laid into the fabric in zig-zag directions and hung unto said non-reversing closed loops.

2,412,870

SURFACE LAYOUT GAUGE

Walter B. Champlin, Detroit, Mich.

Application September 13, 1943, Serial No. 502,169
5 Claims. (Cl. 33—169)



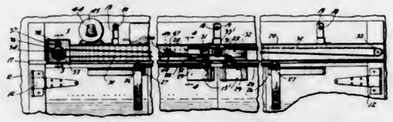
1. A layout gauge comprising a base, a column rising therefrom, a slide on said column, a scale vertically adjustably mounted on said column, means for locking said scale to said column in different positions of adjustment, an indicator arm projecting laterally from said slide, and cooperating members on said slide and scale adapted when in contact to register the zero marking on the scale with an index on the slide whereby a direct reading on said scale may be taken of a dimension between any two positions of said indicator.

2,412,871

DOOR OPERATING APPARATUS

Henry B. Clark, Elizabeth, N. J.

Application October 24, 1944, Serial No. 560,144
9 Claims. (Cl. 268—63)



1. A door operating apparatus comprising a horizontal track, two guide blocks spaced longitudinally of and movable toward and from each other in said track, two flexible connectors each having one end connected to one of said guide blocks and its other end connected to the other guide block, a guide for each connector around which passes the intermediate portion of said connector such that said guide blocks are moved toward and from each other upon longitudinal movement of either of said connectors in opposite directions respectively, and means for pivotally connecting each guide block to a door.

2,412,872

WALL CLOSURE

Thomas C. Clark, Jr., Clayton, Mo., assignor to Supply Division, Inc., Robertson, Mo., a corporation of Missouri

Application February 6, 1946, Serial No. 645,779
2 Claims. (Cl. 220—24.2)



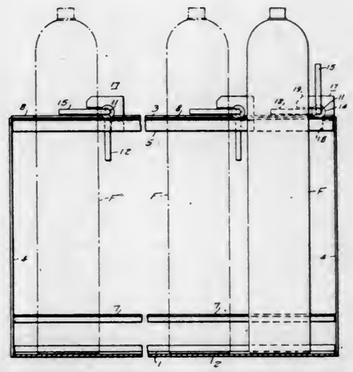
1. A closure assembly for an access opening in a body wall comprising in combination, a plate member positionable over the wall opening from one side and having a lip portion overlying the margins of the opening, said plate member being formed with a plurality of inwardly struck projections for guiding the plate into closing position, a plurality of retaining elements for engaging the margins of the opening at spaced zones to urge the lip portion of said plate member closely thereover, and an inwardly struck bridge piece which is severed from the plate member along opposite sides to provide aligned slots; a latch element carried by said bridge piece for movement through the aligned slots from a locking position in which one end thereof is in engagement with the margin of the wall opening underlying the lip portion of the plate member to an unlocking position in which said one end is free of such engagement for permitting removal or placement of the plate member over the wall opening; and said plate member having an inwardly struck element to provide a recess which is severed from the plate member along one side to provide a slot spaced from but aligned with the slots of said bridge piece and formed with an outwardly inclined surface opposite its slot, said latch element having its said opposite end extending through said recess slot to project outwardly of the recess when in unlocking position and to ride within said recess when in locking position whereby, when in said latter position the inclined surface of said recess is effective normally to restrain the latch element from movement outwardly of said recess toward unlocking positions.

2,412,873

BOTTLE HOLDER

John Cosley, North Braddock, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 16, 1944, Serial No. 563,718
6 Claims. (Cl. 211—74)



1. In a rack for storing elongated objects in a vertical position on a base and within a recess in the front of a horizontal member forming part of the rack, in combination, a shaft disposed for rotary motion on the horizontal member on an axis substantially normal to the member, a pendulous depending projection on the rear end of the shaft rigidly secured thereto and tending to hold the shaft in a given angular position, a pendulous arm projecting at right angles from the front end of the shaft, said arm falling in a plane normal to the plane defined by the shaft and the pendulous depending projection, said pendulous arm when in horizontal position falling in front of the recess in the horizontal member, and means for limiting the rotation of the shaft through a right angle so that when the pendulous arm is in horizontal position the pendulous depending projection is in a vertical position and when the pendulous arm is in a vertical position, so that an object may be inserted in the recess, the pendulous depending projection is in a horizontal position.

2,412,874

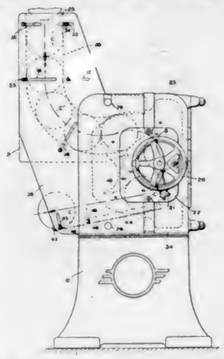
FLANGING MACHINE

Edward V. Crane and Karl A. Kuhn, Brooklyn, N. Y., assignors to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

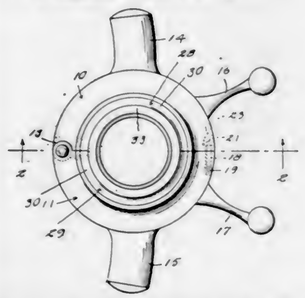
Application July 21, 1942, Serial No. 451,750
4 Claims. (Cl. 153—21)

1. In a flanging machine, a frame including two spaced, parallel frame members, a rotor mounted between said frame members; a flanging member reciprocatively mounted on said rotor; means for rotating said rotor; means for actuating said flanging member during rotation of said rotor including, a cam, a frame member for supporting said cam; means for releasably securing opposite ends of said frame member to said parallel frame members, respectively, for selectively positioning said cam in the frame and compression resistant means interconnecting said cam and a fixed member of

said frame, the last mentioned means being extendable and retractile and being disposed substantially on a line projected through said arc and parallel to the axis of said arc.



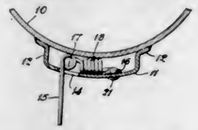
2,412,875
WELL PIPE SCREWING DEVICE
Franklin S. Crane, Montrose, Calif.
Application September 19, 1944, Serial No. 554,803
2 Claims. (Cl. 255—35)



1. A combined pipe elevating and screwing collar comprising a lengthwise split cylindrical member adapted to encircle a pipe, means hingedly coupling the split sections of said member together, female dovetailed threads on the inside surface of each section, a pair of semi-cylindrical pipe rotating members within said first member, exterior dovetailed threads carried by said pipe rotating members adapted to engage said female threads, pipe gripping means carried by said pipe rotating members, a pair of semi-cylindrical springs seated within the collar and forcing said pipe rotating members longitudinally toward the upper end of said collar constantly maintaining said gripping means in pipe gripping position, and spring pressed locking means for locking said pipe rotating members at the lower end of said first member.

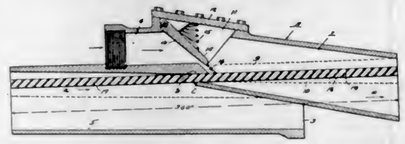
2,412,876
WIRE BRUSH FOR USE IN OIL WELLS
Roy E. Edwards, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application February 19, 1945, Serial No. 578,712
2 Claims. (Cl. 166—18)

1. A wire brush for well casing consisting of a piece of channel iron having a number of apertures disposed linearly along the longitudinal dimension thereof, wire bristles extending from the concave portion of said channel iron to the exterior thereof through said apertures and means for yieldingly mounting said bristles in said channel iron, said means including two coil



springs for each bristle, said coil springs having their axes disposed in planes at right angles to each other whereby each bristle is spring mounted for movement longitudinally of said channel iron as well as for movement transversely thereof upon distortion of said coil springs.

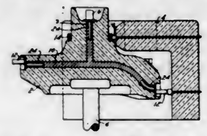
2,412,877
FLUID MOTOR
Eugene M. Evans, Jefferson City, Mo., assignor of one-fifth to E. J. Tietjen, Jefferson City, Mo.
Application April 12, 1945, Serial No. 587,944
2 Claims. (Cl. 253—65)



1. A fluid motor including a stator having a helical passage therein provided with an inlet and an outlet at respective ends thereof, said stator being divided at the center of the passage along a plane perpendicular to the axial center of the passage, thereby to provide an inflow section and an opposed outflow section, each of said sections having an arcuate port extending through approximately 345 degrees, and a disk mounted for rotation between and coaxial with the ports, said disk having a circular series of spaced blades pitched to successively receive the impact of fluid flowing from the inflow section to the outflow section, that portion of the helical passage in one section being tapered off from the inlet of the stator to the remote end of the arcuate port in said section and that portion of the helical passage in the outflow section being tapered off inwardly from the outlet port of the stator to the remote end of the arcuate port of said outflow section, and a spring-restrained valve within the helical passage adjacent to the inlet of the stator and normally spaced between the ends of the arcuate port in the inflow section of the stator, there being a by-pass for maintaining constant communication between said inlet port of the stator and the rotor, thereby to maintain constant motion of the rotor under the action of fluid entering the inlet of the stator.

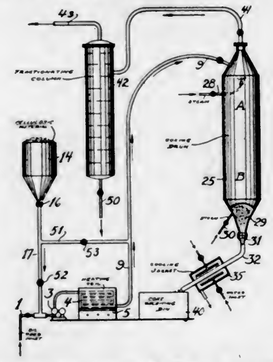
2,412,878
CORED CERAMIC ARTICLE
Eugene H. Fischer, Derry, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1943, Serial No. 481,991
1 Claim. (Cl. 200—19)

In an electrical contact device, a body of nonporous porcelain having a hole therethrough from one face to another, a low-melting-point alloy filling said hole to constitute a through



conductor, and terminals for said conductor each having a portion thereof embedded in said alloy.

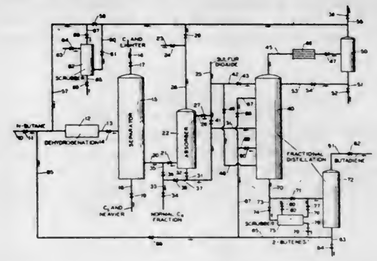
2,412,879
CHEMICAL PROCESS
Herbert G. M. Fischer, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 31, 1941, Serial No. 395,920
7 Claims. (Cl. 196—55)



3. A continuous method for converting thermally a relatively heavy petroleum oil residual into vaporizable hydrocarbons containing substantial quantities of gas oil and coke-forming constituents, which process is characterized by the feature that the coke produced is frangible and readily crushable, which comprises mixing 1% to 10% of cellulosic material with a reduced crude petroleum oil and heating the mixture to a temperature within the range of from about 800° F. to 1100° F., thereafter discharging the oil and cellulosic material into a coking zone, permitting the oil and cellulosic material to remain in contact with each other at conversion temperatures in the coking zone for a sufficient period of time to convert the oil into gas, gasoline and gas oil and to carbonize the cellulosic material, recovering gas oil, gasoline and gas from the coking zone, and separately and continuously recovering the coke formed, together with the charcoal formed, intimately mixed in the form of a frangible, readily crushable, non-adherent mass.

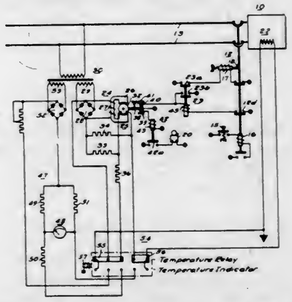
2,412,880
AZEOTROPIC DISTILLATION OF BUTADIENE AND 2-BUTENE
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 13, 1941, Serial No. 383,235
7 Claims. (Cl. 202—42)

1. A process for separating butadiene in a highly concentrated state from other normal C_4 hydrocarbons, which comprises subjecting a hydrocarbon material comprised essentially of substantial proportions of each of normal butane, 1-butene, 2-butene, and butadiene, with the proportion of 2-butene being greater than the proportion of butadiene, to fractional distillation in the presence of sulfur dioxide in amount sufficient to form minimum-boiling azeotropes with all of the normal butane and 1-butene contained in said material but insufficient to form an azeotrope



with the major portion of the 2-butene contained in said material and thereby effecting a separation of 2-butene and butadiene as a kettle product substantially free of other C_4 hydrocarbons, removing the kettle product from said fractional distillation and subjecting the same in the absence of sulfur dioxide to a second fractional distillation to separate butadiene in a concentrated state as a product.

2,412,881
CONTROL SYSTEM
Wilbur C. Fulton, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 14, 1944, Serial No. 554,113
4 Claims. (Cl. 177—311)

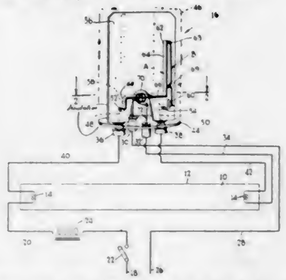


1. A temperature responsive control system for use with apparatus comprising, a temperature detector coil associated with the apparatus, a temperature responsive relay having an operating winding connected for energization in accordance with the temperature of the detector coil and provided with normally closed contact means and normally open contact means actuable in sequence in accordance with the energization of said winding, alarm means operable under the control of the normally closed contact means of the temperature responsive relay when the apparatus reaches a predetermined operating temperature, and relay means operable under the control of the normally open contact means of the temperature responsive relay when the apparatus reaches a higher predetermined operating temperature to render the apparatus inoperative.

2,412,882
TRIMETHYLENE CHLORBROMIDE
Clyde B. Gardenier, Belleville, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
No Drawing. Application June 3, 1944, Serial No. 538,701
4 Claims. (Cl. 260—658)

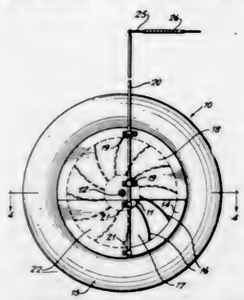
1. The method for producing trimethylene chlorbromide comprising to a substantially pure oxygen saturated solution of allyl chloride and water adding hydrogen bromide and free bromine.

2,412,883
STARTING SWITCH
Frank P. Gasser, Beverly Farms, Mass., assignor to Gasard Patents Inc., New York, N. Y., a corporation of New York
Application April 16, 1943, Serial No. 483,253
4 Claims. (Cl. 200—122)



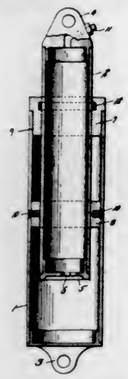
1. A starting switch for an electric discharge lamp comprising a pair of contacts, a bimetallic strip including two straight angularly disposed portions, means to support one of said portions, and heating means disposed in heat transfer relationship with said one portion and open to the atmosphere, one of said contacts being carried by the other of said portions, said heating means including a helical resistance coil encircling and running longitudinally of said other portion.

2,412,884
AIRPLANE WHEEL TURNING DEVICE
Peter J. Grabash, Middletown, Pa.
Application December 28, 1945, Serial No. 637,640
3 Claims. (Cl. 244—103)



1. The combination with an airplane wheel, of a plurality of vanes carried by the wheel between its hub and its rim, a fixed cover plate enclosing one upper half of the side of the wheel, and a segmental deflector carried by the cover plate and adapted to close a portion of the lower half of the wheel.

2,412,885
SHOCK ABSORBER
Ralph M. Harmon, Wichita, Kans., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application October 14, 1944, Serial No. 558,755
2 Claims. (Cl. 188—88)

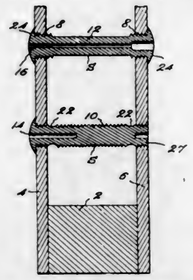


1. In a shock absorber or hydraulic actuator for aircraft of the like, an arrangement comprising a barrel having open and closed ends and external attaching means at the closed end, a tubular piston having open and closed ends and operating with the open end within the open end of the barrel and forming therewith a variable capacity compression and expansion chamber for contained liquid and air, said piston having external attaching means at the closed end of the same, said piston being of less diameter and operating clear of the inner surface of the barrel and bearing lands for the piston fixedly secured in said barrel at the outer, open end and at an intermediate point in the length of the barrel, said bearing lands having smooth finished internal bearing surfaces of fundamentally the same diameter and of less diameter than the internal diameter of the barrel and the tubular piston having a corresponding smooth finished bearing surface of the same diameter and slidingly operating in said finished internal surfaces of said fixedly supported and spaced bearing lands, whereby the only bearing surfaces are the external surface of the piston and the internal surfaces of said fixedly spaced lands.

2,412,886
BOILER CONSTRUCTION AND METHOD OF PRODUCING SAME
Frederick P. Huston, Fanwood, and Lawton A. Burrows, Woodbury, N. J., and Walter E. Lawson, Wilmington, Del.; said Huston assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware; said Burrows and Lawson assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 2, 1943, Serial No. 474,480
In Canada December 16, 1942
2 Claims. (Cl. 122—493)

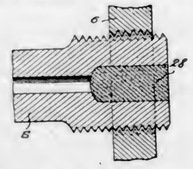
1. A boiler comprising a fire sheet and a wrapper sheet provided with pairs of aligned threaded holes, staybolts securing said fire sheet and wrapper sheet in spaced relation to each other, each staybolt being threaded at its ends and being screwed into a pair of said aligned holes, each end of the staybolt extending beyond the plane

of the outer face of said sheets and being provided with a bore extending inwardly beyond the plane of the inner face of said sheets, the metal surrounding each of said bores being in blasted inter-



facial contact capable of withstanding fluid pressures of at least 2000 pounds per square inch throughout the adjoining wall area and the sheet face peripheries of said holes.

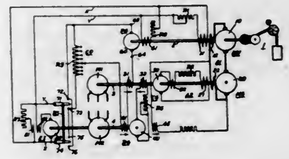
2,412,887
STAYBOLT
Frederick P. Huston, Fanwood, and Lawton A. Burrows, Woodbury, N. J., and Walter E. Lawson, Wilmington, Del.; said Huston assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware; said Burrows and said Lawson assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application February 2, 1943, Serial No. 474,480. Divided and this application December 19, 1944, Serial No. 568,882. In Canada December 16, 1942
3 Claims. (Cl. 85—1.5)



1. A metallic staybolt having circular ends adapted for insertion into circular holes in respective plates, whereby said plates are to be joined and maintained at a predetermined distance apart, bores provided in each of said ends of sufficient depth to extend at least to the inner face of the respective plates, and a charge of high velocity explosive substantially filling at least one of said bores, said bores being open for escape of the products of explosion.

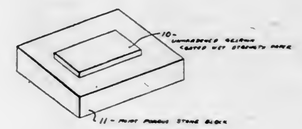
2,412,888
CONTROL SYSTEM
Joe G. Ivy, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 14, 1944, Serial No. 540,267
8 Claims. (Cl. 172—239)

3. A variable voltage drive comprising, a motor, a main generator having an armature circuit connected to said motor and a main generator field winding for controlling the voltage of said circuit, an amplifying control generator disposed for energizing said main generator field winding and having a current limiting field winding and a control field winding, a regulating generator having saturably shunted field poles so as to generate voltage only when the excitation of said field poles exceeds a given value, said regulating generator being field-controlled by said armature circuit and connected to said current limiting field winding so as to impress on the latter said voltage when the load current in said circuit exceeds a given maximum limit, a control field winding on said regulating generator, operator-



controlled circuit means for providing an adjustable pattern voltage, and a pilot generator mechanically connected with said motor for providing a control voltage variable substantially in accordance with the motor speed, said circuit means and said pilot generator being connected with each other and with said two control field windings so as to energize them simultaneously in accordance with the differential value of said pattern and control voltages.

2,412,889
PRINTING PROCESS
Edward Jahoda, Detroit, Mich., assignor to Walter M. Fuchs, Detroit, Mich.
Application February 16, 1945, Serial No. 578,187
1 Claim. (Cl. 101—149.2)

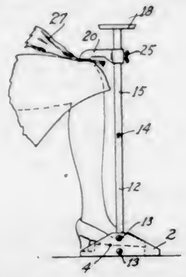


In the art of printing with moisture repelled, greasy printers' ink with a non-hygroscopic, initially untanned gelatin surfaced, thin, water absorbent, wet strength paper printing plate having a superficial printing image of hardened gelatin on and surrounded by an unhardened ferrogelatin background, the image having been produced on the background by surface contact thereof with an original image containing a primary chemical which reacts superficially with the ferrogelatin background to harden the engaged portions thereof to form the selective and superficially hardened image, so that there is unhardened gelatin underlying the image area as well as surrounding it, the step of feeding moisture to the plate from the back thereof, so that the moisture passes through the plate to the printing surface thereof, thus maintaining the water balance therefor, and also maintaining a constant minimum differential of level of the image and non-image areas, by applying the paper to and in contact with a moist porous stone block which wets and cools the paper.

2,412,890
PREPARATION OF METAL AMMINE SALTS
Grinnell Jones and Walter Juda, Cambridge, Mass., assignors to Albi Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 17, 1942, Serial No. 447,471
7 Claims. (Cl. 23—14)

2. A method for the preparation of a solid complex metal ammonia salt, which comprises the steps of mixing and agitating together a solid salt of an ammine complexogen metal, said salt having an anion derived from an acid stronger than carbonic acid, and ammonium carbonate, continuing said mixing and agitation until the metal salt is substantially converted into a complex metal ammonia salt, and drying the complex salt.

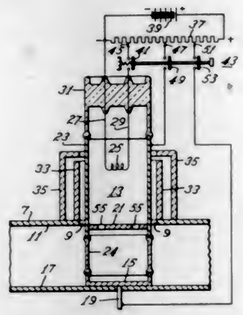
2,412,891
SEWING APPLIANCE
Frank S. Kralovic, Parma, Ohio
Application January 26, 1946, Serial No. 643,637
8 Claims. (Cl. 223—110)



1. In combination, a handicraft appliance comprising a base, an upright member detachably connected with said base, an arm detachably connected with said member, said member and arm being adapted in disassembled arrangement for deposition along said base for compactness in shipping, and a spring-controlled pedal reactingly rockable on said base for alternatively urging a user's leg upwardly until its knee engages said arm.

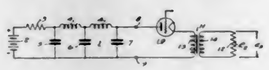
2,412,892
ULTRA HIGH FREQUENCY CONTROL SYSTEM
Sidney Krasik, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1944, Serial No. 518,222
3 Claims. (Cl. 178—44)

1. In an electrical system, a hollow wave guide for guiding electromagnetic waves, a tube interposed in said wave guide and including a chamber positioned in the path of said waves, said chamber being filled with gas and comprising an anode plate positioned at one side of said wave guide, a cathode plate having openings therethrough positioned at the other side of said wave guide and insulating walls separating said plates and extending across the path of said waves, said walls being of a material through which said waves may pass, said tube also including a second gas-filled chamber adjacent said cathode plate and a filament mounted within said second chamber, means for establishing a difference in potential between said filament and cathode plate to effect a glow discharge therebetween, and means for establishing a difference in potential between said cathode plate and said anode plate whereby some of the free electrons from said second



chamber pass through the openings in said cathode plate and a glow discharge is effected in said first chamber.

2,412,893
PULSE TRANSFORMER
Reuben Lee, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1943, Serial No. 507,120
4 Claims. (Cl. 178—44)



1. In a system for transforming substantially rectangular voltage wave pulses with substantially no wave distortion, a transformer having primary and secondary windings connected respectively to a source of electric energy and to a load circuit in which the relation between R_1 (the resistance of the primary circuit in ohms), L_2 (the primary leakage inductance in henries) and Ce (the equivalent capacity of the transformer in terms of primary voltage in farads) are related by the following equation:

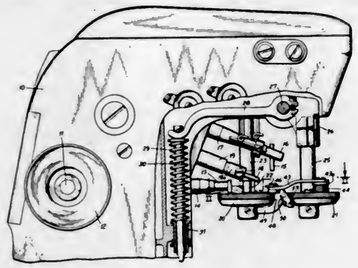
$$R_1 = 2k\sqrt{\frac{L_2}{Ce}}$$

where k is a value between 0.2 and 1.5.

2,412,894
SEWING MACHINE
Harold J. Le Vesconte, Western Springs, and Martin L. Cook, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application August 7, 1942, Serial No. 453,952
11 Claims. (Cl. 112—18)

1. In a cup-feed sewing machine a pair of feed cups, means for urging said cups into cooperative engagement, a bodily shiftable plate extending across the path of feed of the work fed by said cups in a direction tangent to one of the pair of cups at a point on the discharge side thereof, said plate having a work guiding portion extending across the periphery of the other of said cups to a point beneath the same, means for

shifting said plate into and out of operative position, and spring means for urging said plate



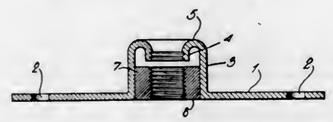
yieldingly against said one of said feed cups when the plate is in operative position.

2,412,895
LINE FOR SAFETY BELTS
Charles T. Lewis, Oklahoma City, Okla.
Application September 4, 1945, Serial No. 614,352
2 Claims. (Cl. 87—8)



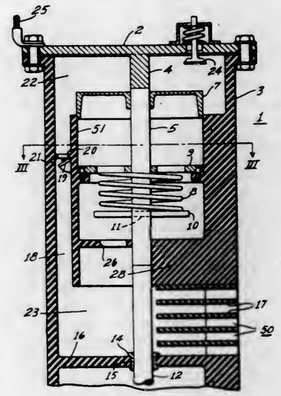
2. A safety line including: a hook having an eye; a ring; a plurality of pliable twisted strands loosely braided together throughout the major portions of their lengths, the similar ends of said strands being passed individually through said eye and being doubled back upon themselves, the opposite ends of said strands being passed individually through said ring and being doubled back upon themselves; and a plurality of clamps, each clamp engaging one of said ends and anchoring it to its own strand.

2,412,896
THREADED LOCKING DEVICE
Richard W. Luce, Southport, Conn.
Application June 16, 1943, Serial No. 491,023
2 Claims. (Cl. 151—21)



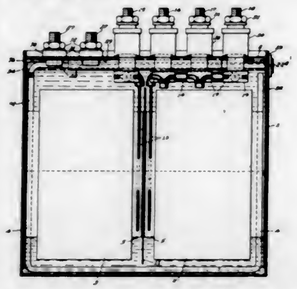
1. A threaded locking device of the kind described comprising in combination an internally threaded body element having the load-carrying thread therein, and a stamped and drawn tubular element consisting of a single piece of sheet metal and including a portion surrounding the body element, making a press fit therewith and brazed thereto, an axially extending end portion extending beyond one end of the body portion, an inturned, resilient portion extending inwardly from the end of the axially extending end portion and inturned through substantially one hundred and eighty degrees, and a portion extending axially from said inturned resilient portion and having a thread therein of like pitch as the thread of the body element and normally positioned with the thread thereof axially displaced out of phase with the thread of the body portion.

2,412,897
CIRCUIT INTERRUPTER
John B. MacNeill, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 26, 1942, Serial No. 470,161
9 Claims. (Cl. 200—150)



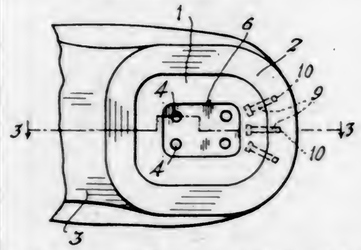
1. In a fluid circuit interrupter, means defining a substantially enclosed arc extinguishing structure having a substantially enclosed pressure-generating chamber therewithin, a relatively stationary contact, an intermediate contact separable therefrom to establish a pressure-generating arc within the pressure-generating chamber, a movable contact separable from the intermediate contact to establish an interrupting arc, a piston attached to and movable with the intermediate contact, a piston cylinder within which the piston moves and having an open passage therefrom at the time when the interrupting arc is first established to permit fluid moved by the piston to strike the interrupting arc, a venting passage open at the time when the interrupting arc is first established and leading from within the substantially enclosed arc extinguishing structure to the exterior thereof, said intermediate and movable contacts having their point of initial separation immediately adjacent to said venting passage so that the fluid flow strikes the early formed part of the interrupting arc in passing out through the venting passage, and a by-passing channel leading from the pressure-generating arc to the interrupting arc.

2,412,898
WATER-COOLED CAPACITOR
Ralph E. Marbury, Wilkinsburg, and Charles V. Fields, Chalfant Borough, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1942, Serial No. 441,010
3 Claims. (Cl. 175—41)



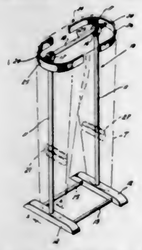
1. A high-current, high-frequency capacitor comprising a metal case having a metal top-cover, a plurality of flat capacitor-sections having section-terminals of opposite polarity extending from opposite ends of the sections, said capacitor-sections being disposed in said case with said section-terminals spaced from the walls of the case, cooling-coil means disposed inside of the case and having inlet and outlet terminals for circulating a cooling fluid therein, said cooling-coil means having a portion in good heat-interchanging relation with the low-voltage section-terminals, said cooling-coil means having a top-portion disposed under the top-cover between the capacitor-sections and said top-cover, said top-cover having a plurality of parallel-connected low-voltage capacitor-terminals and a plurality of insulated high-voltage capacitor-terminals for external capacitor-connections, internal leads connecting at least some of said capacitor-terminals to section-terminals, and a top-shield of good electrical and thermal conductivity having a wide-area portion in thermal contact with the under surface of said top-cover, and having a flange-portion in good heat-interchanging relation with the top-portion of the cooling-coil, said top-shield having openings for said high-voltage capacitor-terminals.

2,412,899
COMPOSITE SHOE HEEL
Michael Margolis, Newark, N. J.
Application August 8, 1945, Serial No. 609,563
5 Claims. (Cl. 36—36)



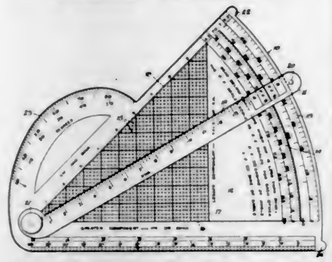
1. A heel comprising a relatively rigid body portion of generally rectangular shape with rounded corners, and an elastic rim encircling said body portion and seated by inherent tension on the edges of said body portion, whereby said rim can be rotated on said body portion perimetrally thereof, with the addition of releasably interlocking means between said body portion and said elastic rim.

2,412,900
GARMENT DISPLAY FORM
Julius Mayer, Forest Hills, N. Y.
Application December 21, 1945, Serial No. 636,418
4 Claims. (Cl. 223—72)



1. A trousers form display device comprising a stand having spaced apart legs over which the legs of trousers are adapted to be loosely fitted, a horizontal member connecting the upper ends of the legs, waist engaging form members with convex outer faces movably disposed on the ends of the cross connecting member, and spring means associated with the cross connecting member and the waist form members to press the waist form members outwardly at all times.

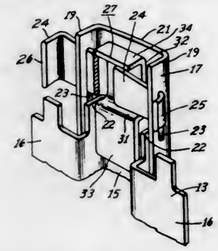
2,412,901
TRIANGLE-OCTANT
Guy W. McCoshen, Orange, N. J.
Application March 16, 1944, Serial No. 526,686
4 Claims. (Cl. 235—61)



1. A calculator consisting of an octantal base, arcuate scales arranged parallel to each other on said base, lines intersecting each other at right angles within a right angle triangular area on said base, and a radial indicator connected with said base for movement with respect to said scales and lines, said indicator having a scale thereon cooperable with and complemental to said first scales and lines.

2,412,902
ELECTRICAL APPARATUS
James W. McElvain, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1944, Serial No. 543,012
6 Claims. (Cl. 175—361)

1. In combination, a casing for containing electrical apparatus including a core structure and an end frame therefor, guide means comprising outer channel members fastened to the casing and having flanges extending inwardly from the casing wall, said apparatus having rib members provided with co-operating surfaces for engaging between the flanges of said outer channel members to guide said apparatus within the casing while it is being lowered to its final position within the casing, each of said outer channel members extending upwardly above the associated rib member of the apparatus engaging within and co-operating with the outer channel member, the



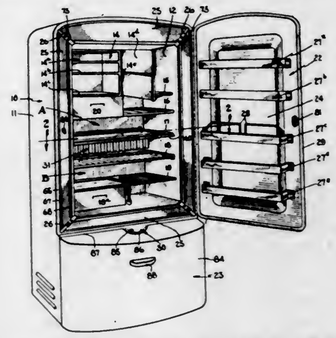
inwardly extending flanges of each of the outer channel members having openings therein at an elevation to accommodate a key member therethrough immediately above the rib member of the apparatus co-operating with the associated outer channel member, and locking means for retaining the apparatus in the casing comprising a key member removably positioned within said openings in the flange portions of the outer channel member and an adapter member extending between the key member and the top of the rib member to prevent the rib member from slipping past the key member.

2,412,903
COMPOUNDED LUBRICATING OIL
Robert J. Miller and John T. Rutherford, Berkeley, Calif., assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 1, 1944, Serial No. 520,686
10 Claims. (Cl. 252—33.6)

1. A compounded lubricant comprising a major portion of hydrocarbon lubricating oil, from about 0.1 to about 5% by weight based on the compounded lubricant of an oil-soluble alkaline earth metal phenate and from about 0.1 to 5% by weight based on the compounded lubricant of an oil-soluble zinc thiocarbamate.

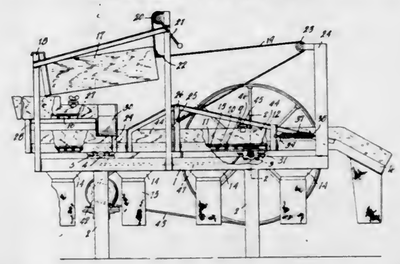
2,412,904
REFRIGERATING APPARATUS
Roland H. Money, Mount Healthy, and John W. Craig, Cincinnati, Ohio, assignors to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Original application December 10, 1941, Serial No. 422,422. Divided and this application February 26, 1944, Serial No. 524,062
7 Claims. (Cl. 62—89)

1. In a refrigerator cabinet having a food storage compartment, the combination comprising a horizontal perforate shelf within the compartment for dividing the same into respective upper and lower sections, a heat absorbing unit for the upper section and a heat absorbing unit for the lower section for respectively maintaining relatively low humidity conditions in the upper section and relatively higher humidity conditions in the lower section, a door for said food compartment, the door having a recessed portion interiorly thereof and having a plurality of storage shelves disposed within said recess, one of said door shelves being imperforate, a resilient sealing



strip disposed along the forward edge of said first mentioned horizontal perforate shelf for making a sealing engagement with an edge of said imperforate door shelf when the door is closed, and an adjustable device disposed along the rear edge of the first mentioned horizontal perforate shelf for closing the perforations thereof.

2,412,905
PERFORATE BULB-GRADING TABLE, GYRATORY MOVEMENT, WITH LATERAL IMPACT
Henry Nieuwenhuis, Kalamazoo, Mich.
Application July 20, 1945, Serial No. 606,051
7 Claims. (Cl. 209—85)



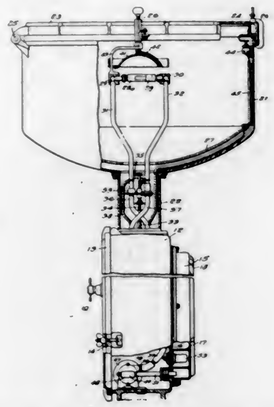
7. In a grader for irregular objects, the combination of a horizontally disposed grader bed provided with series of holes graduated longitudinally of the bed, corresponding holes of the series being longitudinally aligned, and aligning ribs disposed longitudinally of the bed between the longitudinally aligned holes, eccentric supporting means for said bed, driving means for said supporting means comprising a driving member, a driven member with which said driving member coacts, and a spring for actuating said bed in one direction at a speed exceeding the speed of the driving member, said spring being placed under stress by said driving member during a partial cycle thereof whereby power is stored in the spring actuating the bed with an accelerated movement during the remainder of the cycle of movement, said eccentric supporting means while operating said grader bed making complete successive revolutions in a single direction.

2,412,906
SAFETY RAZOR
Alex Pascoo, New York, N. Y.
Application October 11, 1944, Serial No. 558,128
2 Claims. (Cl. 30—55)



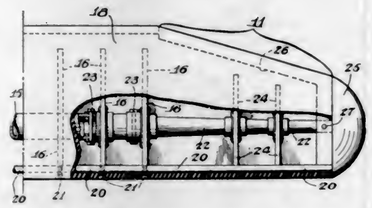
1. In a safety razor, a guard member having an elongated slot therein centrally thereof, a clamping member, a flat lug integral with the clamping member centrally thereof and freely passing through the elongated slot, said lug having a keeper slot extending inwardly from one side edge thereof, a tubular handle fixed to one end of the guard member and extending therefrom in parallel relation thereto, and a latch element slidably mounted in said handle and releasably seated in said keeper slot for clampingly securing the guard member and clamping member together.

2,412,907
CONTROL SYSTEM AND APPARATUS FOR LAMPS
Willis A. Pennow, Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 29, 1943, Serial No. 485,021
13 Claims. (Cl. 315—116)



1. In combination, a liquid-cooled lamp, means including a motor operated pump for circulating cooling liquid through the lamp, means for initiating operation of the motor-operated pump to establish a flow of cooling liquid, an energizing circuit for the lamp, means including a control switch responsive to the volume of flow of cooling liquid for controlling the said energizing circuit of the lamp, whereby the lamp is energized and de-energized in accordance with the volume of flow of cooling liquid, and temperature-responsive means operable to de-energize the control switch to de-energize the lamp in the event that the temperature of the cooling liquid exceeds a predetermined maximum value.

2,412,908
ROTOR BLADE
Haviland H. Platt, New York, N. Y., and Wynn Laurence Le Page, Ardmore, Pa., assignors to Rotary Research Corporation, Eddystone, Pa., a corporation of Pennsylvania
Application May 13, 1942, Serial No. 442,765
3 Claims. (Cl. 170—159)



1. In a rotating-wing aircraft having a lifting rotor, a rotor blade comprising a prefabricated form-retaining generally seamless elongated envelope of molded plastic having an external airfoil contour and having an outer longitudinally tapered tip, said tip being reinforced at its trailing edge and terminating in a formed tip-block, the wall of said envelope being thicker at the leading edge than at the trailing edge thereof, a spar having its inner end operatively attached to the hub of said rotor and having its outer end extending within said envelope along the untapered portion thereof, the exposed portion of said spar being faired, a tapered coaxial member extending from said spar and into the tapered tip of said envelope and having its outermost end fastened to said tip-block, and means for attaching said envelope to said spar and to said tapered member at a plurality of spaced points.

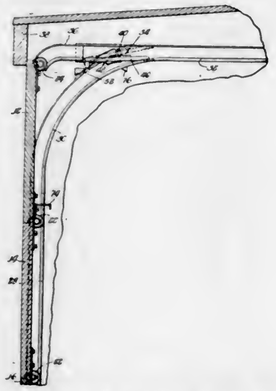
2,412,909
ORGANIC COMPOUNDS AND METHODS OF PREPARING SAME
Dwight James Potter, Allendale, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application April 24, 1942, Serial No. 440,396
15 Claims. (Cl. 260—513)

1. The process of preparing sulphinic derivatives of organic compounds which comprises treating an organic compound having an aliphatic group with a thionyl halide and a minor proportion of a halogen in the presence of actinic rays.

2,412,910
OVERHEAD DOOR CONSTRUCTION
Alvin V. Rowe, Galesburg, Ill., assignor to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois
Application October 11, 1945, Serial No. 621,781
6 Claims. (Cl. 160—201)

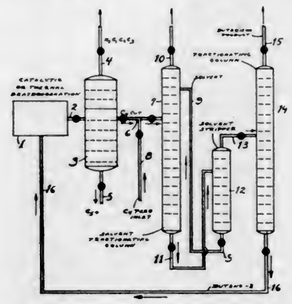
1. An overhead door construction including a door comprising a plurality of hingedly connected door sections for traversing a door opening, track follower members disposed along opposite side margins of the said door sections and positioned intermediate and at the upper and lower extremities of each side margin of the door, track structures adjacent opposite side margins of the door for accommodating said follower members in directing the door sections between vertical door-closing position and open overhead position, each track structure including an horizontal portion, a

substantially vertical portion, and an intermediate curved portion for accommodating said intermediate track followers, a further track portion extending forwardly from each of said horizontal track portions for accommodating the follower member adjacent the upper extremity of the side margin, switch means for selectively connecting



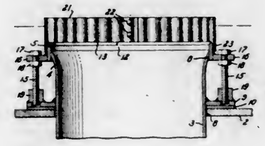
said horizontal track portion with said curved track portion and with the said further track portion, said switch means including a shiftable switch member, shiftable latch means for securing said switch member in one position, and means operable upon movement of the door for shifting said latch means to release said switch member.

2,412,911
BUTADIENE MANUFACTURE
Harold W. Scheeline, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 26, 1944, Serial No. 546,674
5 Claims. (Cl. 260—680)



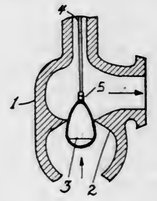
1. Improved process for the production of butadiene from a cracked petroleum fraction which comprises passing a petroleum fraction consisting substantially of butene-2 to a catalytic dehydrogenation zone to convert the butene-2 to butadiene, separating the dehydrogenated products from the catalytic dehydrogenation zone, separating from the dehydrogenated products hydrocarbons having three or less carbon atoms and five or more carbon atoms to the molecule, mixing the residual hydrocarbons having four carbon atoms to the molecule with a hydrocarbon fraction having four carbon atoms to the molecule and obtained by cracking a petroleum oil, subjecting this mixture to extraction distillation in the presence of a solvent having a preferential solvent action for butadiene and butene-2 and which solvent reduces the volatility of butadiene and butene-2 with respect to the other hydrocarbons other than butadiene and butene-2, separately distilling the solvent having a preferential action for butadiene and containing butadiene and butene-2 to separate the butadiene and butene-2, fractionally separating butadiene and butene-2 and recycling the butene-2 to the dehydrogenation unit.

2,412,912
COLLECTING ELECTRODE STRUCTURE
Walter Malcolm Schmidt and Donald K. Townsend, Los Angeles, Calif., assignors to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California
Application September 23, 1944, Serial No. 555,490
5 Claims. (Cl. 183—7)



1. A collecting electrode for use in liquid-flushed electrical precipitators comprising a vertically-extending electrode member providing a collecting surface of extended area, means providing a weir at the upper end of said electrode member and extending along the upper end of said collecting surface, means providing a liquid reservoir adjacent said weir and a corrugated curtain member extending from substantially below to substantially above the level of the weir and contacting the weir means to provide constricted passages for the flow of liquid from the reservoir to the weir.

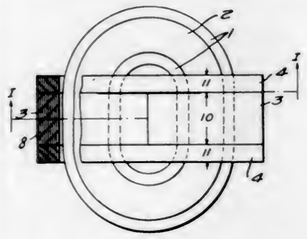
2,412,913
HIGH-TEMPERATURE VALVE
Leo W. Schrader, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 17, 1943, Serial No. 502,770
1 Claim. (Cl. 251—159)



In a conduit adapted for flow of fluid under pressure at temperatures of about 1400° F. from a high pressure side to a low pressure side and having a valve seat across the conduit, a valve extending through said seat when in seated position, the valve comprising a hollow, thin-walled plug formed of a ferrous alloy containing chrome and nickel and the wall of said plug being of a

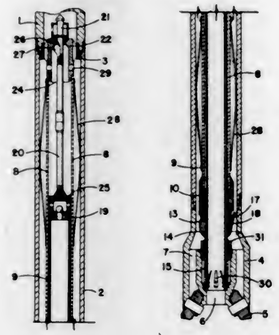
thickness adapted to resist cracking at temperatures of about 1400° F., carbon dioxide in the plug in amounts sufficient to create such internal pressure at such high temperatures as will resist deformation of the plug by the conduit pressure but insufficient to rupture the wall of the plug at such temperatures, the plug seating against the high pressure side of the valve seat whereby release of pressure on the other side permits a tighter engagement on its seat.

2,412,914
MAGNETIC CORE
John B. Seastone, Churchill Borough, and Weldon H. Brandt, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1942, Serial No. 442,058
7 Claims. (Cl. 175—356)



1. In a single phase core and coil assembly, in combination, an electrical circuit conductor forming an electrical coil having a window extending therethrough, a core of magnetic material comprising layers of magnetic material extending through the window in said coil and forming two main closed magnetic circuit loops about opposite sides of the electrical coil, said magnetic circuit loops comprising turns of magnetic sheet material wound flatwise layer upon layer, each successive layer being about the others with the inner layer outlining the opening in the core loop and the outer layer outlining the core loop, said two loops being arranged with corresponding flat faces in alignment, and two additional groups of layers of magnetic material for widening the core section exterior to the window extending along the aligned faces of the main core loops on opposite sides thereof and on the outside of the electrical coil, forming two closed magnetic circuit loops enclosing two opposite sides of the electrical coil, said two closed magnetic circuit loops having their outer peripheries remote from the coil window aligned with the outer peripheries of the adjacent portions of the first named loops, each widening core loop comprising turns of magnetic sheet material wound layer upon layer, each successive layer being about the other turns of the loop, the turns of layers of magnetic sheet material in the separate core loop parts of the magnetic circuit being in the same plane throughout the greater portion of the main core loop part that is outside of the window of the circuit conducting coil with edges of the turns of the widening core parts closely adjacent opposite edges of the turns of the main core loop part on the opposite sides thereof to provide a low reluctance area between the main and widening core loop parts to permit the flow of magnetic flux freely between the main core loop and the widening core loop parts.

2,412,915
PRESSURE CORE BARREL
Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 15, 1942, Serial No. 447,047
5 Claims. (Cl. 255—72)

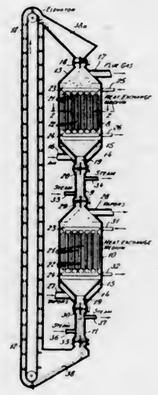


1. A pressure retaining coring assembly for bringing a core to the surface of the ground at the same pressure the core left the formation, comprising a string of drill tubing, a core barrel adapted to be lowered into and raised completely out of the string of drill tubing during normal drilling operations, a bit having a passage in the center thereof attached to the end of the drill tubing to cut the core, the core when cut passing upwardly through the passage in the bit and into the lower end of the core barrel, means on the core barrel to receive lifting means lowered within the drill tubing to lift the core barrel completely out of the drill tubing when coring is completed, a valve for closing said core barrel when the latter is lifted out of the coring position and co-acting means carried by said valve and said drill tubing for actuating said valve.

2,412,916
PROCESS FOR PREPARING PETROLEUM SULFONATES
Jere C. Showalter, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 21, 1944, Serial No. 550,395
3 Claims. (Cl. 260—504)

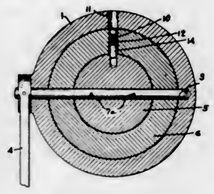
1. A method for producing a detergent suitable for use as a shampoo comprising the steps of extracting a naphthenic distillate having a viscosity in the range of 75 to 85 seconds Saybolt at 100° F. with a selective solvent under conditions to form a raffinate and an extract, contacting the extract with concentrated sulfuric acid in the range of 300 to 400 pounds of acid per barrel of extract under conditions to form a sludge layer and a sulfonated oil layer, separating the sludge layer, adding from 3% to 5% of water to the sulfonated oil layer and settling to produce an oil layer and a sulfonic acid layer, withdrawing the sulfonic acid layer and contacting it with a solution of an alkali metal hydroxide to form a soap, mixing the soap with isopropyl alcohol, extracting the mixture with a light hydrocarbon, distilling the extracted soap to remove alcohol and light hydrocarbon therefrom and settling to form a layer of water-insoluble soap and a layer of water-soluble soap and removing the water-soluble soap as product.

2,412,917
METHOD FOR CATALYTIC CONVERSION
Thomas P. Simpson, John W. Payne, and John A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application September 19, 1942, Serial No. 458,926
14 Claims. (Cl. 196—52)



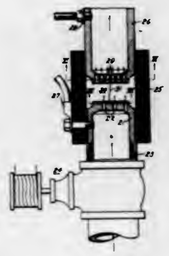
1. The method of converting a hydrocarbon oil which comprises passing the oil in vapor phase and at conversion temperature into contact with a substantially compact downwardly moving mass of particle-form, clay-type, solid catalytic material in which conversion is effected, the vapors being introduced thereto at a flow rate not in excess of sufficient to produce about seven to ten inches of water pressure drop per foot of vapor path through said mass, effecting substantially complete separation of hydrocarbons from said mass, transferring contaminated contact mass to a regeneration zone and moving it therethrough as a substantially compact moving mass, supplying oxygen containing gas thereto to burn contaminant therefrom and removing heat sufficient to prevent the temperature of regenerating contact mass from rising above that which will damage the contact mass, and returning the regenerated contact mass in heated condition to the conversion zone.

2,412,918
BUTTERFLY VALVE
Charles E. Sladky, Parma Heights, Ohio, assignor to The North American Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 20, 1944, Serial No. 564,258
13 Claims. (Cl. 251—11)



2. Butterfly valve mechanism, comprising a tubular body member having a cross shaft rotatably mounted therein, and a plurality of generally circular flat valve members mounted upon said shaft in coaxial and coplanar relation, the inner member being of disc form and fixedly secured to the shaft, and means operatable from the outside of the body member for securing an outer valve member either immovably to the body member or to the disc member for rotation therewith.

2,412,919
CIRCUIT INTERRUPTER
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1943, Serial No. 480,733
10 Claims. (Cl. 200—148)



1. In a circuit interrupter, a pair of relatively movable electrodes between which an arc is established, means forming an annular arcing passage disposed between the electrodes, an annular arcing member disposed at each end of said arcing passage and between which said arc is adapted to be moved relatively unimpeded and unrestricted, said arcing members having a plurality of gas conducting apertures formed therein, and means forcing gas under pressure at high velocity unidirectionally through said apertures and said arcing passage to create a highly turbulent atmosphere therein for extinguishing the arc.

2,412,920
CELLULOSE DERIVATIVE COMPOSITION
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application September 19, 1942, Serial No. 458,996
12 Claims. (Cl. 106—191)

1. A new composition of matter comprising a cellulosic derivative selected from the group of cellulose ethers and cellulose esters consisting of cellulose formate, cellulose acetate, cellulose propionate, cellulose butyrate, cellulose benzoate, cellulose acetopropionate, cellulose acetobutyrate, cellulose propionate butyrate, cellulose nitrate, methyl cellulose, ethyl cellulose, benzyl cellulose, methyl ethyl cellulose, ethyl cellulose acetate, and hydroxy propyl cellulose triacetate, and as a plasticizer for said cellulosic derivative a substantially pitch-free hydrocarbon oil boiling above 210° C., said hydrocarbon oil having an aromatic hydrocarbon content of at least 95%, a density of at least 0.95, and having been physically separated from tar produced in the vapor phase pyrolysis at average temperatures above 1300° F. of petroleum oil in the production of combustible gas.

2,412,921

INSOLUBLE HETEROPOLYMER OF A MONOOLEFIN AND AN UNSATURATED ETHER

William J. Sparks, Cranford, and Robert M. Thomas, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 9, 1943, Serial No. 494,020
8 Claims. (Cl. 260—86)

1. A heteropolymer comprising in combination 50 to 98 parts by weight of an olefin having 3 to 5 carbon atoms and one ethylenic double bond per molecule with 2 to 50 parts by weight of an ether having 4 to 8 carbon atoms and two isolated ethylenic double bonds per molecule, the ether having an oxygen link between hydrocarbon groups containing each of the two isolated ethylenic double bonds.

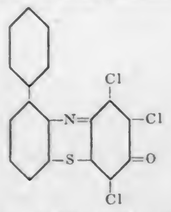
2,412,922

SULPHUR DYESTUFFS

Norbert Steiger, Lock Haven, Pa., assignor to American Aniline Products, Inc., New York, N. Y., a corporation of New York

No Drawing. Application February 8, 1944, Serial No. 521,571
6 Claims. (Cl. 260—128)

1. A sulphur dye resulting from the thionation of 5 phenyl 1.3.4.trichlorophenthiazone 2 corresponding to the following formula:



by acting with an alkali metal polysulphide on said compound at the boil; said dye being a water insoluble thionated compound which is soluble in dilute aqueous sodium sulphide solution and which dyes vegetable fibers from an aqueous sodium sulphide solution in shades that develop in air to a brown.

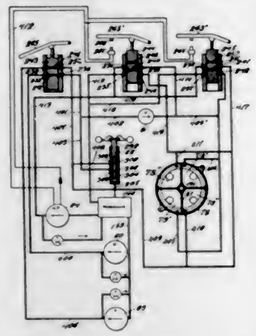
2,412,923

VARIABLE PITCH PROPELLER

Robert Stevenson, Providence, R. I., assignor to Stevenson Engineering Corporation, a corporation of Rhode Island

Application September 6, 1940, Serial No. 355,626
5 Claims. (Cl. 170—163)

4. A variable pitch propeller mechanism in combination with a propeller hub having a plurality of propeller blades each rotatably anchored to said hub for angular movement about their respective axes, of means for biasing each of said blades about its own axis comprising a cylinder having a piston therein with fluid on opposite sides thereof and actuated by the difference in pressure of the fluid on said piston, two conduits through which fluid flows to said cylinder, a plurality of pumps each supplying fluid under pressure to said cylinder, one to one side of said piston and another to the other side of said piston, a single manually operable valve for controlling the flow of fluid from said pumps, two by-pass conduits one from one of said conduits and the other in by-pass relation to the other of said conduits, a governor actuated valve through which each of said by-pass conduits extend, an additional pump, a plurality of manually operable valves, conduits extending from said pumps to said valves, conduits from each of said valves to



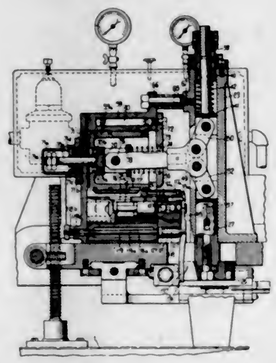
either side of said piston, and means actuated by the opening of either of said valves for actuating said additional pump to force fluid under pressure through said conduits to a selected side of said piston.

2,412,924

APPARATUS FOR SEALING CONTAINERS

Harry E. Stover, Leonia, N. J., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Original application August 2, 1940, Serial No. 349,655. Divided and this application April 17, 1943, Serial No. 483,444
1 Claim. (Cl. 226—80)



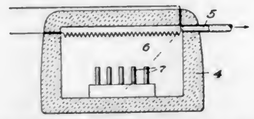
Apparatus of the type described for sealing containers, comprising a support for a container, a sealing member associated with said support, a fluid-actuated unit for moving said sealing member, a valve for controlling the supply of fluid to said fluid-actuated unit, a second valve for controlling the operation of said last-named valve, a control member for actuating said second valve, said control member being so disposed that it will be engaged by a cap on a container positioned on said support to move said second valve into operative position, and means for returning said second valve and said control member to their original positions, said means comprising a fluid-actuated unit, said last-named unit being mechanically connected to said control member.

2,412,925

PRODUCTION OF FUSED ARTICLES

Semon H. Stupakoff, Latrobe, Pa., assignor to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa., a corporation of Pennsylvania

Application September 14, 1942, Serial No. 458,253
4 Claims. (Cl. 49—77)



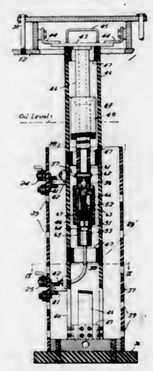
3. The method of forming a mass of fused refractory oxide which comprises charging finely divided oxide into a metal mold, heating the mass to a temperature where the oxide melts and fuses in an atmosphere which is inert to the metal mold and below the melting temperature of the metal mold, and after the fused mass has congealed, again heating the mass in an oxidizing atmosphere to destroy the mold but to a temperature below the melting point of the mass.

2,412,926

HIGH VOLTAGE PROTECTIVE LINK

Elvin A. Thompson, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1942, Serial No. 456,210
6 Claims. (Cl. 200—120)



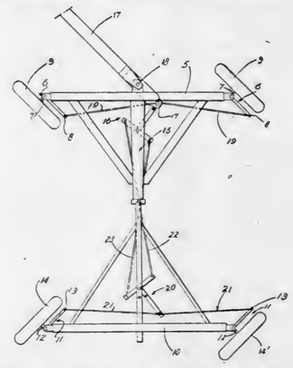
1. In an electrical apparatus including a casing having a liquid insulating medium therein, a cover provided with an opening therein, insulating bushings mounted on and extending through the cover of the casing through which extend leads connecting the apparatus to line circuit conductors, a protective device for the electrical apparatus positioned within the casing and mounted below the opening in the casing cover, said protective device including a base portion and a tubular barrier wall member extending upwardly therefrom and provided with openings therein to permit the flow of the liquid insulating medium within the barrier wall, and guide members extending inwardly from the barrier wall to guide the removable portion against rotation while permitting vertical movement thereof, a pair of fixed contact members mounted on the barrier wall, one connected to the inner end of a circuit conductor supplying energy to the apparatus and one connected to the apparatus, and means for supporting said fixed contact members beneath the normal top level of the liquid dielectric, and a removable portion containing a fusible conductor, said removable portion being insertable and removable through the opening in the apparatus cover and having slidable contact members adapted for engaging the fixed contact members for connecting the fusible conductor between the bushing terminal and the apparatus terminal and positioning the fusible conductor below the top level of the liquid dielectric.

2,412,927

WHEEL STEERING MEANS FOR WAGONS AND THE LIKE

Richard N. Thorn, West Concord, Minn.

Application January 8, 1945, Serial No. 571,883
3 Claims. (Cl. 280—33.55)



1. A vehicle frame structure of the class described including a front axle, a rear axle, a reach pole at right angles to and rigidly connected at opposite front and rear ends to central portions of said axles, steering knuckles mounted on the respective outer ends of said front and rear axles, each steering knuckle embodying a stub-axle and motion transmitting pitman arm, four ground engaging wheels, said wheels being individually mounted on the respective stub-axles provided therefor, a tongue pivotally mounted at its inner end on the forward end of said reach pole, front and rear T-actuators pivotally mounted on said reach pole at points inwardly of said axles, crossed rods connecting said T-actuators for simultaneous operation, forward and rear pairs of rigid push-pull links connecting the pitman arms of the front and rear steering knuckles with companion front and rear T-actuators, an operating connection between the pivoted end of said tongue and the adjacent front T-actuator.

2,412,928

PRODUCTION OF ACETO-ACETIC ESTERS AND THEIR HOMOLOGUES

Karl Heinrich Walter Tuerck, Banstead, and Hans Joachim Lichtenstein, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company

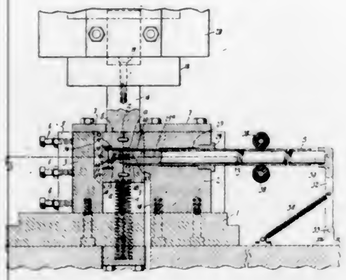
No Drawing. Application November 13, 1944, Serial No. 563,308. In Great Britain November 19, 1943
18 Claims. (Cl. 260—483)

1. A process for the manufacture of alkyl esters of aceto-acetic acid which comprises passing the vapours of a beta-hydroxybutyric ester of a saturated aliphatic alcohol containing not more than four carbon atoms, over a dehydrogenating catalyst at a temperature between 200° and 400° C.

2,412,929
LUBRICANT
Leonard G. Vande Bogart and Robert W. Manuel, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application May 18, 1942, Serial No. 443,499
5 Claims. (Cl. 252—28)

1. A grease-like lubricant comprising 5 to 45% castor oil and 5 to 45% petroleum oil, the said oils being in such proportions and character that they are not mutually soluble, bentonite clay, and a non-aqueous and soap free liquid stabilizing agent consisting of the lower alkyl phosphate group such as triethyl and tributyl phosphate, the amount of the oils present being greater than that represented by the oil-absorption value of the bentonite clay, the amount of the said liquid stabilizing agent being sufficient to prevent a separation of the bentonite clay and the said oils into two distinct solid and liquid phases.

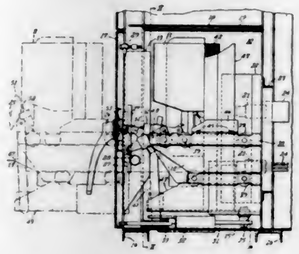
2,412,930
MACHINE FOR MAKING RIFLING RINGS OR THE LIKE
Mercer D. Walklet, Akron, Ohio, assignor to The Hamlin Metal Products Company, Akron, Ohio, a corporation of Ohio
Application May 4, 1942, Serial No. 441,734
11 Claims. (Cl. 164—48)



2. In an apparatus for shearing rings from tubular metal stock, a die block comprising two sections spaced apart to provide a channel, a die fitting in the channel between the sections and bearing against the opposing walls thereof, means for moving one of the die block sections relative to the other die block section to take up wear between the faces of the die and the die block sections, a passage for the stock through one of the die block sections, a recess in the die in register with the passage in one position of the die, an ejector housed within the die, means to move the die in the channel, and coacting formations on the ejector and a die block section to actuate the ejector when the die is moved.

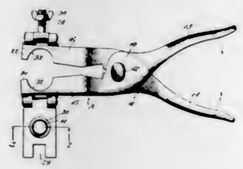
2,412,931
SWITCHGEAR APPARATUS
Charles P. West, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 15, 1943, Serial No. 514,377
10 Claims. (Cl. 200—50)

1. In switchgear apparatus, the combination with a cell and an apparatus unit removably disposed therein, of a track disposed in the cell, a truck carriage mounted on the track for supporting said unit, a rotatable arm having a pivotal axis for driving said carriage into and out of the cell, said arm being in engagement with said



carriage throughout its entire range of travel, and means for operating said arm about its pivotal axis in a horizontal plane through an angle of substantially 180 degrees.

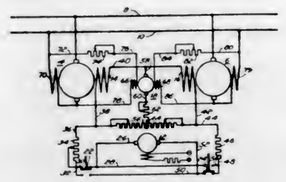
2,412,932
BATTERY SERVICING
John J. Williams, Bridgeport, Conn.
Application April 18, 1944, Serial No. 531,676
3 Claims. (Cl. 29—246)



1. A tool for removing a surrounding member from a post comprising a pair of levers pivotally connected together; jaws on the levers so constructed to engage the sides of the surrounding member with the jaws swinging in a plane at right angles to the post; a bridging member lying in a plane parallel to said first plane, connected to one jaw, extending across the opening of the jaws and across the top of the post and connected to the other jaw; a post-engaging member movably mounted on said bridging member for movement axially of the post and the opening of said jaws; and means for moving said post-engaging member relative to said levers to force the post from the surrounding member.

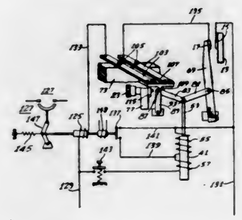
2,412,933
CONTROL SYSTEM
Ralph H. Wright, Edgewood, and Earl C. Watson, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 3, 1943, Serial No. 474,500
14 Claims. (Cl. 171—223)

1. In a control system for a plurality of dynamo-electric machines, means connecting the field windings of the machines to a source of power in series circuit relation, a resistor connected in shunt circuit relation to the part of the series circuit which includes the field windings, an auxiliary generator, circuit means connecting the auxiliary generator between a point



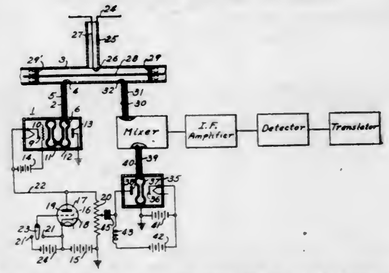
in the series circuit between the field windings and a point on the resistor intermediate its ends, and means for exciting the auxiliary generator in accordance with the variation from a predetermined ratio of the loads of the machines.

2,412,934
CONTROL APPARATUS
Ernest K. Read, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 12, 1942, Serial No. 468,761
17 Claims. (Cl. 175—294)



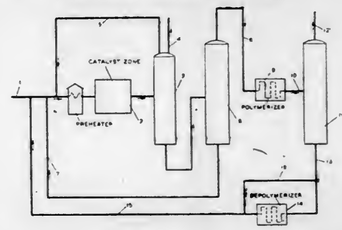
1. In an electrical apparatus, the combination of a circuit interrupter having closing means, a relay for controlling the energization of said circuit interrupter closing means including relatively movable relay contacts, an operating toggle operatively associated with said contacts, a pair of electromagnets having an armature for actuating said toggle to close said relay contacts, a control circuit, said electromagnets being connected to be energized by said control circuit, one of said electromagnets having a greater attractive force than the other, means operated by the closing of the circuit interrupter to deenergize said one electromagnet and permit the other of said electromagnets to attract and restrain the armature in inoperative position, and a thermal element releasably restraining said toggle in operative position, said thermal element being heated in response to the current in the control circuit and operable to release said toggle to thereby cause opening of said relay contacts and deenergization of said closing means irrespective of the energized condition of said electromagnets.

2,412,935
SYSTEM FOR CONTROL OF RECEIVER RECEPTION BY AN ASSOCIATED TRANSMITTER
David R. Tashjian, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1943, Serial No. 488,328
6 Claims. (Cl. 250—13)



1. In a high frequency system, a high frequency transmitter, a receiver responsive under normal operation to energy at substantially the operating frequency of said transmitter and susceptible to be adversely affected thereby, said receiver including a local oscillator, means for preventing the adverse effect upon said receiver during operation of said transmitter comprising means for changing the frequency of said local oscillator automatically upon operation of said transmitter.

2,412,936
PRODUCTION OF CYCLOPENTENE
Harold J. Hepp, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 13, 1944, Serial No. 540,070
6 Claims. (Cl. 260—666)

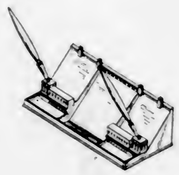


6. A process for the production of cyclopentene by the catalytic dehydrogenation of cyclopentane which comprises passing a mixture of cyclopentane and hydrogen containing at least approximately 25 and less than approximately 80 mol per cent cyclopentane into contact with a dehydrogenation catalyst at conversion conditions of temperature and pressure for a sufficient contact period to convert at least 20 per cent of the cyclopentane to unsaturated cyclic hydrocarbons containing a five-carbon-atom ring, the major portion of which is cyclopentene.

DESIGNS

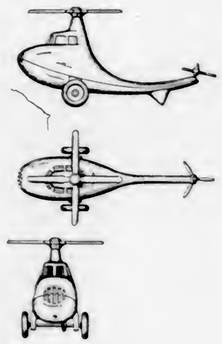
DECEMBER 17, 1946

146,064
DESIGN FOR A DESK WRITING UNIT
Harry K. Adams, Spokane, Wash.
Application October 17, 1945, Serial No. 122,935
Term of patent 14 years
(Cl. D74—1)



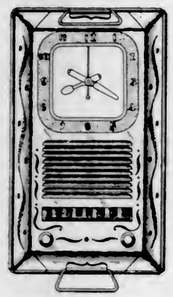
The ornamental design for a desk writing unit, as shown and described.

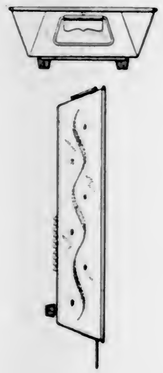
146,065
DESIGN FOR A TOY HELICOPTER
Edmund W. Baggott, Brooklyn, N. Y., assignor to Ideal Novelty & Toy Co., Long Island City, N. Y., a corporation of New York
Application February 25, 1946, Serial No. 126,872
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy helicopter, substantially as shown.

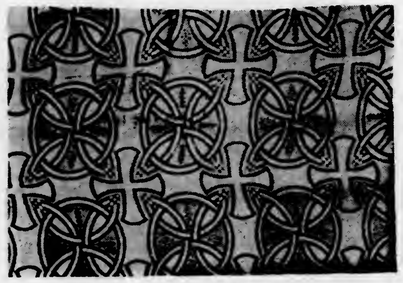
146,066
DESIGN FOR A COMBINATION CLOCK AND RADIO
James F. Barnes, Chicago, Ill., assignor to Barnes & Reinecke, Chicago, Ill., a copartnership
Application February 11, 1946, Serial No. 126,432
Term of patent 7 years
(Cl. D56—4)





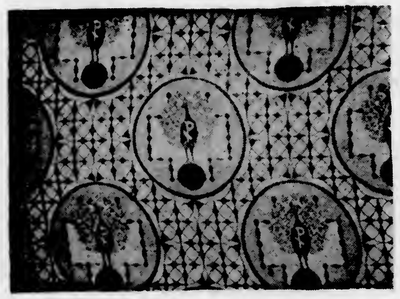
The ornamental design for a combination clock and radio, as shown.

146,067
DESIGN FOR A LITURGICAL FABRIC OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 20, 1946, Serial No. 131,766
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a liturgical fabric or similar article, substantially as shown.

146,068
DESIGN FOR A LITURGICAL FABRIC OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 20, 1946, Serial No. 131,767
Term of patent 7 years
(Cl. D92—1)



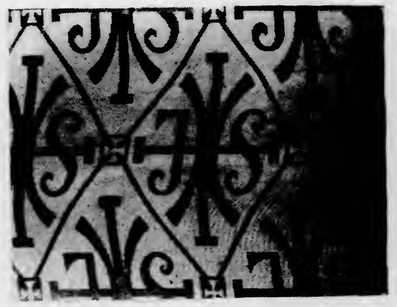
The ornamental design for a liturgical fabric or similar article, substantially as shown.

146,069
DESIGN FOR A LITURGICAL FABRIC OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 20, 1946, Serial No. 131,768
Term of patent 7 years
(Cl. D92—1)



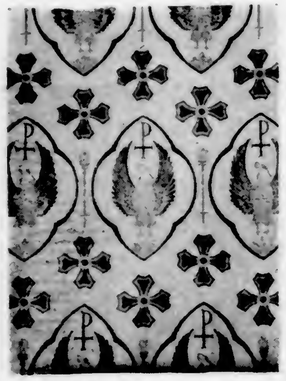
The ornamental design for a liturgical fabric or similar article, substantially as shown.

146,070
DESIGN FOR A LITURGICAL FABRIC OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 20, 1946, Serial No. 131,770
Term of patent 7 years
(Cl. D92—1)



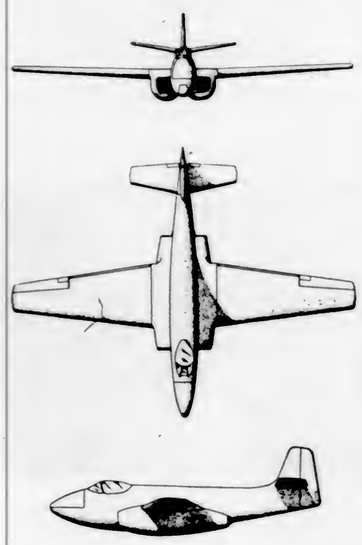
The ornamental design for a liturgical fabric or similar article, substantially as shown.

146,071
DESIGN FOR A LITURGICAL FABRIC OR SIMILAR ARTICLE
Apollinaris Baumgartner, New York, N. Y.
Application July 31, 1946, Serial No. 132,117
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a liturgical fabric or similar article, substantially as shown.

146,072
DESIGN FOR AN AIRPLANE
Herbert L. Bowers, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application March 14, 1945, Serial No. 118,485
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown and described.

146,073
DESIGN FOR A COOKY
Jasper B. Carr, Trucksville, Pa., assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa., a corporation of Pennsylvania
Application January 9, 1946, Serial No. 125,367
Term of patent 7 years
(Cl. D8—1)



The ornamental design for a cooky, substantially as shown and described.

146,074
DESIGN FOR A COOKY
Jasper B. Carr, Trucksville, Pa., assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa., a corporation of Pennsylvania
Application January 9, 1946, Serial No. 125,368
Term of patent 7 years
(Cl. D8—1)



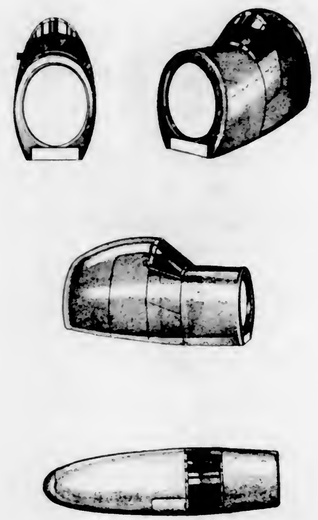
The ornamental design for a cooky, substantially as shown and described.

146,075
DESIGN FOR A COOKY
Jasper B. Carr, Trucksville, Pa., assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa., a corporation of Pennsylvania
Application January 9, 1946, Serial No. 125,369
Term of patent 7 years
(Cl. D8—1)



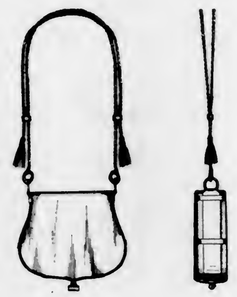
The ornamental design for a cooky, substantially as shown and described.

146,076
DESIGN FOR A FLIGHT TRAINER HOOD
Richard C. Dehmel, Summit, N. J.
Application October 18, 1945, Serial No. 122,964
Term of patent 14 years
(Cl. D71—1)



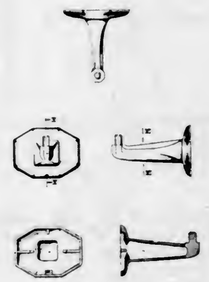
The ornamental design for a flight trainer hood, substantially as shown.

146,077
DESIGN FOR A HANDBAG
Ella A. Farley, New York, N. Y.
Application June 26, 1946, Serial No. 131,026
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

146,078
DESIGN FOR A WALL BRACKET
James Gerity, Jr., Adrian, Mich., assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich., a corporation of Michigan
Application June 2, 1945, Serial No. 119,855
Term of patent 14 years
(Cl. D33—3)



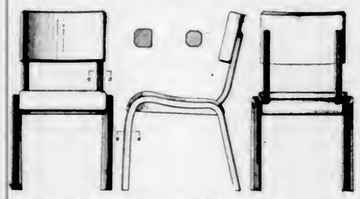
The ornamental design for a wall bracket, substantially as shown.

146,079
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application July 23, 1946, Serial No. 131,832
Term of patent 7 years
(Cl. D3—26)



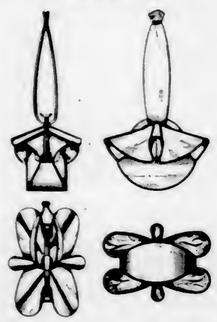
The ornamental design for a dress, substantially as shown.

146,080
DESIGN FOR A CHAIR
Lurelle Guild, Darien, Conn., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application November 13, 1945, Serial No. 123,683
Term of patent 14 years
(Cl. D15—1)



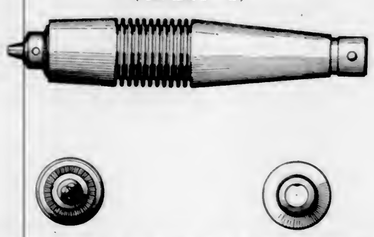
The ornamental design for a chair, substantially as shown.

146,081
DESIGN FOR A HANDBAG
Frank X. Hiltenbrand, Weehawken, N. J., assignor to Harry Rosenfeld Co., New York, N. Y., a partnership composed of Milton S. Graber and Frank X. Hiltenbrand
Application June 10, 1946, Serial No. 130,572
Term of patent 3½ years
(Cl. D87—3)



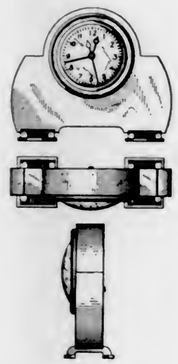
The ornamental design for a handbag, substantially as shown.

146,082
DESIGN FOR A DENTAL APPARATUS HAND-PIECE OR THE LIKE
Adolph Hunau, Los Angeles, Calif.
Application January 12, 1946, Serial No. 125,525
Term of patent 7 years
(Cl. D24—1)



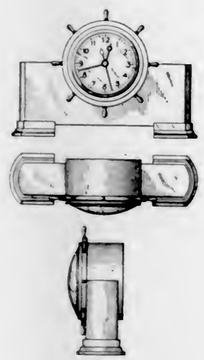
The ornamental design for a dental apparatus hand-piece or the like, substantially as shown.

146,083
DESIGN FOR A CLOCK
Ben Lerman, Chicago, Ill.
Application September 27, 1946, Serial No. 133,614
Term of patent 7 years
(Cl. D42—7)



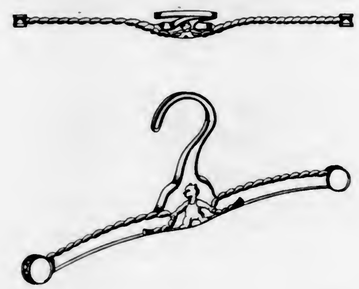
The ornamental design for a clock, substantially as shown.

146,084
DESIGN FOR A CLOCK
Ben Lerman, Chicago, Ill.
Application September 27, 1946, Serial No. 133,615
Term of patent 7 years
(Cl. D42—7)



The ornamental design for a clock, substantially as shown.

146,085
DESIGN FOR A GARMENT HANGER
Leon Levin, New York, N. Y.
Application December 22, 1945, Serial No. 124,986
Term of patent 7 years
(Cl. D80—8)



The ornamental design for a garment hanger, substantially as shown.

146,086
DESIGN FOR A DISPLAY PACKAGE FOR CURTAINS
Robert S. MacCallum, New York, N. Y.
Application January 17, 1946, Serial No. 125,659
Term of patent 7 years
(Cl. D80—5)



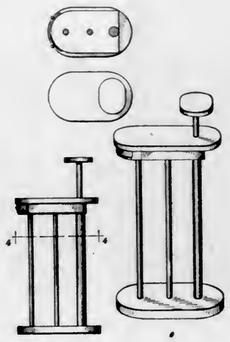
The ornamental design for a display package for curtains, substantially as shown and described.

146,087
DESIGN FOR A DISPLAY STAND OR SIMILAR ARTICLE
Batrisha Matuzoff, Hollywood, Calif.
Application October 17, 1945, Serial No. 122,930
Term of patent 14 years
(Cl. D80—9)



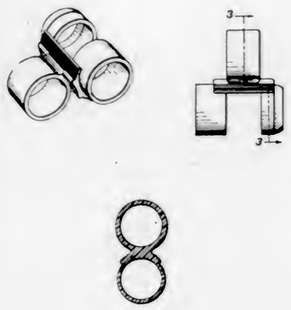
The ornamental design for a display stand or similar article, as shown.

146,088
DESIGN FOR A SERVING STAND
Jack D. Renard, Seattle, Wash.
Application October 24, 1945, Serial No. 123,153
Term of patent 7 years
(Cl. D33—14)



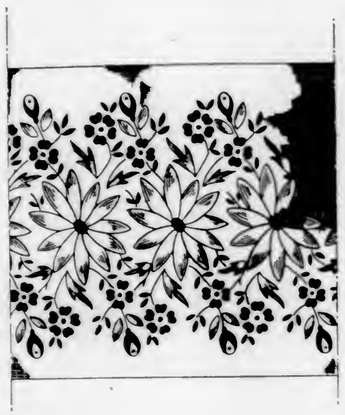
The ornamental design for a serving stand, as shown.

146,089
DESIGN FOR A CARTRIDGE BELT LINK
Archie W. Roe, Rock Island, Ill.
Application September 26, 1945, Serial No. 122,350
Term of patent 3½ years
(Cl. D30—1)



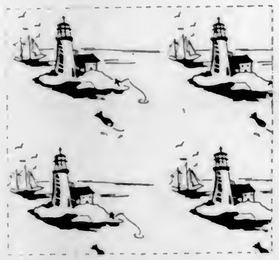
The ornamental design for a cartridge belt link, as shown and described.

146,090
DESIGN FOR AN EMBROIDERED FABRIC
Anton Walter, New York, N. Y.
Application August 24, 1946, Serial No. 132,829
Term of patent 7 years
(Cl. D92—1)



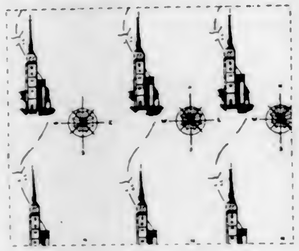
The ornamental design for an embroidered fabric, substantially as shown and described.

146,091
DESIGN FOR A TEXTILE FABRIC
Murray White, Boston, Mass.
Application August 7, 1946, Serial No. 132,330
Term of patent 7 years
(Cl. D92—1)



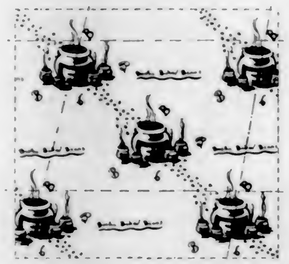
The ornamental design for a textile fabric, substantially as shown.

146,092
DESIGN FOR A TEXTILE FABRIC
Murray White, Boston, Mass.
Application August 7, 1946, Serial No. 132,332
Term of patent 7 years
(Cl. D92—1)



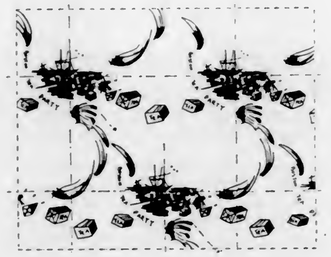
The ornamental design for a textile fabric, substantially as shown.

146,093
DESIGN FOR A TEXTILE FABRIC
Murray White, Boston, Mass.
Application August 7, 1946, Serial No. 132,334
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,094
DESIGN FOR A TEXTILE FABRIC
Murray White, Boston, Mass.
Application August 10, 1946, Serial No. 132,335
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

146,095
DESIGN FOR A SWEATER
Berté A. Wiechmann, Portland, Oreg., assignor to Jantzen Knitting Mills, a corporation of Oregon
Application March 16, 1946, Serial No. 127,597
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aireon Manufacturing Corporation, Kansas City, Kans. Electrical apparatus; and parts of such apparatus. Serial No. 490,047; Dec. 17. Class 21.

Airstep Pad Co.: *See*—
Lee, Mary.

Akron Manufacturing Company, Chicago, Ill. Fountain pens. Serial No. 499,308; Dec. 17. Class 37.

American Cord & Webbing Co., Inc., New York, N. Y. Webbings, tapes, and narrow fabrics. Serial No. 499,602; Dec. 17. Class 40.

American Glossite Co., Inc., Putnam, Conn. Hat braids—straw and synthetic. Serial No. 499,603; Dec. 17. Class 40.

American Measuring Instruments Corp., New York, N. Y. Cameras, optical instruments, projectors, etc. Serial No. 496,533; Dec. 17. Class 26.

Amory Permanent Mold Co., Inc., Jamaica Plain, Mass. Aluminum, steel, iron, and brass castings. Serial No. 497,691; Dec. 17. Class 14.

Amusement Enterprises, Inc., New York, N. Y. Coin-controlled amusement apparatus. Serial No. 506,082; Dec. 17. Class 22.

Aptaker, Simon, Atlanta, Ga. Lead pencils. Serial Nos. 502,482–4; Dec. 17. Class 37.

Aquatogs, Inc., New York, N. Y. Raincoats, rain hats, and rain capes. Serial No. 502,934; Dec. 17. Class 39.

Archer-Taylor Drug Co., Wichita, Kans. Greaseless base ointments. Serial No. 488,723; Dec. 17. Class 6.

Armstrong Chemical Company: *See*—
Armstrong, William L.

Armstrong, William L., doing business as Armstrong Chemical Company, Fremont, Nebr. Fluids for embalming and for disinfecting the dead human body. Serial No. 497,361; Dec. 17. Class 6.

Aro Equipment Corporation, The, Bryan, Ohio. Automotive and industrial lubricating equipment. Serial No. 500,932; Dec. 17. Class 23.

Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys', and children's bathing suits; trunks; knitted outerwear. Serial No. 499,466; Dec. 17. Class 39.

Associated Lace Corporation, New York, N. Y. Non-adhesive textile tapes, and passementerie. Serial No. 499,939; Dec. 17. Class 40.

Atlas-Ansonia Company, The, North Haven, Conn. Key blanks. Serial No. 502,181; Dec. 17. Class 25.

Avon Products, Inc., New York, N. Y. Men's cosmetic products and toiletries. Serial No. 500,272; Dec. 17. Class 6.

Bacharach Industrial Instrument Company, Pittsburgh, Pa. Small temperature recording instruments. Serial No. 501,627; Dec. 17. Class 26.

Baker, George, New York, N. Y. Cartoons and comic strips. Serial No. 493,725; Dec. 17. Class 38.

Baker, Jack, Sportswear Co. Inc., New York, N. Y. Ladies' suits, jackets, and skirts. Serial No. 502,056; Dec. 17. Class 39.

Barbara Dance Frocks: *See*—
Citron, Samuel.

Bean, Calvin, doing business as Ideal Shirt Company, Sykesville, Pa. Men's and children's work shirts, sport shirts, wool shirts, etc. Serial Nos. 489,711–12; Dec. 17. Class 39.

Becker, Rodger F., doing business as Mercator Manufacturing Company, Kalamazoo, Mich. Flashlights. Serial No. 487,299; Dec. 17. Class 21.

Bemis Bro. Bag Company, St. Louis, Mo. Coated fabrics and tubing. Serial No. 490,993; Dec. 17. Class 42.

Bixler Corporation, The, Cleveland, Ohio. Siphon jiggers. Serial No. 501,359; Dec. 17. Class 23.

Blue Magic, Inc., Ardmore, Pa. Liquid starch. Serial No. 501,630; Dec. 17. Class 6.

Bomber Bait Co., Gainesville, Tex. Artificial fish lures. Serial No. 507,882; Dec. 17. Class 22.

Braverman Company, New York, N. Y. Ladies', misses', and girls' slips, night gowns, brassières, etc. Serial No. 499,941; Dec. 17. Class 39.

Brooks, Al R., Los Angeles, Calif. Crutches. Serial No. 508,026; Dec. 17. Class 44.

Browne, Stewart R., Mfg. Co. Inc., New York, N. Y. Flashlight cases, extension lights, plugs, and sockets. Serial No. 501,307; Dec. 17. Class 21.

Cannon Shoe Company, Baltimore, Md. Shoes. Serial Nos. 498,883–4; Dec. 17. Class 39.

Carolina Industrial Plastics Corporation, Mount Airy, N. C. Plastic coated cordage. Serial No. 505,333; Dec. 17. Class 7.

Carwood Manufacturing Company, Winder, Ga. Men's and boys' work pants, work shirts, overalls, etc. Serial No. 500,857; Dec. 17. Class 39.

Casa Rosa de Oro: *See*—
Reed, Gertrude S.

Chisholm, Mary, Manchester, Ky. Ointment for treatment of eczema and other skin ailments. Serial No. 490,792; Dec. 17. Class 6.

Citron, Samuel, doing business as Barbara Dance Frocks, New York, N. Y. Misses' and junior misses' dance frocks. Serial No. 502,120; Dec. 17. Class 39.

Cocanower, Clair D., Phoenix, Ariz. Playing cards. Serial No. 506,566; Dec. 17. Class 22.

Commercial Solvents Corporation, New York, N. Y. Ingredients or supplements of foods. Serial No. 487,168; Dec. 17. Class 6.

Consolidated Cosmetics, Chicago, Ill. Perfume, toilet water, lipstick, and face powder. Serial No. 482,468; Dec. 17. Class 6.

Coralite Dental Products Company, Chicago, Ill. Dental materials. Serial No. 511,599; Dec. 17. Class 44.

Cotton Club Frocks Inc., New York, N. Y. Ladies' and misses' dresses. Serial No. 494,158; Dec. 17. Class 39.

Crown Cordial Company, Detroit, Mich. Alcoholic beverages. Serial No. 482,565; Dec. 17. Class 49.

Crown Manufacturing Company, Inc., San Francisco, Calif. Men's, women's, and children's shirts, undershirts, pajamas, etc. Serial No. 474,272; Dec. 17. Class 39.

Crystal Juniors, Inc., New York, N. Y. Dresses. Serial No. 490,875; Dec. 17. Class 39.

Damschinsky, Carl, Inc., Woodside, Long Island, N. Y. Hair dyes. Serial No. 501,052; Dec. 17. Class 6.

Delaney, Frank A., New York, N. Y. Linen piece goods. Serial No. 483,568; Dec. 17. Class 42.

Deneau, Harry J., Monterey Park, Calif. Wheeled canes for the blind. Serial No. 487,999; Dec. 17. Class 41.

Deprez, Jean, Paris, France. Perfumes and rouges. Serial No. 494,039; Dec. 17. Class 6.

Desert Seed Co., El Centro, Calif. Garden and field seed. Serial No. 480,012; Dec. 17. Class 1.

Deutschmann, Tobe, Corporation, Canton, Mass. Electrical capacitors. Serial No. 492,551; Dec. 17. Class 21.

Diack, James A., doing business as Gaylee Hosiery Co., New York, N. Y. Hosiery. Serial No. 503,503; Dec. 17. Class 39.

Dilworth Hosiery Mills, Inc., Charlotte, N. C. Infants' and children's hose. Serial No. 503,713; Dec. 17. Class 39.

Di-Noc Company, The, Cleveland, Ohio. Translucent drafting material. Serial No. 501,503; Dec. 17. Class 26.

Dixie Medicine Corporation, Charlotte, N. C. Compound for the relief of muscular aches and pains, etc. Serial No. 481,616; Dec. 17. Class 6.

Dobeckmun Company, The, Cleveland, Ohio. Bags of Cellophane, paper, or other sheet materials. Serial No. 508,580; Dec. 17. Class 2.

Douglas, H. A., M'f'g. Co., Bronson, Mich. Electric connectors, electric terminals, electric connecting plugs, etc. Serial No. 486,987; Dec. 17. Class 21.

Doura, Michel A., S. A. Comercial e Industrial, Buenos Aires, Argentina. Stockings and socks. Serial No. 493,748; Dec. 17. Class 39.

Duro-Test Corporation, North Bergen, N. J., and elsewhere. Fluorescent lamps and fluorescent lamp fixtures. Serial No. 500,971; Dec. 17. Class 21.

Dynamic Razor Blade Company: *See*—
Segelman, Jacob P.

Efengee Electrical Supply Company, Chicago, Ill. Hand manipulable electrically driven drills. Serial No. 501,246; Dec. 17. Class 21.

Effectine Company, The, Indian Orchard, Mass. Liquid liniment. Serial No. 498,406; Dec. 17. Class 6.

[illegible]in American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.

[illegible]uanite Corporation, assignee: *See*—
Naugle, John J.

El Paraiso de Purua, Fuentes Termales, S. A., Mexico City, Mexico. Toilet soap. Serial No. 494,434; Dec. 17. Class 4.

Enel Manufacturing Co., Inc., New York, N. Y. Expansion wrist bracelets. Serial No. 497,380; Dec. 17. Class 28.

Evans Chemetics Inc., New York, N. Y. Cake make-up. Serial No. 495,598; Dec. 17. Class 6.

Evans, John R., & Company, Camden, N. J. Leather. Serial No. 501,175; Dec. 17. Class 1.

F & F Laboratories, Inc., Chicago, Ill. Hard candy drops. Serial No. 497,081; Dec. 17. Class 46.

Fairchild, E. E., Corporation, Rochester, N. Y. Playing cards. Serial No. 511,205; Dec. 17. Class 22.

Fast Manufacturing Co.: *See*—
Fast, Ralph E.

Fast, Ralph E., doing business as Fast Manufacturing Co., Los Angeles, Calif. Folding spool racks. Serial No. 492,491; Dec. 17. Class 32.

Field, Walter M., & Co.: *See*—
Mack, R. R.
Flambeau Milling Co., Phillips, Wis. Poultry and livestock feeds. Serial No. 496,228; Dec. 17. Class 46.
Fleecy Manufacturing Co., Chicago, Ill. House-slippers. Serial No. 497,999; Dec. 17. Class 39.
Flying Tigers (American Volunteer Group—Chinese Air Force) Incorporated, The, New York, N. Y. Pyrophoric cigarette and cigar lighters. Serial No. 506,023; Dec. 17. Class 34.
Foldene, Inc., Cleveland, Ohio. Catamenial receptacle. Serial No. 506,589; Dec. 17. Class 44.
Foot-Kind Shoe Company, Owensville, Mo. Shoes. Serial Nos. 481,017–18; Dec. 17. Class 39.
Galen Laboratories, Pittsburgh, Pa. After-shave lotion, hair tonic, after-shave talc, etc. Serial No. 490,884; Dec. 17. Class 6.
Gary & Eddy Distilling Co.: *See*—
Old Heaven Hill Springs Distillery.
Gaylee Hosiery Co.: *See*—
Diack, James A.
Gaylord Products, Incorporated, Chicago, Ill. Bobby pins and hairpins. Serial No. 490,532; Dec. 17. Class 40.
Gem-Dandy, Inc., Madison, N. C. Garters, suspenders, garment belts, etc. Serial No. 498,003; Dec. 17. Class 39.
Gem Tire & Rubber Co., Philadelphia, Pa. Pneumatic tires and inner tubes. Serial No. 497,237; Dec. 17. Class 35.
General Export & Import Co.: *See*—
Lamberti, Enrico.
General Plastics Company: *See*—
Pawlcyn, Stephen.
Genovese: *See*—
Genovese, Joseph.
Genovese, Joseph, doing business as Genovese, Long Island City, N. Y. Oil miscible chemical compound. Serial No. 498,833; Dec. 17. Class 6.
Ginet, Inc., Charlotte, N. C. Women's suits, coats, skirts, etc. Serial No. 502,287; Dec. 17. Class 39.
Glassman, Elaine: *See*—
Glassman, Jerome and Elaine.
Glassman, Jerome, and Elaine Glassman, Mount Vernon and Joliet, Ill. Periodical publication. Serial No. 499,778; Dec. 17. Class 38.
Glo-Rite Chemical Company, New York, N. Y. Laundry bleach solution. Serial No. 484,838; Dec. 17. Class 6.
Goodyear Tire & Rubber Company, Akron, Ohio. Hose. Serial No. 509,770; Dec. 17. Class 35.
Gotham Record Corp., New York, N. Y. Mechanically grooved phonograph records. Serial No. 500,078; Dec. 17. Class 36.
Hardesty Chemical Co., New York, N. Y. Synthetic detergent in liquid, paste or powder form. Serial No. 495,668; Dec. 17. Class 4.
Harvey Machine Co., Inc., Los Angeles, Calif. Finished aircraft parts and assemblies. Serial No. 488,523; Dec. 17. Class 19.
Heath, Edwin W., III, doing business as Heath Products Co., Bristol, Pa. Insecticides. Serial No. 496,701; Dec. 17. Class 6.
Heath Products Co.: *See*—
Heath, Edwin W., III.
Heckethorn Manufacturing & Supply Co., Littleton, Colo. Diecasting metals. Serial No. 499,227; Dec. 17. Class 14.
Heim, Joseph, Lynbrook, N. Y. Horse race game. Serial No. 498,842; Dec. 17. Class 22.
Hervey Associates, New York, N. Y. Sachets, perfumes, toilet waters, etc. Serial No. 500,081; Dec. 17. Class 6.
Hight Manufacturing Company, Oklahoma City, Okla. Ironing boards. Serial No. 500,219; Dec. 17. Class 24.
Hirsch, Albert W. H., Tampa, Fla. Word game. Serial No. 493,267; Dec. 17. Class 22.
Hodge, T. Barry, Chicago, Ill. Children's playtoys. Serial No. 494,606; Dec. 17. Class 22.
Hoge, Francis H., Jr., doing business as The U. N. Products Company, New York, N. Y. Insecticides. Serial No. 497,310; Dec. 17. Class 6.
Howard Manufacturing Corporation, Council Bluffs, Iowa. Skate wheels. Serial No. 496,963; Dec. 17. Class 22.
Huron Gray Iron Foundry Company, Ypsilanti, Mich. Gray iron castings. Serial No. 492,498; Dec. 17. Class 14.
Hygeia Pharmaceutical Co.: *See*—
Tanzer, Charles.
I. & M. Co., Brooklyn, N. Y. Crinoline skirts. Serial No. 494,683; Dec. 17. Class 39.
Ideal Shirt Company: *See*—
Bean, Calvin.
Illinois Watch Case Co., doing business as Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Button hooks, shoe horns, bobby combs, with cases therefor, etc. Serial No. 481,847; Dec. 17. Class 40.
International Brotherhood of Electrical Workers, Washington, D. C. Booklets. Serial No. 491,325; Dec. 17. Class 38.
International Brotherhood of Electrical Workers, Washington, D. C. Printed union shop cards. Serial No. 491,330; Dec. 17. Class 38.
International Nickel Company, Inc., The, New York, N. Y. Welding rods. Serial No. 495,606; Dec. 17. Class 14.
Jackman Cigar Mfg. Co., Detroit, Mich. Cigars. Serial No. 494,403; Dec. 17. Class 17.
Jakku, E. A., Hood River, Oreg. Dolls. Serial No. 507,586; Dec. 17. Class 22.
James Industries, Inc.: *See*—
James, Richard T.
James, Richard T., Brookline, assignor to James Industries, Inc., Germantown, Philadelphia, Pa. Spring toys. Serial No. 494,073; Dec. 17. Class 22.
Johnston Carbide Tool Co.: *See*—
Rothe, William H.
Kalix Mills, Inc., Cambridge, Mass. Artificial leather. Serial No. 498,228; Dec. 17. Class 50.
Karleen Incorporated, Morris Plains, N. J. Line-taut clamps. Serial No. 497,609; Dec. 17. Class 13.
Karpen, S., & Bros., Chicago, Ill. Mattresses, box springs, spring seats, etc. Serial No. 488,106; Dec. 17. Class 32.
Katz, Meyer, and Company: *See*—
Katz, Meyer M.
Katz, Meyer M., doing business as Meyer Katz and Company, Philadelphia, Pa. Perfume atomizers. Serial No. 510,020; Dec. 17. Class 44.
Kaylon Incorporated, New York, N. Y. Pajamas and night robes. Serial No. 497,610; Dec. 17. Class 39.
Kel Garments Inc., New York, N. Y. Juniors' and children's shorts, culottes, slacks, etc. Serial No. 508,382; Dec. 17. Class 39.
Kelley-Clarke Company, Seattle, Wash. Canned fish. Serial No. 486,310; Dec. 17. Class 46.
Kimsey, Lucien C., Oklahoma City, Okla. Non-alcoholic maltless beverages. Serial No. 502,141; Dec. 17. Class 45.
Kinney, Edward C., Chicago, Ill. Writing paper, envelopes, and blank gummed labels. Serial No. 500,804; Dec. 17. Class 37.
Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts thereof. Serial No. 501,913; Dec. 17. Class 26.
La Floreal Parfum Sales Co.: *See*—
Simon, Harry A.
Lamberti, Enrico, doing business as General Export & Import Co., New York, N. Y. Men's, women's, and children's hosiery. Serial No. 497,547; Dec. 17. Class 39.
Lanburn Chemical Co., Irvington, N. J. Chemical preparations. Serial No. 493,367; Dec. 17. Class 6.
Lancome Sales Inc., New York, N. Y. Perfumes and toilet water. Serial No. 501,188; Dec. 17. Class 6.
Lee, Gertrude R., Roxbury, Mass. Soap preparations. Serial No. 495,893; Dec. 17. Class 4.
Lee, Mary, doing business as Airstep Pad Co., New York, N. Y. Arch cushions. Serial No. 509,520; Dec. 17. Class 44.
Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. Serial No. 496,642; Dec. 17. Class 6.
Liberty Motors and Engineering Corporation, Baltimore, Md. Hand boring tools, torque wrench adapters; spline bushings, etc. Serial No. 469,685; Dec. 17. Class 23.
Linck, Paul A., New York, N. Y. Toy building block sets. Serial No. 494,091; Dec. 17. Class 22.
Livingston, Edw., & Sons: *See*—
Livingston, Edwin B.
Livingston, Edwin B., doing business as Edw. Livingston & Sons, Kansas City, Mo. Dish-washing compound. Serial No. 489,972; Dec. 17. Class 4.
Lloyd Products Company, The, Providence, R. I. Holders for fluorescent lamps. Serial No. 492,065; Dec. 17. Class 21.
Loomtogs, Inc., New York, N. Y. Women's and misses' playsuits, slack sets, slacks, etc. Serial No. 500,173; Dec. 17. Class 39.
Loomtogs, Inc., New York, N. Y. Infants', toddlers', children's, etc., aprons, bathing suits, bath robes, etc. Serial No. 500,174; Dec. 17. Class 39.
Mack, R. R., doing business as Walter M. Field & Co., San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 477,425; Dec. 17. Class 46.
Madison Wire Company, Inc., Buffalo, N. Y. Hairpins. Serial No. 500,100; Dec. 17. Class 40.
Madsen, Julius V., doing business as Julius V. Madsen Co., Los Angeles, Calif. Bubble bath preparation. Serial No. 500,889; Dec. 17. Class 6.
Madsen, Julius V., Co.: *See*—
Madsen, Julius V.
Mason Products Company, Inc., Louisville, Ky. Aluminum ladders. Serial No. 500,341; Dec. 17. Class 50.
Maxson Food Systems, Inc.: *See*—
Maxson, W. L., Corporation, The.
Maxson, W. L., Corporation, The, assignor to Maxson Food Systems, Inc., New York, N. Y. Electric ovens. Serial No. 482,689; Dec. 17. Class 21.
McCarroll, J. R., Company, Kansas City, Kans. Flexible shaft tool. Serial No. 500,624; Dec. 17. Class 23.
Meier & Pohlmann Furniture Co., St. Louis, Mo. Dinette suites. Serial Nos. 506,829–30; Dec. 17. Class 32.
Meltzer, Henry, doing business as Popcorn Service Company, New York, N. Y. Snacks. Serial No. 469,905; Dec. 17. Class 46.
Melville Shoe Corporation, New York, N. Y. Shoes. Serial No. 500,105; Dec. 17. Class 39.

Mercator Manufacturing Company: *See*—
Becker, Rodger F.
Merrell, Wm. S., Company, The, Cincinnati and Lockland Station, Cincinnati, Ohio. Product in capsule, tablet, liquid, or powder form. Serial No. 500,554; Dec. 17. Class 6.
Michaels, I. & L., New York, N. Y. Outer garments for young men and boys. Serial No. 501,756; Dec. 17. Class 39.
Moore Company, The, Muncie, Ind. Bed springs. Serial No. 507,652; Dec. 17. Class 32.
Morse Boulger Destructor Company, New York, N. Y. Incinerators and parts thereof. Serial No. 488,413; Dec. 17. Class 34.
Mureau, Charles A., Sherman Oaks, Calif. Lip rouge brush. Serial No. 498,789; Dec. 17. Class 29.
Nash Engineering Company, South Norwalk, Conn. Pumps and parts thereof. Serial No. 487,792; Dec. 17. Class 23.
National Fireproofing Corporation, Pittsburgh, Pa. Building tile. Serial No. 479,489; Dec. 17. Class 12.
National Oil Products Company, Harrison, N. J. Blend of fatty oils. Serial No. 496,651; Dec. 17. Class 4.
Naugle, John J., doing business as John J. Naugle Laboratory, assignor to Elguanite Corporation, New York, N. Y. Defecant for sugar solutions. Serial No. 499,852; Dec. 17. Class 6.
Naugle, John J., Laboratory: *See*—
Naugle, John J.
Nevelk Company, The, Hallowell, Maine. Shoes. Serial No. 498,537; Dec. 17. Class 39.
New Yorker Leather Goods Corp., New York, N. Y. Automobile kits. Serial No. 497,557; Dec. 17. Class 50.
Nichols, W. H., & Sons, Waltham, Mass. Hand milling machines and lubrication pumps. Serial No. 466,227; Dec. 17. Class 23.
Norman Products Company, Columbus, Ohio. Gas conversion burner. Serial No. 508,916; Dec. 17. Class 34.
Old Heaven Hill Springs Distillery, doing business as Gary & Eddy Distilling Co., Bardstown, Ky. Whiskey. Serial No. 491,356; Dec. 17. Class 49.
Optimist International, St. Louis, Mo. Trophies. Serial No. 461,022; Dec. 17. Class 28.
Our World Publishing Company, New York, N. Y. Magazines. Serial No. 500,179; Dec. 17. Class 38.
Ouvrier Fashion Accessories, New York, N. Y. Two-piece hair ornaments in the nature of buckles and spear pins. Serial No. 500,181; Dec. 17. Class 40.
Pacific Coast Fruit Distributors, Los Angeles, Calif. Fresh citrus fruit. Serial No. 501,139; Dec. 17. Class 46.
Pagliuso Engineering Co.: *See*—
Pagliuso, R. J.
Pagliuso, R. J., doing business as Pagliuso Engineering Co., Glendale, Calif. Shower heads. Serial No. 501,528; Dec. 17. Class 13.
Pakula and Company, Chicago, Ill. Watch straps. Serial No. 498,792; Dec. 17. Class 40.
Parfait, Incorporated, Chicago, Ill. Bubble bath, hand lotion, cologne, etc. Serial No. 495,092; Dec. 17. Class 6.
Parfums Marc-Allain (S. A. R. L.), Neuilly, France. Perfumes, toilet waters, rouge, etc. Serial No. 497,267; Dec. 17. Class 6.
Pawlcyn, Stephen, doing business as General Plastics Company, Minneapolis, Minn. Toy spinning tops. Serial No. 509,594; Dec. 17. Class 22.
Pennsylvania Rubber Company, Jeannette, Pa. Pneumatic rubber tires and the following tire repair materials, camelback, tube repair gum, and cushion gum, etc. Serial No. 503,743; Dec. 17. Class 35.
Peppy Footwear, Inc., New York, N. Y. Shoes and slippers. Serial No. 499,345; Dec. 17. Class 39.
Pessl, Helene, Inc., New York, N. Y. Baby cream, talcum powder, and baby oil. Serial No. 500,410; Dec. 17. Class 6.
Phillips Petroleum Company, Bartlesville, Okla. Furniture polish, auto polish, liquid and paste auto wax, etc. Serial No. 468,727; Dec. 17. Class 16.
Pioneer Suspender Company, Philadelphia, Pa. Wrist watch straps, and buckles. Serial No. 499,274; Dec. 17. Class 40.
Pohl, Alfred, New York, N. Y. Simulated pearls and costume jewelry. Serial No. 501,198; Dec. 17. Class 28.
Pollak, Henry, Inc., New York, N. Y. Straw and felt hat bodies. Serial No. 499,148; Dec. 17. Class 39.
Pollak, Henry, Inc., New York, N. Y. Hat braids and millinery braids. Serial Nos. 499,149–50; Dec. 17. Class 40.
Pond's Extract Company, New York, N. Y., and elsewhere. Face powder. Serial No. 499,349; Dec. 17. Class 6.
Popcorn Service Company: *See*—
Meltzer, Henry.
Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo and cosmetic cream. Serial No. 501,531; Dec. 17. Class 6.
Products Development & Manufacturing Co., The, Cleveland, Ohio. Fishing rods. Serial No. 409,950; Dec. 17. Class 22.
Quaker Chemical Products Corporation, Conshohocken, Pa. Detergents. Serial No. 497,497; Dec. 17. Class 4.
Ramsey, James N., Pittsburgh, Pa. Hair pomade. Serial No. 492,221; Dec. 17. Class 6.
Rayon Processing Co. of R. I. Inc., The, Central Falls, R. I. Irregularly cut or comminuted textile fibres. Serial No. 492,662; Dec. 17. Class 1.
Rayonier Incorporated, New York, N. Y. Wood cellulose in sheet form. Serial No. 500,824; Dec. 17. Class 1.
Reed, Gertrude S., doing business as Casa Rosa de Oro, Denver, Colo. Thin, crisp strip or chip of salty hot-fat-cooked corn product. Serial Nos. 491,462–3; Dec. 17. Class 46.
Reja, Inc., New York, N. Y. Costume jewelry. Serial No. 501,201; Dec. 17. Class 28.
Rench, L., Oakland, Calif. Paper bags. Serial No. 506,391; Dec. 17. Class 2.
Riggins, William P., doing business as Wm. P. Riggins Co., Arlington, Va. Medicinal preparation for the treatment of obesity. Serial No. 496,984; Dec. 17. Class 6.
Riggins, Wm. P., Co.: *See*—
Riggins, William P.
Rockmore Company, The, New York, N. Y. Boys' and men's hats, caps, helmets, etc. Serial No. 499,434; Dec. 17. Class 39.
Ronford Watch Co., New York, N. Y. Watches. Serial No. 501,474; Dec. 17. Class 27.
Rothe, William H., doing business as Johnston Carbide Tool Co., Kearny, N. J. Hair pins, bobby pins, and curl pins. Serial No. 499,969; Dec. 17. Class 40.
Rubinstein, Helene, Inc., assignee: *See*—
Tone Laboratories, Inc.
Sanderson, Wootson L., Meridian, Miss. Artificial stone and brick. Serial No. 506,553; Dec. 17. Class 12.
Sanford, Jay F., Chicago, Ill. Kits consisting of materials for making toy kites. Serial No. 509,997; Dec. 17. Class 22.
Schnier, I. F., doing business as I. F. Schnier Company, San Francisco, Calif. Orange juice, canned sardines, coffee, etc. Serial No. 483,743; Dec. 17. Class 46.
Schnier, I. F., Company: *See*—
Schnier, I. F.
Scientific Anglers, assignor to Scientific Anglers, Inc., Midland, Mich. Waterproofing composition. Serial No. 494,709; Dec. 17. Class 4.
Scientific Anglers, Inc., assignee: *See*—
Scientific Anglers.
Segelman, Jacob P., doing business as Dynamic Razor Blade Company, Los Angeles, Calif. Razor blades. Serial No. 487,214; Dec. 17. Class 23.
Silver, Irving, doing business as Silver Vogue Auto Seat Cover Co., Brooklyn, N. Y. Automobile seat covers. Serial No. 501,345; Dec. 17. Class 19.
Silver Vogue Auto Seat Cover Co.: *See*—
Silver, Irving.
Simon, Harry A., doing business as La Floreal Parfum Sales Co., Hollywood, Calif. Perfumes. Serial No. 497,823; Dec. 17. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Pharmaceuticals. Serial No. 500,139; Dec. 17. Class 6.
Sport Products Inc., Cincinnati, Ohio. Men's and boys' sport clothing and clothing for athletic contests, padded and unpadded. Serial No. 501,416; Dec. 17. Class 39.
Taft-Peirce Manufacturing Company, The, Woonsocket, R. I. Parallels, bench centers, bench blocks, etc. Serial No. 464,120; Dec. 17. Class 26.
Tanzer, Charles, doing business as Hygeia Pharmaceutical Co., New York, N. Y. Pharmaceuticals. Serial No. 500,779; Dec. 17. Class 6.
Tech-Art, Inc., Milford, Ohio. Toys. Serial No. 506,274; Dec. 17. Class 22.
Teen-Timers, Inc., New York, N. Y. Dresses for misses and girls. Serial No. 502,087; Dec. 17. Class 39.
Texite, Inc., New York, N. Y. Men's, women's, and children's wearing apparel. Serial No. 502,347; Dec. 17. Class 39.
Tone Laboratories, Inc., assignor to Helene Rubinstein Inc., New York, N. Y. Cosmetic preparations. Serial No. 496,486; Dec. 17. Class 4.
Town and Country Club Furs, Inc., New York, N. Y. Fur coats. Serial No. 501,884; Dec. 17. Class 39.
Town Hall, Inc., The, New York, N. Y. Publications. Serial No. 499,671; Dec. 17. Class 38.
U. N. Products Company, The: *See*—
Hoge, Francis H., Jr.
United Farms Co., Gundalupe, Calif. Fresh vegetables. Serial No. 501,029; Dec. 17. Class 46.
Weatherford, Fred, Washington, D. C. Game. Serial No. 501,297; Dec. 17. Class 22.
Wedgeworth, Charles A., Pampa, Tex. Preparation for use in the treatment of screw worms, wire cuts, pink eye, etc. Serial No. 497,285; Dec. 17. Class 6.
Weil, Lewis P., Germantown, Pa. Sachets. Serial No. 491,297; Dec. 17. Class 40.
Wiseman, Anna J., doing business as The Wiseman Company, Memphis, Tenn. Dolls. Serial No. 509,065; Dec. 17. Class 22.
Wiseman Company, The: *See*—
Wiseman, Anna J.
Younghusband, James L., Chicago, Ill. Effervescent headache tablets. Serial No. 500,508; Dec. 17. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A-Q Mills, assignor to A. Q. Mills, Inc., Timmonsville, S. C. Fabrics in the piece. 426,139; Dec. 17; Serial No. 496,494; published Sept. 24, 1946. Class 42.

A. Q. Mills, Inc.: *See*—
A-Q Mills.

Aktiebolaget Orrefors Glasbruk, Orrefors, Sweden. Flat-glass, plateglass, sheet glass, etc. 426,200; Dec. 17. Class 33.

Allen, Paul E., Skokie, Ill. Toy rattles and fabric covered stuffed toys. 426,077; Dec. 17; Serial No. 475,179; published Oct. 1, 1946. Class 22.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Power-transmission machinery. 215,219; renewed July 13, 1946. O. G. Dec. 17. Class 23.

American Brake Shoe Company, New York, N. Y. Frictional elements. 426,175; Dec. 17; Serial No. 503,041; published Oct. 1, 1946. Class 35.

American Chicle Company: *See*—
American Chicle Co.

American Chicle Co., New York, to American Chicle Company, Long Island City, N. Y. Chewing-gum. 58,998; re-renewed Dec. 25, 1946. O. G. Dec. 17. Class 46.

American Pop Corn Company, Sioux City and Leeds Station, Sioux City, Iowa. Raw pop corn. 426,155; Dec. 17; Serial No. 499,683; published Sept. 24, 1946. Class 46.

American Products Company, Dallas, Tex. Dough fermentation rooms, bread coolers, dough room conditioners, etc. 426,237; Dec. 17. Class 34.

American Washboard Company, The, Cleveland, Ohio, to The National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 57,436; renewed Nov. 13, 1946. O. G. Dec. 17. Class 24.

American Washboard Company, The, Cleveland, Ohio, to The National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 57,526; re-renewed Nov. 13, 1946. O. G. Dec. 17. Class 24.

Andrews, J. E., doing business as Perfection Window Company, Jacksonville, Fla. Lubricant and dressing. 426,228; Dec. 17. Class 4.

Andrews, J. Fred, doing business as Carolyn Fabrics, High Point, N. C. Piece goods of cotton, linen, wool, etc. 426,081; Dec. 17; Serial No. 478,737; published Sept. 24, 1946. Class 42.

Anglo-American Leathergoods Co., Inc., New York, N. Y. Wallets and billfolds. 426,177; Dec. 17; Serial No. 503,238; published Oct. 1, 1946. Class 3.

Arteraft Metal Products, Inc., West Haven, Conn. Toy sewing machines. 426,192; Dec. 17; Serial No. 506,573; published Oct. 8, 1946. Class 22.

Askania Regulator Company, Chicago, Ill. Mechanical, pneumatic, hydraulic, and electrical measuring and control apparatus and instruments. 426,201; Dec. 17. Class 26.

Aviation Office Supplies, Inc., New York, N. Y. File cabinets. 426,149; Dec. 17; Serial No. 499,102; published Sept. 24, 1946. Class 32.

Bailey, Phillip W., doing business as West Coast Stained Shingle Co., Seattle, Wash. Stained wood shingles. 426,174; Dec. 17; Serial No. 502,864; published Sept. 24, 1946. Class 12.

Baldwin and Shackleton, Inc., Cleveland, Ohio. Electrical signs. 426,210; Dec. 17. Class 21.

Balcrank, Inc., Cincinnati, Ohio. Hand operated grease pumps. 426,220; Dec. 17. Class 23.

Ballard & Ballard Co., Louisville, Ky. Bakers' bread flour, pastry maker flour, and baker's cake flour. 426,150; Dec. 17; Serial No. 499,371; published Sept. 24, 1946. Class 46.

Ballou, B. A., & Company, to B. A. Ballou & Co. Incorporated, Providence, R. I. Certain named jewelry. 58,294; re-renewed Dec. 11, 1946. O. G. Dec. 17. Class 28.

Ballou, B. A., & Co. Incorporated: *See*—
Ballou, B. A., & Company.

Bancroft Racket Company, Pawtucket, R. I. Shuttlecocks. 426,176; Dec. 17; Serial No. 503,154; published Oct. 1, 1946. Class 22.

Bantam Books, Inc., New York, N. Y. Printed books. 426,140; Dec. 17; Serial No. 496,599; published July 23, 1946. Class 38.

Barnes Drill Co., Rockford, Ill. Magnetic chip separators. 426,203; Dec. 17. Class 21.

Barret Textile Corporation, New York, N. Y. Textile fabrics in the piece. 426,222; Dec. 17. Class 42.

Bates, C. J., & Son, Chester, Conn. Manicure implements. 426,171; Dec. 17; Serial No. 502,617; published Oct. 1, 1946. Class 44.

Baxter Laundries Corporation, Grand Rapids, Mich. Laundry bags. 426,215; Dec. 17. Class 2.

Bay State Milling Company, Winona, Minn. Wheat flour. 426,128; Dec. 17; Serial No. 495,162; published Sept. 24, 1946. Class 46.

Beacon Press, Inc., The, Boston, Mass. Religious and educational periodical. 222,333; renewed Dec. 28, 1946. O. G. Dec. 17. Class 38.

Beckwith & Hiteman Bros., to Hiteman Leather Company, Incorporated, West Winfield, N. Y. Chrome-tanned calf. 59,152; re-renewed Jan. 1, 1947. O. G. Dec. 17. Class 1.

Becton, Dickinson & Co., Rutherford, N. J. Clinical thermometers. 426,195; Dec. 17; Serial No. 506,634; published Oct. 8, 1946. Class 44.

Belmont Products Corporation, New York, N. Y. Fruit cake. 426,209; Dec. 17. Class 46.

Bensdorp n/v: *See*—
Hollandsche Cacao-En Chocoladefabrieken v/h Bensdorp & Co.

Berg, Christy L., doing business as Berg Vault Company, St. Louis, Mo. Burial vaults and caskets. 426,098; Dec. 17; Serial No. 488,886; published Oct. 1, 1946. Class 2.

Berg Vault Company: *See*—
Berg, Christy L.

Best Foods, Inc., The: *See*—
H-O (Hornby's Oatmeal) Company, The.

Bishop, J., & Company Platinum Works, Malvern, Pa. Hypodermic needles. 426,188; Dec. 17; Serial No. 505,727; published Oct. 8, 1946. Class 44.

Blue Hill Candy Co., St. Louis, Mo. Candies. 214,654; renewed June 29, 1946. O. G. Dec. 17. Class 46.

Blue Hill Candy Co., St. Louis, Mo. Candies. 216,162; renewed Aug. 3, 1946. O. G. Dec. 17. Class 46.

Blum, D., & Co., to D. Blum & Co., Inc., New York, N. Y. Dry-cleaning fluids. 213,007; renewed May 18, 1946. O. G. Dec. 17. Class 4.

Blum, D., & Co., Inc.: *See*—
Blum, D., & Co.

Boosey & Hawkes Limited, London, England. Strings for musical instruments. 426,099; Dec. 17; Serial No. 488,887; published Sept. 24, 1946. Class 36.

Borg-Warner Corporation: *See*—
Calumet Steel Company.

Brockett Remedy Co.: *See*—
Brockett, William F.

Brockett, William F., doing business as Brockett Remedy Co., Dodge City, Kans. Composition for treating piles. 221,019; renewed Nov. 23, 1946. O. G. Dec. 17. Class 6.

Brunner, Mond & Co., Limited, Northwich, to I. C. I. (Alkali), Limited, Slough, Buckinghamshire, England. Ammonium chlorid. 54,966; re-renewed Aug. 7, 1946. O. G. Dec. 17. Class 6.

Caldex Company, The, Sheldon, Ill. Toy gliders. 426,198; Dec. 17; Serial No. 506,798; published Oct. 8, 1946. Class 22.

Callaway Mills, La Grange, Ga. Woven cotton rugs. 426,138; Dec. 17; Serial No. 496,424; published Sept. 24, 1946. Class 42.

Calumet Steel Company, to Borg-Warner Corporation, Chicago, Ill. Metallic fence posts. 216,283; renewed Aug. 10, 1946. O. G. Dec. 17. Class 13.

Carolyn Fabrics: *See*—
Andrews, J. Fred.

Central Processors and Briners, Ellensburg, Wash. Canned fruits. 426,122; Dec. 17; Serial No. 493,535; published Sept. 24, 1946. Class 46.

Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mats, and flongs. 426,141; Dec. 17; Serial No. 496,949; published Sept. 10, 1946. Class 50.

Charnas, Benjamin, Forest Hills, N. Y. Bowl covers, toaster covers, platter covers, etc. 426,079; Dec. 17; Serial No. 477,969; published Sept. 24, 1946. Class 50.

Chopak Textile Company, Inc., New York, N. Y. Rayon in the piece and knitted and woven silks, cotton, etc. 222,350; renewed Dec. 28, 1946. O. G. Dec. 17. Class 42.

Cisle, E. G., to Quix Laboratories, Inc., Chicago, Ill. Medicated corn, bunion, and callus pads and plasters. 221,684; renewed Dec. 7, 1946. O. G. Dec. 17. Class 6.

Clown Comics, Inc., New York, N. Y. Comic cartoon periodical. 426,107; Dec. 17; Serial No. 490,578; published Sept. 24, 1946. Class 38.

Cockle, James, & Co., to James Cockle & Co., Limited, London, England. Medical preparation in pill form. 54,990; re-renewed Aug. 7, 1946. O. G. Dec. 17. Class 6.

Cockle, James, & Co., Limited: *See*—
Cockle, James, & Co.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 222,256–7; renewed Dec. 28, 1946. O. G. Dec. 17. Class 46.

Consolidated Cosmetics, Chicago, Ill. Leather cosmetic kit bags and cases, etc. 426,119; Dec. 17; Serial No. 493,325; published Oct. 8, 1946. Class 3.

Consolidated Cosmetics, Chicago, Ill. Sachets, hair pins, bobby pins, etc. 426,144; Dec. 17; Serial No. 497,071; published Sept. 24, 1946. Class 40.

Corner, Whitney B.: *See*—
"Corn-Off" Co.

Corning Glass Works, Corning, N. Y. Glass tubing and rod. 426,076; Dec. 17; Serial No. 468,440; published Sept. 24, 1946. Class 33.

Corn Off Company: *See*—
"Corn-Off" Co.

"Corn-Off" Co., to Whitney B. Corner, doing business as Corn Off Company, Los Angeles, Calif. Remedy for corns, calli, and bunions. 211,215; renewed Apr. 6, 1946. O. G. Dec. 17. Class 6.

Creamette Company, The, Minneapolis, Minn. Macaroni. 216,574; renewed Aug. 17, 1946. O. G. Dec. 17. Class 46.

Crescent Typewriter Supply Company, Portland, Maine, and Boston, Mass., to F. S. Webster Company, Cambridge, Mass. Ink ribbons and carbon paper. 216,199; renewed Aug. 3, 1946. O. G. Dec. 17. Class 11.

Cunningham, E. T., Inc., to Radio Corporation of America, New York, N. Y. Thermionic detector, amplifier, and oscillator tubes. 221,699; renewed Dec. 7, 1946. O. G. Dec. 17. Class 21.

Dan River Mills: *See*—
Riverside & Dan River Cotton Mills, Inc.

Davies-Young Soap Company, The, Dayton, Ohio. Bimonthly magazine. 222,114; renewed Dec. 21, 1946. O. G. Dec. 17. Class 38.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. 426,113; Dec. 17; Serial No. 492,315; published Sept. 24, 1946. Class 37.

Dukay & Company, Inc., New York, N. Y. Buttons and buckles. 426,233; Dec. 17. Class 40.

Duramold Aircraft Corporation, New York, N. Y. Molded laminated receptacles. 426,106; Dec. 17; Serial No. 490,013; published Sept. 24, 1946. Class 2.

E. N. T. Tampon Company: *See*—
Riordan, Howard C.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Column or section in a periodical publication. 426,117; Dec. 17; Serial No. 493,106; published Sept. 24, 1946. Class 38.

Edo Aircraft Corporation, New York and College Point, Long Island, N. Y. Step stools. 426,193; Dec. 17; Serial No. 506,585; published Oct. 8, 1946. Class 32.

Edroy Products Company: *See*—
Herbert, Edward J.

Electric Steel Foundry, Portland, Oreg. Plastic metallic gaskets. 426,108; Dec. 17; Serial No. 490,939; published Oct. 8, 1946. Class 35.

Emtee Slacks, Inc., New York, N. Y. Slacks, polo shirts, sport coats, etc. 426,145; Dec. 17; Serial No. 497,378; published Sept. 24, 1946. Class 39.

English Needle & Fishing Tackle Company, Limited: *See*—
Milward, Henry, & Sons, Limited.

Eureka Williams Corporation: *See*—
Williams Oil-O-Matic Heating Corporation.

F–R Publishing Corporation, The, New York, N. Y. Magazine column. 426,116; Dec. 17; Serial No. 493,057; published Sept. 24, 1946. Class 38.

Federal Machine and Welder Company, The, Warren, Ohio. Furniture. 426,137; Dec. 17; Serial No. 496,134; published Oct. 1, 1946. Class 32.

Field, Walter M., & Co.: *See*—
Mack, R. R.

Floor Covering Co., assignor to Floor Coverings, Inc., New York, N. Y. Rugs and carpets. 426,091; Dec. 17; Serial No. 487,316; published Sept. 24, 1946. Class 42.

Floor Coverings, Inc., assignee: *See*—
Floor Covering Co.

Ford Motor Company, Highland Park, to Ford Motor Company, Dearborn, Mich. Coal and charcoal briquettes. 222,321: renewed Dec. 28, 1946. O. G. Dec. 17. Class 1.

Freel, John A., doing business as Michigan Specialty and Manufacturing Co., Bay City, Mich. Frenum guides, circumcision clamps, surgical scissors, etc. 426,086; Dec. 17; Serial No. 484,680; published Oct. 1, 1946. Class 44.

Fried, Louis I., doing business as Fried's Famous Foods and Palmer House Food Products Co., Miami, Fla. Batter mix. 426,235; Dec. 17. Class 46.

Fried's Famous Foods: *See*—
Fried, Louis I.

Fulton Bag & Cotton Mills, Atlanta, Ga. Cotton picker bags. 426,205; Dec. 17. Class 2.

Galewski, A., & Sons, Inc., New York, N. Y. Trunks, suitcases, valises, etc. 426,088; Dec. 17; Serial No. 485,407; published Sept. 24, 1946. Class 3.

Galloway, George M., doing busines as Grand Lake Fishing Tackle, Celina, Ohio. Artificial fish baits. 426,180; Dec. 17; Serial No. 504,172; published Oct. 8, 1946. Class 22.

Gardner Food Products Co.: *See*—
Gardner, Wm. H.

Gardner, Wm. H., doing business as Gardner Food Products Co., Los Angeles, Calif. Relish. 426,212; Dec. 17. Class 46.

Garfield Tea Company: *See*—
Garfield Tea Co.

Garfield Tea Co., New York, to Garfield Tea Company, Brooklyn, N. Y. Plasters and certain named medicines. 58,856; re-renewed Dec. 25, 1946. O. G. Dec. 17, 1946. Class 6.

Gates Rubber Company, The, Denver, Colo. Rubber tires and inner tubes. 222,305; renewed Dec. 28, 1946. O. G. Dec. 17. Class 35.

General Desserts Corporation, New York, N. Y. Gelatine desserts. 426,105; Dec. 17; Serial No. 489,862; published Sept. 24, 1946. Class 46.

Gerstle Medicine Co., The: *See*—
Plough Chemical Company.

Geuder Paeschke & Frey Co.: *See*—
Geuder & Paeschke Manufacturing Company.

Geuder & Paeschke Manufacturing Company, to Geuder Paeschke & Frey Co., Milwaukee, Wis. Pieced, and antirust tinware, and stamped, etc., sheet-metal ware. 58,976; re-renewed Dec. 25, 1946. O. G. Dec. 17. Class 13.

Ghirardelli, D., Co., San Francisco, Calif. Ground chocolate and cocoa. 426,159; Dec. 17; Serial No. 499,834; published Sept. 24, 1946. Class 46.

Gildner, Henry G., doing business as Travel-Toi Company, Detroit, Mich. Children's toilet chairs. 426,146; Dec. 17; Serial No. 497,662; published Oct. 8, 1946. Class 32.

Gill, J. J., & Associates, Los Angeles, Calif. Artificial fish bait. 426,181; Dec. 17; Serial No. 504,267; published Oct. 8, 1946. Class 22.

Gimbel Brothers, Inc., New York, N. Y. Golf balls. 426,179; Dec. 17; Serial No. 503,896; published Oct. 1, 1946. Class 22.

Girl Scouts, New York, N. Y. Monthly magazine. 214,946; renewed July 6, 1946. O. G. Dec. 17. Class 38.

Glenn, Charles A., doing business as Rhumboogie Recording Company, Chicago, Ill. Mechanically grooved phonograph records. 426,101; Dec. 17; Serial No. 489,510; published Sept. 10, 1946. Class 36.

Goodrich, B. F., Company, The: *See*—
Hood Rubber Company.

Grand Lake Fishing Tackle: *See*—
Galloway, George M.

Grant Photo Products, Inc., New York, N. Y. Mounted photographs. 426,125; Dec. 17; Serial No. 494,216; published Sept. 24, 1946. Class 38.

Green, Beckman B., Courtland, Calif. Fresh deciduous fruits. 221,756; renewed Dec. 7, 1946. O. G. Dec. 17. Class 46.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather. 426,221; Dec. 17. Class 1.

Greif, L., & Bro., Incorporated, Baltimore, Md. Coats, vests, trousers, etc., for men, youths, and boys. 221,126; renewed Nov. 23, 1946. O. G. Dec. 17. Class 39.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Shoe side upper leather. 426,114; Dec. 17; Serial No. 492,436; published Sept. 24, 1946. Class 1.

H–O (Hornby's Oatmeal) Company, The, to The Best Foods, Inc., New York, N. Y. Flours and self-raising flours, and certain named cereal foods. 58,643; re-renewed Dec. 18, 1946. O. G. Dec. 17. Class 46.

Haas Brothers, San Francisco, Calif. Kraft tray paper. 426,083; Dec. 17; Serial No. 479,230; published July 31, 1945. Class 37.

Hale Bros. Stores, Inc., San Francisco, Calif. Muslin sheets, bedspreads, napkins, etc. 426,093; Dec. 17; Serial No. 487,944; published Sept. 24, 1946. Class 42.

Hall Brothers Incorporated, Kansas City, Mo. Greeting cards. 426,160; Dec. 17; Serial No. 499,836; published Sept. 24, 1946. Class 38.

Happ, Frank B., Albany, N. Y. Liquid and plastic roof cements, roof paint, waterproof deck paint, etc. 221,272; renewed Nov. 23, 1946. O. G. Dec. 17. Class 16.

Harter Corporation, Sturgis, Mich. Chairs, seats, and office stands, etc. 426,191; Dec. 17; Serial No. 506,314; published Oct. 8, 1946. Class 32.

Heinz, H. J., Company, Pittsburgh, Pa. Certain named food products. 221,041; renewed Nov. 23, 1946. O. G. Dec. 17. Class 46.

Helburn, Willard, Inc., Peabody, Mass. Artificial leather. 426,134; Dec. 17; Serial No. 496,025; published Sept. 10, 1946. Class 50.

Henry, Patrick, Publications, Inc., New York, assignor to Vista Publishing Corporation, New York, N. Y. Magazines. 426,151; Dec. 17; Serial No. 499,503; published Sept. 24, 1946. Class 38.

Herbert, Edward J., doing business as Edroy Products Company, New York, N. Y. Magnifying glass. 426,087; Dec. 17; Serial No. 484,893; published Sept. 24, 1946. Class 26.

Hercules Powder Company: *See*—
Laflin & Rand Powder Company.

Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 219,845; renewed Oct. 26, 1946. O. G. Dec. 17. Class 22.

Hills Brothers Company, The, New York, N. Y. Fard dates. 220,342; renewed Nov. 9, 1946. O. G. Dec. 17. Class 46.

Hiteman Leather Company, Incorporated: *See*—
Beckwith & Hiteman Bros.

Hollandsche Cacao-En Chocoladefabrieken v/h Bensdorp & Co., Amsterdam, Netherlands, to Bensdorp n/v, Bussum, Holland. Cocoa. 192,519; renewed Dec. 9, 1944. O. G. Dec. 17. Class 46.

Hollandsche Cacao-En Chocoladefabrieken v/h Bensdorp & Co., Amsterdam, Netherlands, to Bensdorp n/v, Bussum, Holland. Cocoa. 194,126; renewed Jan. 13, 1945. O. G. Dec. 17. Class 46.

Hood Rubber Company, Watertown, Mass., to The B. F. Goodrich Company, New York, N. Y. Rubber boots and shoes, rubber overshoes, etc. 214,921–2; renewed July 6, 1946. O. G. Dec. 17. Class 39.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 222,269; renewed Dec. 28, 1946. O. G. Dec. 17. Class 6.

Houghton, E. F., & Co., Philadelphia, Pa. Compound in dry granulated form for all cleansing purposes. 222,255; renewed Dec. 28, 1946. O. G. Dec. 17.

House Beautiful Curtains, Inc., New York, N. Y. Window curtains and curtain materials in the piece. 426,217–9; Dec. 17. Class 42.

Huber, J. M., Inc., New York, N. Y. Vulcanizable composition. 426,129; Dec. 17; Serial No. 495,385; published Sept. 24, 1946. Class 1.

Hunt, William, & Sons, The Brades, Limited, Brades Steel Works, near Birmingham, to William Hunt & Sons, The Brades, Limited, Oldbury, near Birmingham, England. Trowels of all kinds. 55,110–11; re-renewed Aug. 7, 1946. O. G. Dec. 17. Class 23.

Huntley & Palmers, Limited: *See*—
Huntley & Palmers, Ltd.

Huntley & Palmers, Ltd., Reading, to Huntley & Palmers, Limited, Reading and London, England. Biscuits. 55,247; re-renewed Aug. 14, 1946. O. G. Dec. 17. Class 46.

I. C. I. (Alkali), Limited: *See*—
Brunner, Mond & Co., Limited.

I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany, to Winthrop Chemical Company, Inc., New York, N. Y. Preparation for the treatment of malaria. 222,592; renewed Jan. 4, 1947. O. G. Dec. 17. Class 6.

Improved Products Inc., Los Angeles, Calif. Powder base for making imitation banana-flavored pudding. 426,152; Dec. 17; Serial No. 499,628; published Sept. 24, 1946. Class 46.

Intercall Systems, Inc., Dayton, Ohio. Private telephone systems. 426,223; Dec. 17. Class 21.

International Company, The, to The C. M. Pitt & Sons Company, Baltimore, Md. Nut salads and crushed fruits in sirup, crushed nuts in sirup, etc. 220,721; renewed Nov. 16, 1946. O. G. Dec. 17. Class 46.

International Company, The, to The C. M. Pitt & Sons Company, Baltimore, Md. Eggwhite preparation in powdered form. 221,414; renewed Nov. 30, 1946. O. G. Dec. 17. Class 46.

Jalof, William R., doing business as Plastic Products, Los Angeles, Calif. Poker chips. 426,094; Dec. 17; Serial No. 488,222; published Oct. 1, 1946. Class 22.

Jana Handbags, Inc., New York, N. Y. Ladies' handbags. 426,194; Dec. 17; Serial No. 506,602; published Oct. 8, 1946. Class 3.

Jordan Marsh Company, Boston, Mass. Hair nets. 221,900; renewed Dec. 14, 1946. O. G. Dec. 17. Class 42.

Kansas City Wholesale Grocery Co., to Pickwick Products, Inc., Kansas City, Mo. Pencils and school tablets and toilet paper. 222,148; renewed Dec. 21, 1946. O. G. Dec. 17. Class 37.

Keith, Geo. E., Company, Brockton, Mass. Cleanser for white fabrics. 219,869; renewed Oct. 26, 1946. O. G. Dec. 17. Class 4.

Kenosha Full Fashioned Mills, Inc., Kenosha, Wis. Ladies' hosiery, slips, panties, etc. 426,153; Dec. 17; Serial No. 499,631; published Sept. 24, 1946. Class 39.

Kirby Chemical Company, to Mary W. Kirby, Grand Haven, Mich. Ointment for skin diseases. 59,292; re-renewed Jan. 1, 1947. O. G. Dec. 17. Class 6.

Kirby, Mary W.: *See*—
Kirby Chemical Company.

Koret of California, Inc., San Francisco, Calif. Girls' and women's skirts, blouses, outer shorts, etc. 426,131; Dec. 17; Serial No. 495,807; published Sept. 24, 1946. Class 39.

Kremer, John C., West Palm Beach, Fla. Fishing lures. 426,162; Dec. 17; Serial No. 499,954; published Oct. 1, 1946. Class 22.

Krolik Corporation, The: *See*—
National Textile Distributors Corporation.

Laflin & Rand Powder Company, New York, N. Y., to Hercules Powder Company, Wilmington, Del. Gunpowder. 57,995; re-renewed Dec. 4, 1946. O. G. Dec. 17. Class 9.

Laflin & Rand Powder Company, New York, N. Y., to Hercules Powder Company, Wilmington, Del. Explosive powder, including smokeless powder. 58,022; re-renewed Dec. 4, 1946. O. G. Dec. 17. Class 9.

Lahef Spring & Tire Corporation, Oakland, Calif. Automotive equipment and accessories. 426,224; Dec. 17. Class 21.

Lavinsky, Moses, Medford, N. J. Piece goods. 426,133; Dec. 17; Serial No. 495,975; published Sept. 24, 1946. Class 42.

Lawrence Products Co., Attalla, Ala. Cotton rugs. 426,226; Dec. 17. Class 42.

Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 426,214; Dec. 17; Serial No. 503,214; published Oct. 8, 1946. Class 35.

Lektrolite Corporation, New York, N. Y. Cigar and cigarette holders and pipes. 426,227; Dec. 17. Class 8.

Lemieux, Armand J., assignor to Armand J. Lemieux Corporation, New York, N. Y. Watch cases. 426,213; Dec. 17. Class 27.

Lemieux, Armand J., Corporation: *See*—
Lemieux, Armand J.

Lindsey, Earl, doing business as Rodeo Cowboys Association, Fort Worth, Tex. Magazine. 426,005; Dec. 17; Serial No. 488,226; published Sept. 24, 1946. Class 38.

Loeb & Hoch, Inc., New York, N. Y. Ladies', misses', and junior misses' coats and suits. 426,164; Dec. 17; Serial No. 500,096; published Sept. 24, 1946. Class 39.

Long Boy Sleeping Equipment Co., Los Angeles, Calif. Bed-rail extensions, box mattresses, and box springs. 426,121; Dec. 17; Serial No. 493,501; published Oct. 1, 1946. Class 32.

Lorenzen, Ann J., Atlantic City, N. J. Dolls. 426,182; Dec. 17; Serial No. 504,369; published Oct. 1, 1946. Class 22.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Dress shields. 426,090; Dec. 17; Serial No. 486,049; published Sept. 3, 1946. Class 40.

Mack, R. R., doing business as Walter M. Field & Co., San Francisco, Calif. Canned fruits and canned vegetables. 426,204; Dec. 17. Class 46.

MacRay Lamp & Novelty Co., Inc., New York, N. Y. Electric table lamp. 426,216; Dec. 17. Class 21.

Macy, R. H., & Co., Inc., New York, N. Y. Children's coats, dresses, rompers, etc. 217,614; renewed Sept. 7, 1946. O. G. Dec. 17. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Children's coats, dresses, rompers, etc. 217,771; renewed Sept. 7, 1946. O. G. Dec. 17. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Coats, suits, dresses, and lingerie for women. 218,056; renewed Sept. 21, 1946. O. G. Dec. 17. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Corsets, brassières, and lingerie. 218,627; renewed Sept. 28, 1946. O. G. Dec. 17. Class 39.

Malbrough, Ira D. Jr., Chicago, Ill. Golf balls. 426,183–5; Dec. 17; Serial Nos. 504,914–16; published Sept. 24, 1946. Class 22.

Markwell Mfg. Co., Inc., New York, N. Y. Staples. 426,126; Dec. 17; Serial No. 494,566; published Sept. 24, 1946. Class 13.

Marvlo Fabrics, Inc.: *See*—
Marvlo Mills, Inc.

Marvlo Mills, Inc., to Marvlo Fabrics, Inc., New York, N. Y. Cotton, silk, artificial-silk, etc., piece goods. 217,690; renewed Sept. 7, 1946. O. G. Dec. 17. Class 42.

Marvlo Mills, Inc., to Marvlo Fabrics, Inc., New York, N. Y. Cotton, silk, artificial-silk, etc., piece goods. 221,333; renewed Nov. 30, 1946. O. G. Dec. 17. Class 42.

Marvlo Mills, Inc., to Marvlo Fabrics, Inc., New York, N. Y. Cotton, silk, artificial-silk, wool, etc., piece goods. 222,100; renewed Dec. 21, 1946. O. G. Dec. 17. Class 42.

Masury-Young Company, Charlestown, Mass. Cleaning and polishing preparation. 222,349; renewed Dec. 28, 1946. O. G. Dec. 17. Class 4.

McCormick & Co., Incorporated, Baltimore, Md. Teas. 58,984; re-renewed Dec. 25, 1946. O. G. Dec. 17. Class 46.

Mengel Company, The, Louisville, Ky. Dressers, bureaus, highboys, etc. 426,165; Dec. 17; Serial No. 500,683; published Oct. 8, 1946. Class 32.

Metallurgical Equipment Co., Inc., East Rutherford, N. J. Flexible all metal hose. 426,196; Dec. 17; Serial No. 506,680; published Oct. 8, 1946. Class 35.

Meyer, August A., doing business as Universal Water Softener Co. (Not Inc.), Maywood, Ill. Softening material which is a manufactured mineral. 222,612; renewed Jan. 4, 1947. O. G. Dec. 17. Class 6.

Michigan Specialty and Manufacturing Co.: *See*—
Freel, John A.

Micrometal Company, Ferndale, Mich. Dimension measuring apparatus in the nature of snap gauges and the like. 426,084; Dec. 17; Serial No. 481,189; published Sept. 24, 1946. Class 26.

Miller Freeman Publications: *See*—
Wood, Roldo M.

Milward, Henry, & Sons, Limited, Redditch, to The English Needle & Fishing Tackle Company, Limited, Birmingham, England. Needles. 55,243; re-renewed Aug. 7, 1946. O. G. Dec. 17. Class 40.

Minchenberg, Alfred S., New York, N. Y. Ladies', misses', junior misses', and girls' dresses, blouses, slacks, etc. 426,163; Dec. 17; Serial No. 500,013; published Sept. 24, 1946. Class 39.

Minneapolis Star Journal and Tribune Company, South Minneapolis, Minn. Section, department, or column in newspapers. 426,161; Dec. 17; Serial No. 499,909; published Sept. 24, 1946. Class 38.

Modern Plastics, Inc., New York, N. Y. Section in a weekly publication. 426,130; Dec. 17; Serial No. 495,753; published Sept. 24, 1946. Class 38.

Moench, R. G., & Co., Inc., New York, N. Y. Mixture for use in minute quantities in the comercial manufacture of frozen confections. 426,211; Dec. 17. Class 46.

Moore, Robert, Montclair, N. J. All white, non-fabric, lawn tennis court marking tape. 426,172; Dec. 17; Serial No. 502,761. O. G. Oct. 8, 1946. Class 22.

Mosler Lock Company, The, Covington, Ky. Locks. 216,950; renewed Aug. 24, 1946. O. G. Dec. 17. Class 25.

National Fabric and Finishing Company, Boston, Mass., to Turner Halsey Co., New York, N. Y. Certain named piece goods. 221,219; renewed Nov. 23, 1946. O. G. Dec. 17. Class 42.

National Glove Company, The, Columbus, Ohio. Leather gloves. 221,870; renewed Dec. 14, 1946. O. G. Dec. 17. Class 39.

National Pet Foods, Inc., Buffalo, N. Y. Dog food. 426,100; Dec. 17; Serial No. 489,342; published Apr. 2, 1946. Class 46.

National Textile Distributers Corporation, New York, N. Y., to The Krolik Corporation, Detroit, Mich. Hosiery. 222,221; renewed Dec. 28, 1946. O. G. Dec. 17. Class 39.

National Washboard Company, The: *See*—
American Washboard Company, The.

Naugatuck Chemical Company, The, to United States Rubber Company, New York, N. Y. Accelerators of the vulcanization of rubber and like materials. 218,486; renewed Sept. 28, 1946. O. G. Dec. 17. Class 6.

Nelson, Baker & Company, Detroit, Mich. Hand lotions, perfumes, toilet waters, etc. 217,380; renewed Sept. 28, 1946. O. G. Dec. 17. Class 6.

New Jersey Zinc Company, The, Newark and Franklin, N. J., to The New Jersey Zinc Company, New York, N. Y. Zinc-base alloy. 222,098; renewed Dec. 21, 1946. O. G. Dec. 17. Class 14.

New Orleans Coffee Co. Limt., New Orleans, La., to Penick & Ford, Ltd., Incorporated, New York, N. Y., Molasses, syrup, and sorghum. 58,609; re-renewed Dec. 18, 1946. O. G. Dec. 17. Class 46.

New Orleans Coffee Co. Lmd., New Orleans, La., to Penick & Ford, Ltd., Incorporated, New York, N. Y. Molasses, syrup, and sorghum. 58,656; re-renewed Dec. 18, 1946. O. G. Dec. 17. Class 46.

New Orleans Coffee Co. Lmtd., New Orleans, La., to Penick & Ford, Ltd., Incorporated, New York, N. Y. Molasses, syrup, and sorghum. 58,657; re-renewed Dec. 18, 1946. O. G. Dec. 17. Class 46.

Old Virginia Packing Company, Inc., Front Royal, Va. Mince meat. 426,232; Dec. 17. Class 46.

Onthank, G. W., Company, Des Moines, Iowa. Preparations for cleaning and polishing, hand cleaning soaps, metal polishes, etc. 426,229; Dec. 17. Class 4.

Optimist International, St. Louis, Mo. Printed membership badges, membership cards, printed charters, etc. 426,074; Dec. 17; Serial No. 461,023; published Sept. 24, 1946. Class 38.

Osburn, Myron E., Enid, Okla. Stringed musical instruments. 426,120; Dec. 17; Serial No. 493,452; published Sept. 10, 1946. Class 36.

Palay, S. T., Textile Corporation, New York, N. Y. Crease resistant fabrics. 426,104; Dec. 17; Serial No. 489,748; published Sept. 24, 1946. Class 42.

Palmer House Food Products Co: *See*—
Fried, Louis I.

Paper Package Company, Indianapolis, Ind. Transparent boxes composed of cellulose acetate. 426,135; Dec. 17; Serial No. 496,100; published Sept. 24, 1946. Class 2.

Paxton, Floyd G., doing business as Paxton Products Company, Riverside, Calif. Paper plant covers. 426,080; Dec. 17; Serial No. 477,979; published Sept. 24, 1946. Class 37.

Paxton & Gallagher Co., Omaha, Nebr. Canned corn, canned peaches, canned salmon, etc. 222,347; renewed Dec. 28, 1946. O. G. Dec. 17. Class 46.

Paxton Products Company: *See*—
Paxton, Floyd G.

Peate's Music House: *See*—
Peates Music House.

Peates Music House, Incorporated, to H. M. Williams, doing business as Peate's Music House, Utica, N. Y. Banjos, banjo ukuleles, bows for violins, etc. 216,745; renewed Aug. 17, 1946. O. G. Dec. 17. Class 36.

Penick & Ford, Ltd., Incorporated: *See*—
New Orleans Coffee Co. Limt.
New Orleans Coffee Co. Lmd.
New Orleans Coffee Co. Lmtd.

Perfection Window Company: *See*—
Andrews, J. E.

Pick, Albert, & Company, to Albert Pick Co. Inc., Chicago, Ill. Glass tumblers. 220,558; renewed Nov. 9, 1946. O. G. Dec. 17. Class 33.

Pick, Albert, Co. Inc.: *See*—
Pick, Albert, & Company.

Pickwick Products, Inc.: *See*—
Kansas City Wholesale Grocery Co.

Pictorlads, New York, N. Y. Photographs. 426,158; Dec. 17; Serial No. 499,798; published Sept. 24, 1946. Class 38.

Pitt, C. M., & Company, The: *See*—
International Company, The.

Plastic Products: *See*—
Jalof, W. R.

Plough Chemical Company, doing business as The Gerstle Medicine Co., to Plough, Inc., Memphis, Tenn. Medicinal preparation. 221,336; renewed Nov. 30, 1946. O. G. Dec. 17. Class 6.

Plough Chemical Company, doing business as The Gerstle Medicine Co., to Plough, Inc., Memphis, Tenn. Vegetable compound in liquid form 221,424; renewed Nov. 30, 1946. O. G. Dec. 17. Class 6.

Plough, Inc.: *See*—
Plough Chemical Company.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Flower seeds, vegetable seeds, and grass seeds. 426,096; Dec. 17; Serial No. 488,416; published Sept. 24, 1946. Class 1.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Hose reels, clothes hampers, vacuum bottles, etc. 426,097; Dec. 17; Serial No. 488,417; published Sept. 24, 1946. Class 2.

Post, Frederick, Company, The, Chicago, Ill. Light-sensitized paper for producing diazotype prints of the type capable of development in ammonia gas. 426,127; Dec. 17; Serial No. 495,023; published Sept. 24, 1946. Class 26.

Potter Drug & Chemical Corporation, Portland, Maine, and Boston, Mass., to Potter Drug & Chemical Corporation, Malden, Mass. Preparation of pure Jamaica ginger combined with choice aromatic and genuine French brandy. 58,771; re-renewed Dec. 25, 1946. O. G. Dec. 17. Class 6.

Premium Service Co. Inc., The, New York, N. Y. Periodical. 426,156; Dec. 17; Serial No. 499,730; published Sept. 24, 1946. Class 38.

Pritchard, E., Inc.: *See*—
Pritchard, Edward.

Pritchard, E., Inc., Bridgeton, N. J. Catchup, chili sauce, and relish. 222,352; renewed Dec. 28, 1946. O. G. Dec. 17. Class 46.

Pritchard, Edward, New York, N. Y., to E. Pritchard, Inc., Bridgeton, N. J. Ammonia, catsup, and sauce. 28,564; re-renewed July 7, 1946. O. G. Dec. 17. Classes 6 and 46.

Pritchard, Edward, New York, N. Y., to E. Pritchard, Inc., Bridgeton, N. J. Worcestershire sauce, jellies, flavoring extracts, etc. 214,816; renewed July 6, 1946. O. G. Dec. 17. Class 46.

Pritikin Furniture Company: *See*—
Zarbin, Richard B.

Pulmosan Safety Equipment Co., to Pulmosan Safety Equipment Corporation, Brooklyn, N. Y. Nose and mouth respirators, goggle respirators, sand-blast helmets, etc. 217,429; renewed Aug. 31, 1946. O. G. Dec. 17. Class 44.

Pulmosan Safety Equipment Corporation: *See*—
Pulmosan Safety Equipment Co.

Quaker Chemical Products Corporation, Conshohocken, Pa. Cutting oils. 426,102; Dec. 17; Serial No. 489,531; published Sept. 3, 1946. Class 15.

Quality Bakers of America, New York, N. Y. Magazine. 218,632; renewed Sept. 28, 1946. O. G. Dec. 17. Class 38.

Quix Laboratories, Inc.: *See*—
Cisle, E. G.

Radio Corporation of America: *See*—
Cunningham, E. T., Inc.

Rand Rubber Company, Brooklyn, N. Y. Dress shields. 426,147; Dec. 17; Serial No. 498,029; published Oct. 1, 1946. Class 40.

Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.

Rhea Manufacturing Company, Milwaukee, Wis. Women's, misses', and juniors' dresses, suits, skirts, etc. 426,234; Dec. 17. Class 39.

Rhumboogie Recording Company: *See*—
Glenn, Charles A.

Richman, J., & Company, New York, N. Y. Textile fabrics. 426,078; Dec. 17; Serial No. 477,528; published Sept. 24, 1946. Class 42.

Riordan, Howard C., doing business as E. N. T. Tampon Company, Oak Park, Ill. Tampons and surgical dressings. 426,173; Dec. 17; Serial No. 502,845; published Oct. 8, 1946. Class 44.

Riverside & Dan River Cotton Mills, Inc., doing business as Dan River Mills, Danville, Va. Florist's twine. 426,166; Dec. 17; Serial No. 501,281; published Sept. 24, 1946. Class 7.

Rodeo Cowboys Association: *See*—
Lindsey, Earl.

Rosenau Brothers, Philadelphia, Pa. Girls' dresses. 426,085; Dec. 17; Serial No. 482,258; published Sept. 24, 1946. Class 39.

Ross, Sydney, Co., The, New York, N. Y., to The Sydney Ross Co., Newark, N. J. Remedy for influenza and grippe. 58,811; re-renewed Dec. 25, 1946. O. G. Dec. 17. Class 6.

Roth Fabrics Corporation, New York, N. Y. Rayon fabric in the piece. 426,082; Dec. 17; Serial No. 479,214; published Sept. 24, 1946. Class 42.

Russell, F. C., Company, The, Cleveland, Ohio. Storm windows, combination screen and storm windows, and window screens. 426,199; Dec. 17. Class 12.

Salem Products Corp., New York, N. Y. Shoulder pads. 426,132; Dec. 17; Serial No. 495,829; published Oct. 8, 1946. Class 40.

Santos, R. L., Company: *See*—
Santos, Ralph L.

Santos, Ralph L., doing business as R. L. Santos Company, Cambridge, Mass. Games. 426,189; Dec. 17; Serial No. 505,862; published Oct. 8, 1946. Class 22.

Sapphire Hosiery Company, Philadelphia, Pa. Hosiery. 426,136; Dec. 17; Serial No. 496,104; published Sept. 24, 1946. Class 39.

Sayford, Frank M., Co. Inc., Brooklyn, N. Y. Paper cups. 426,178; Dec. 17; Serial No. 503,760; published Oct. 1, 1946. Class 2.

Schuster, Murray L., doing business as United Sanitary Chemicals Company, Baltimore, Md. Preparation for cleaning and polishing porcelain and enameled surfaces and tile. 426,208; Dec. 17. Class 4.

Sealy, Incorporated, Chicago, Ill. Mattresses and sofa beds, studio couches, etc. 426,168; Dec. 17; Serial No. 501,541; published Oct. 1, 1946. Class 32.
Selsi Company, Inc.: *See*—
Sussfeld, Lorsch & Schimmel.
Shake Sharp Razor, Inc., Long Island City, N. Y. Safety razors. 426,225; Dec. 17. Class 23.
Simon's Co. Inc., The, New York, N. Y. Silk hosiery. 222,331; renewed Dec. 28, 1946. O. G. Dec. 17. Class 39.
Simplex Products Corporation, Cleveland, Ohio. Machinery shaft seals. 426,110; Dec. 17; Serial No. 491,518; published Aug. 27, 1946. Class 35.
Societe Anonyme de la Benedictine, Distillerie de la Liqueur de L'Ancienne Abbaye de Fecamp: *See*—
Société Anonyme de la Distillerie de la Liqueur Bénédictine de L'Abbaye de Fécamp.
Société Anonyme de la Distillerie de la Liqueur Bénédictine de L'Abbaye de Fécamp, to Societe Anonyme de la Benedictine, Distillerie de la Liqueur de L'Ancienne Abbaye de Fecamp, Fecamp, France. Cordial. 53,260; re-renewed May 29, 1946. O. G. Dec. 17. Class 49.
Societe Nouvelle de Parfumerie, Societe Anonyme, Paris, France. Certain cosmetics. 211,077; renewed Apr. 6, 1946. O. G. Dec. 17. Class 6.
Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Paper bags. 426,190; Dec. 17; Serial No. 505,863; published Oct. 8, 1946. Class 2.
Southern California Plastic Company, Eagle Rock, Calif. Plastic applicators. 426,167; Dec. 17; Serial No. 501,289; published Oct. 1, 1946. Class 44.
South Texas Cotton Oil Company, Houston, Tex. Oleaginous compound constituting a shortening and a substitute for lard. 426,103; Dec. 17; Serial No. 489,616; published Sept. 24, 1946. Class 46.
Spartan Mills, Spartanburg, S. C. Cotton piece goods. 222,535; renewed Jan. 4, 1947. O. G. Dec. 17. Class 42.
Sta-Fit Manufacturing Co., Bayonne, N. J. Tube expander adaptors. 426,236; Dec. 17. Class 23.
Stahl-Meyer, Inc., Brooklyn, N. Y. Canned meat. 426,142; Dec. 17; Serial No. 496,994; published Sept. 24, 1946. Class 46.
Staley, A. E., Manufacturing Company, Decatur, Ill. Corn sugar. 221,812; renewed Dec. 14, 1946. O. G. Dec. 17. Class 46.
Staley, A. E., Manufacturing Company, Decatur, Ill. Stock feed. 222,066; renewed Dec. 21, 1946. O. G. Dec. 17. Class 46.
Stolich, Peter A., doing business as Peter A. Stolich Co., Salinas, Calif. Fresh vegetables. 426,214; Dec. 17. Class 46.
Stolich, Peter A., Co.: *See*—
Stolich, Peter A.
Stratosol Corporation, New York, N. Y. Wastebaskets. 426,115; Dec. 17; Serial No. 492,803; published Oct. 1, 1946. Class 2.
Students' Magazines Inc., Chicago, Ill. Publication. 426,157; Dec. 17; Serial No. 490,737; published Sept. 24, 1946. Class 38.
Sussfeld, Lorsch & Schimmel, to Selsi Company, Inc., New York, N. Y. Telescopes and field glasses. 216,307; renewed Aug. 10, 1946. O. G. Dec. 17. Class 26.
Taunton Pearl Works, Taunton, Mass. Men's collar holders. 426,231; Dec. 17. Class 28.
Tausend, Felix, to Felix Tausend & Sons, New York, N. Y. Towels, wash coths, rugs, etc. 221,446; renewed Nov. 30, 1946. O. G. Dec. 17. Class 42.
Tausend, Felix, & Sons: *See*—
Tausend, Felix.
Taylor, Charles H., Springfield, Mass. Game. 426,111; Dec. 17; Serial No. 491,523; published Oct. 1, 1946. Class 22.
Taylor, James O., Tulsa, Okla. Loose popped corn, the popped kernels being coated by dipping in a cheese and honey solution. 426,148; Dec. 17; Serial No. 498,730; published Sept. 24, 1946. Class 46.
Taylor, Walter P., New York, N. Y. Scarfs and neckties. 215,844; renewed July 27, 1946. O. G. Dec. 17. Class 39.
Texas Company, The, Beaumont, Tex., to The Texas Company, New York, N. Y. Certain named petroleum products. 57,902; re-renewed Dec. 4, 1946. O. G. Dec. 17. Class 15.
Textile Mills, assignor to Textile Mills Company, Chicago, Ill. Ironing board pads and covers. 426,230; Dec. 17. Class 24.
Textile Mills Company: *See*—
Textile Mills.
Thomas Textile Service Co., Philadelphia, Pa. Collar canvas. 426,123; Dec. 17; Serial No. 493,700; published Sept. 24, 1946. Class 42.
Thomas Textile Service Co., Philadelphia, Pa. Collar canvas. 426,124; Dec. 17; Serial No. 493,703; published Sept. 24, 1946. Class 42.
Titan Valve and Manufacturing Company, The, Cleveland, Ohio. Thermostatic gas cut-off valves. 426,207; Dec. 17. Class 26.
Travel-Tol Company: *See*—
Gildner, Henry G.
Tru-Air Ultra Violet Products Company, Los Angeles, Calif. Germicidal lamps. 426,089; Dec. 17; Serial No. 485,895; published Sept. 24, 1946. Class 44.
Tru-Record Company, Kansas City, Mo. Appliances for employing heat and pressure for straightening phonograph records. 426,206; Dec. 17. Class 23.
Tubbs Cordage Company, San Francisco, Calif. Paper covered twine. 426,186; Dec. 17; Serial No. 504,944; published Oct. 8, 1946. Class 7.
Turner Halsey Co.: *See*—
National Fabric and Finishing Company.
Twin Trees Gardens, Inc., Lynbrook, N. Y. Flavoring extracts, herb seasoning, and pickle products, etc. 426,075; Dec. 17; Serial No. 468,054; published Jan. 29, 1946. Class 46.
UBC Distributors, Incorporated, Chicago, Ill. Canned dog food. 426,154; Dec. 17; Serial No. 499,673; published Sept. 24, 1946. Class 46.
Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 58,668; re-renewed Dec. 18, 1946. O. G. Dec. 17. Class 2.
Union Bag & Paper Corporation: *See*—
Union Bag & Paper Company, The.
United Engineering and Foundry Company, Pittsburgh, Pa. Rolling-mill rolls. 222,455; renewed Jan. 4, 1947. O. G. Dec. 17. Class 23.
United Sanitary Chemicals: *See*—
Schuster, Murray L.
United States Rubber Company: *See*—
Naugatuck Chemical Company, The.
Universal Water Softener Co. (Not Inc.): *See*—
Meyer, August A.
Vista Publishing Corporation, assignee: *See*—
Henry, Patrick, Publications, Inc.
Waples-Platter Company: *See*—
Waples-Platter Grocer Co.
Waples-Platter Grocer Co., to Waples-Platter Company, Fort Worth, Tex. China cups and saucers. 221,729; renewed Dec. 7, 1946. O. G. Dec. 17. Class 30.
Washington Manufacturing Co., Nashville, Tenn. Overalls and overall coats. 219,329; renewed Oct. 19, 1946. O. G. Dec. 17. Class 39.
Washington Manufacturing Co., Nashville, Tenn. Overall jumpers, work shirts, work pants, etc. 222,155; renewed Dec. 21, 1946. O. G. Dec. 17. Class 39.
Webster, F. S., Company: *See*—
Crescent Typewriter Supply Company.
Wehringer, Herman H., Upper Montclair, N. J. Reels for electric cord, cable, and other flexible linear material. 426,170; Dec. 17; Serial No. 502,092; published Sept. 24, 1946. Class 2.
Weisman, Sam L., New York, N. Y. Toys. 426,092; Dec. 17; Serial No. 487,489; published Sept. 24, 1946. Class 22.
Wells Manufacturing Company, Dayton, Ohio. Lawn sprinklers. 426,143; Dec. 17; Serial No. 496,999; published Sept. 24, 1946. Class 13.
West Coast Stained Shingle Co.: *See*—
Bailey, Phillip W.
Westerfield Pharmacal Co. Inc., Dayton, Ohio. Chemical test set for detecting albumin in urine. 426,109; Dec. 17; Serial No. 491,182; published Oct. 8, 1946. Class 44.
Westinghouse Electric Corporation, East Pittsburgh, Pa., and Baltimore, Md. Apparatus employed for the purpose of making radiographic and fluoroscopic diagnostic examinations. 426,197; Dec. 17; Serial No. 506,715; published Oct. 8, 1946. Class 44.
Williams, Harry M.: *See*—
Peates Music House, Incorporated.
Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., to Eureka Williams Corporation, Detroit, Mich. Liquid-fuel-burning devices. 222,211; renewed Dec. 28, 1946. O. G. Dec. 17. Class 34.
Winthrop Chemical Company, Inc.: *See*—
I. G. Farbenindustrie Aktiengesellschaft.
Wolf, J. F., Cranford, N. J. Folding tables. 426,112; Dec. 17; Serial No. 492,300; published Sept. 24, 1946. Class 32.
Wonder-Rest Corporation, Milwaukee, Wis. Mattresses. 426,118; Dec. 17; Serial No. 493,304; published Oct. 1, 1946. Class 32.
Wood, Roldo M., to Miller Freeman Publications of California, San Francisco, Calif. Monthly trade newspaper. 216,735; renewed Aug. 17, 1946. O. G. Dec. 17. Class 38.
Wostenholm, George, & Son, Limited, Sheffield, England, and New York, N. Y., to George Wostenholm & Son, Limited, Sheffield, England. Razors. 55,379; re-renewed Aug. 14, 1946. O. G. Dec. 17. Class 23.
Wyler & Company, Chicago, Ill. Dehydrated foods. 426,202; Dec. 17. Class 46.
Zarbin, Richard B., doing business as Pritikin Furniture Company, Chicago, Ill. Mattresses, pillows, box springs, etc. 426,169; Dec. 17; Serial No. 501,943; published Oct. 8, 1946. Class 32.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Briquettes, Coal and charcoal. Ford Motor Company. 222,321; renewed Dec. 28, 1946. O. G. Dec. 17.
Calf, Chrome-tanned. Beckwith & Hiteman Bros. 59,152; re-renewed Jan. 1, 1947. O. G. Dec. 17.
Leather. J. Greenebaum Tanning Co. 426,221; Dec. 17.
Leather, Shoe side upper. Griess-Pfleger Tanning Co. 426,114; Dec. 17; Serial No. 492,436; published Sept. 24, 1946.
Seeds, vegetable seeds, and grass seeds, Flower. Plymouth Wholesale Dry Goods Corporation. 426,096; Dec. 17; Serial No. 488,416; published Sept. 24, 1946.
Vulcanizable composition. J. M. Huber, Inc. 426,129; Dec. 17; Serial No. 495,385; published Sept. 24, 1946.

CLASS 2

Bags, Cotton picker. Fulton Bag & Cotton Mills. 426,205; Dec. 17.
Bags, Laundry. Baxter Laundries Corporation. 426,215; Dec. 17.
Bags, Paper. Southern Advance Bag & Paper Co., Inc. 426,190; Dec. 17; Serial No. 505,863; published Oct. 8, 1946.
Bags, Paper. Union Bag & Paper Company. 58,668; re-renewed Dec. 18, 1946. O. G. Dec. 17.
Boxes composed of cellulose acetate, Transparent. Paper Package Company. 426,135; Dec. 17; Serial No. 496,100; published Sept. 24, 1946.
Cups, Paper. Frank M. Sayford Co. Inc. 426,178; Dec. 17; Serial No. 503,760; published Oct. 1, 1946.
Receptacles, Molded Laminated. Duramold Aircraft Corporation. 426,106; Dec. 17; Serial No. 490,013; published Sept. 24, 1946.
Reels, clothes hampers, vacuum bottles, etc., Hose. Plymouth Wholesale Dry Goods Corporation. 426,097; Dec. 17; Serial No. 488,417; published Sept. 24, 1946.
Reels for electric cord, cable, and other flexible linear material. H. H. Wehringer. 426,170; Dec. 17; Serial No. 502,092; published Sept. 24, 1946.
Vaults and caskets, Burial. C. L. Berg. 426,098; Dec. 17; Serial No. 488,886; published Oct. 1, 1946.
Wastebaskets. Stratosol Corporation. 426,115; Dec. 17; Serial No. 492,803; published Oct. 1, 1946.

CLASS 3

Bags and cases, etc., Leather cosmetic kit. Consolidated Cosmetics. 426,119; Dec. 17; Serial No. 493,325; published Oct. 8, 1946.
Handbags, Ladies'. Jana Handbags, Inc. 426,194; Dec. 17; Serial No. 506,602; published Oct. 8, 1946.
Trunks, suitcases, valises, etc. A. Galewski & Sons, Inc. 426,088; Dec. 17; Serial No. 485,407; published Sept. 24, 1946.
Wallets and billfolds. Anglo-American Leathergoods Co., Inc. 426,177; Dec. 17; Serial No. 503,238; published Oct. 1, 1946.

CLASS 4

Cleaning and polishing preparation. Masury-Young Company. 222,349; renewed Dec. 28, 1946. O. G. Dec. 17.
Cleanser for white fabrics. Geo. E. Keith Company. 219,869; renewed Oct. 26, 1946. O. G. Dec. 17.
Compound in dry granulated form for all cleansing purposes. E. F. Houghton & Co. 222,255; renewed Dec. 28, 1946. O. G. Dec. 17.
Dry cleaning fluids. D. Blum & Co. 213,007; renewed May 18, 1946. O. G. Dec. 17.
Lubricant and dressing. J. E. Andrews. 426,228; Dec. 17.
Preparation for cleaning and polishing porcelain, and enameled surfaces and tile. M. L. Schuster. 426,208; Dec. 17.
Preparations for cleaning and polishing glass, hand cleaning soaps, metal polishes, etc. G. W. Onthank Company. 426,229; Dec. 17.

CLASS 6

Accelerators of the vulcanization of rubber and like materials. Naugatuck Chemical Company. 218,486; renewed Sept. 28, 1946. O. G. Dec. 17.
Ammonia, catsup, and sauce. E. Pritchard. 28,564; re-renewed July 7, 1946. O. G. Dec. 17.
Ammonium chlorid. Brunner, Mond & Co., Limited. 54,966; re-renewed Aug. 7, 1946. O. G. Dec. 17.
Composition for treating piles. W. F. Brockett. 221,019; renewed Nov. 23, 1946. O. G. Dec. 17.
Corn, bunion, and callus pads, Medicated. E. G. Cisle. 221,684; renewed Dec. 7, 1946. O. G. Dec. 17.
Cosmetics, Certain. Societe Nouvelle de Parfumerie, Societe Anonyme. 211,077; renewed Apr. 6, 1946. O. G. Dec. 17.
Lotions, perfumes, toilet waters, etc., Hand. Nelson, Baker & Company. 218,380; renewed Sept. 28, 1946. O. G. Dec. 17.
Medical preparation in pill form. James Cockle & Co. 54,990; re-renewed Aug. 7, 1946. O. G. Dec. 17.
Medicinal preparation. Plough Chemical Company. 221,336; renewed Nov. 30. 1946. O. G. Dec. 17.
Ointment for skin diseases. Kirby Chemical Company. 59,292; re-renewed Jan. 1, 1947. O. G. Dec. 17.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 222,269; renewed Dec. 28, 1946. O. G. Dec. 17.
Plasters and certain named medicines. Garfield Tea Co. 58,856; re-renewed Dec. 25, 1946. O. G. Dec. 17.
Preparation of pure Jamaica ginger combined with choice aromatic and genuine French brandy. Potter Drug & Chemical Corporation. 58,771; re-renewed Dec. 25, 1946. O. G. Dec. 17.
Preparations for the treatment of malaria. I. G. Farbenindustrie Aktiengesellschaft. 222,592; renewed Jan. 4, 1947. O. G. Dec. 17.
Remedy for corns, calli, and bunions. "Corn-Off" Co. 211,215; renewed Apr. 6, 1946. O. G. Dec. 17.
Remedy for influenza and grippe. Sydney Ross Co. 58,811; re-renewed Dec. 25, 1946. O. G. Dec. 17.
Softening material which is a manufactured mineral. A. A. Meyer. 222,612; renewed Jan. 4, 1947. O. G. Dec. 17.
Vegetable compound in liquid form. Plough Chemical Company. 221,424; renewed Nov. 30, 1946. O. G. Dec. 17.

CLASS 7

Twine, Florist's. Riverside & Dan River Cotton Mills, Inc. 426,166; Dec. 17; Serial No. 501,281; published Sept. 24, 1946.
Twine, Paper covered. Tubbs Cordage Company. 426,186; Dec. 17; Serial No. 504,944; published Oct. 8, 1946.

CLASS 8

Holders and pipes, Cigar and cigarette. Lektrolite Corporation. 426,227; Dec. 17.

CLASS 9

Explosive powder, including smokeless powder. Laflin & Rand Powder Company. 58,022; re-renewed Dec. 4, 1946. O. G. Dec. 17.
Gunpowder. Laflin & Rand Powder Company. 57,995; re-renewed Dec. 4, 1946. O. G. Dec. 17.

CLASS 11

Ink ribbons and carbon paper. Crescent Typewriter Supply Company. 216,199; renewed Aug. 3, 1946. O. G. Dec. 17.

CLASS 12

Shingles, Stained wood. P. W. Bailey. 426,174; Dec. 17; Serial No. 502,864; published Sept. 24, 1946.
Windows, combination screen and storm windows, and window screens, Storm. F. C. Russell Company. 426,199; Dec. 17.

CLASS 13

Fence posts, Metallic. Calumet Steel Company. 216,283; renewed Aug. 10, 1946. O. G. Dec. 17.
Sprinklers, Lawn. Wells Manufacturing Company. 426,143; Dec. 17; Serial No. 496,999; published Sept. 24, 1946.
Staples. Markwell Mfg. Co., Inc. 426,126; Dec. 17; Serial No. 494,566; published Sept. 24, 1946.
Tinware, and stamped, etc., sheet-metal ware, Pieced, and antirust. Geuder & Paeschke Manufacturing Company. 58,976; re-renewed Dec. 25, 1946. O. G. Dec. 17.

CLASS 14

Alloy, Zinc-base. New Jersey Zinc Company. 222,098; renewed Dec. 21, 1946. O. G. Dec. 17.

CLASS 15

Oils, Cutting. Quaker Chemical Products Corporation. 426,102; Dec. 17; Serial No. 489,531; published Sept. 3, 1946.
Petroleum products, Certain named. Texas Company. 57,902; re-renewed Dec. 4, 1946. O. G. Dec. 17.

CLASS 16

Cements, roof paint, waterproof deck paint, etc., Liquid and plastic roof. F. B. Happ. 221,272; renewed Nov. 23, 1946. O. G. Dec. 17.

CLASS 21

Automotive equipment and accessories. Laher Spring & Tire Corporation. 426,224; Dec. 17.
Lamps, Electric table. MacRay Lamp & Novelty Co., Inc. 426,216; Dec. 17.
Separators, Magnetic chip. Barnes Drill Co. 426,203; Dec. 17.
Signs, Electrical. Baldwin and Shackleton, Inc. 426,210; Dec. 17.
Telephone systems, Private. Intercall Systems, Inc. 426,223; Dec. 17.
Thermionic detector, amplifier, and oscillator tubes. E. T. Cunningham, Inc. 221,699; renewed Dec. 7, 1946. O. G. Dec. 17.

CLASS 22

Bats, Baseball. Hillerich & Bradsby Co. 219,845; renewed Oct. 26, 1946. O. G. Dec. 17.
Dolls. A. J. Lorenzen. 426,182; Dec. 17; Serial No. 504,869; published Oct. 1, 1946.
Fish bait, Artificial. J. J. Gill & Associates. 426,181; Dec. 17; Serial No. 504,267; published Oct. 8, 1946.
Fish baits, Artificial. G. M. Galloway. 426,180; Dec. 17; Serial No. 504,172; published Oct. 8, 1946.
Fishing lures. J. C. Kremer. 426,162; Dec. 17; Serial No. 499,954; published Oct. 1, 1946.
Game. C. H. Taylor. 426,111; Dec. 17; Serial No. 491,523; published Oct. 1, 1946.
Games. R. L. Santos. 426,189; Dec 17; Serial No. 505,862; published Oct. 8, 1946.
Golf balls. Gimbel Brothers, Inc. 426,179; Dec. 17; Serial No. 503,896; published Oct. 1, 1946.
Golf balls. I. D. Malbrough, Jr. 426,183–5; Dec. 17; Serial Nos. 504,914–16; published Sept. 24, 1946.
Poker chips. W. R. Jalof. 426,094; Dec. 17; Serial No. 488,222; published Oct. 1, 1946.
Shuttlecocks. Bancroft Racket Company. 426,176; Dec. 17; Serial No. 503,154; published Oct. 1, 1946.
Tennis court marking tape, All white non-fabric, lawn. R. Moore. 426,172; Dec. 17; Serial No. 502,761; published Oct. 8, 1946.
Toy gliders. Caldex Company. 426,198; Dec. 17; Serial No. 506,798; published Oct. 8, 1946.
Toy rattles and fabric covered stuffed toys. P. E. Allen. 426,077; Dec. 17; Serial No. 475,179; published Oct. 1, 1946.
Toy sewing machines. Artcraft Metal Products, Inc. 426,192; Dec. 17; Serial No. 506,573; published Oct. 8, 1946.
Toys. S. L. Weisman. 426,092; Dec. 17; Serial No. 487,489; published Sept. 24, 1946.

CLASS 23

Appliances for employing heat and pressure for straightening phonograph records. Tru-Records Company. 426,206; Dec. 17.
Expander adaptors, Tube. Sta-Fit Manufacturing Co. 426,236; Dec. 17.
Power-transmission machinery. Allis-Chalmers Manufacturing Company. 215,219; renewed July 13, 1946. O. G. Dec. 17.
Pumps, Hand-operated grease. Balerank, Inc. 426,220; Dec. 17.
Razors. George Wostenholm & Son, Limited. 55,379; re-renewed Aug. 14, 1946. O. G. Dec. 17.
Rolling-mill rolls. United Engineering and Foundry Company. 222,455; renewed Jan. 4, 1946. O. G. Dec. 17.
Safety razors. Shake Sharp Razor, Inc. 426,225; Dec. 17.
Trowels of all kinds. William Hunt & Sons, The Brades, Limited. 55,110–11; re-renewed Aug. 7, 1946. O. G. Dec. 17.

CLASS 24

Ironing board pads and covers. Textile Mills. 426,230; Dec. 17.
Washboards. American Washboard Company. 57,436; re-renewed Nov. 13, 1946. O. G. Dec. 17.
Washboards. American Washboard Company. 57,526; re-renewed Nov. 13, 1946. O. G. Dec. 17.

CLASS 25

Locks. Mosler Lock Company. 216,950; renewed Aug. 24, 1946. O. G. Dec. 17.

CLASS 26

Glass, Magnifying. E. J. Herbert. 426,087; Dec. 17; Serial No. 484,893; published Sept. 24, 1946.
Light-sensitized paper for producing diazotype prints of the type capable of development in ammonia gas. Frederick Post Company. 426,127; Dec. 17; Serial No. 495,023; published Sept. 24, 1946.
Measuring and control apparatus and instruments, Mechanical, pneumatic, hydraulic, and electrical. Askania Regulator Company. 426,201; Dec. 17.
Measuring apparatus in the nature of snap gauges and the like, Dimension. Micrometal Company. 426,084; Dec. 17; Serial No. 481,189; published Sept. 24, 1946.
Telescopes and field glasses. Susskeld, Lorsch & Schimmel. 216,307; renewed Aug. 10, 1946. O. G. Dec. 17.
Valves, Thermostatic gas cut-off. Titan Valve and Manufacturing Company. 426,207; Dec. 17.

CLASS 27

Watch cases. A. J. Lemieux. 426,213; Dec. 17.

CLASS 28

Collar holders, Men's. Taunton Pearl Works. 426,231; Dec. 17.
Jewelry, Certain named. B. A. Ballou & Company. 58,294; re-renewed Dec. 11, 1946. O. G. Dec. 17.

CLASS 30

Cups and saucers, China. Waples-Platter Grocer Co. 221,729; renewed Dec. 7, 1946. O. G. Dec. 17.

CLASS 32

Bed-rail extensions, box mattresses, and box springs. Long Boy Sleeping Equipment Co. 426,121; Dec. 17; Serial No. 493,501; published Oct. 1, 1946.
Cabinets, File. Aviation Office Supplies, Inc. 426,149; Dec. 17; Serial No. 499,102; published Sept. 24, 1946.
Chairs, Children's toilet. H. G. Gildner. 426,146; Dec. 17; Serial No. 497,662; published Oct. 8, 1946.
Chairs, seats, and office stands, etc. Harter Corporation. 426,191; Dec. 17; Serial No. 506,314; published Oct. 8, 1946.
Dressers, bureaus, highboys, etc. Mengel Company. 426,165; Dec. 17; Serial No. 500,683; published Oct. 8, 1946.
Furniture. Federal Machine and Welder Company, The. 426,137; Dec. 17; Serial No. 496,134; published Oct. 1, 1946.
Mattresses. Wonder-Rest Corporation. 426,118; Dec. 17; Serial No. 493,304; published Oct. 1, 1946.
Mattresses and sofa beds, studio couches, etc. Sealy, Incorporated. 426,168; Dec. 17; Serial No. 501,541; published Oct. 1, 1946.
Mattresses, pillows, box springs, etc. R. B. Zarbin. 426,169; Dec. 17; Serial No. 501,943; published Oct. 8, 1946.
Stools, Step. Edo Aircraft Corporation. 426,193; Dec. 17; Serial No. 506,585; published Oct. 8, 1946.
Tables, Folding. J. F. Wolf. 426,112; Dec. 17; Serial No. 492,300; published Sept. 24, 1946.

CLASS 33

Flatglass, plateglass, sheet glass, etc. Aktiebolaget Orrefors Glasbruk. 426,200; Dec. 17.
Glass tubing and rod. Corning Glass Works. 426,076; Dec. 17; Serial No. 468,440; published Sept. 24, 1946.
Tumblers, Glass. Albert Pick & Company. 220,558; renewed Nov. 9, 1946. O. G. Dec. 17.

CLASS 34

Fermentation rooms, bread coolers, dough room conditioners, etc., Dough. American Products Company. 426,237; Dec. 17.
Liquid-fuel-burning devices. Williams-Oil-O-Matic Heating Corporation. 222,211; renewed Dec. 28, 1946. O. G. Dec. 17.

CLASS 35

Frictional elements. American Brake Shoe Company. 426,175; Dec. 17; Serial No. 503,041; published Oct. 1, 1946.
Gaskets, Plastic metallic. Electric Steel Foundry. 426,108; Dec. 17; Serial No. 490,939; published Oct. 8, 1946.
Hose, distillate hose, tank wagon hose, etc., Gasoline. Lee Rubber & Tire Corporation. 426,214; Dec. 17; Serial No. 505,214; published Oct. 8, 1946.
Hose, Flexible all metal. Metallurgical Equipment Co., Inc. 426,196; Dec. 17; Serial No. 506,680; published Oct. 8, 1946.
Machinery shaft seals. Simplex Products Corporation. 426,110; Dec. 17; Serial No. 491,518; published Aug. 27, 1946.
Tires and inner tubes, Rubber. Gates Rubber Company. 222,305; renewed Dec. 28, 1946. O. G. Dec. 17.

CLASS 36

Banjos, banjo ukuleles, bows for violins, etc. Peates Music House. 216,745; renewed Aug. 17, 1946. O. G. Dec. 17.
Musical instruments, Stringed. M. E. Osburn. 426,120; Dec. 17; Serial No. 493,452; published Sept. 10, 1946.
Phonograph records, Mechanically grooved. C. A. Glenn. 426,101; Dec. 17; Serial No. 489,510; published Sept. 10, 1946.
Strings for musical instruments. Boosey & Hawkes Limited. 426,099; Dec. 17; Serial No. 488,887; published Sept. 24, 1946.

CLASS 37

Paper, box cover paper, cover papers, etc., Blotting. District of Columbia Paper Mills, Inc. 426,113; Dec. 17; Serial No. 492,315; published Sept. 24, 1946.
Paper, Kraft tray. Haas Brothers. 426,083; Dec. 17; Serial No. 479,230; published July 31, 1945.
Paper plant covers. F. G. Paxton. 426,080; Dec. 17; Serial No. 477,979; published Sept. 24, 1946.
Pencils and school tablets and toilet paper. Kansas City Wholesale Grocery Co. 222,148; renewed Dec. 21, 1946. O. G. Dec. 17.

CLASS 38

Badges, membership cards, printed charters, etc., Printed membership. Optimist International. 426,074; Dec. 17; Serial No. 461,023; published Sept. 24, 1946.
Cards, Greeting. Hall Brothers Incorporated. 426,160; Dec. 17; Serial No. 499,836; published Sept. 24, 1946.
Column or section in a periodical publication. Eastman Kodak Company. 426,117; Dec. 17; Serial No. 493,106; published Sept. 24, 1946.
Magazine. E. Lindsey. 426,095; Dec. 17; Serial No. 488,226; published Sept. 24, 1946.

Magazine. Quality Bakers of America. 218,632; renewed Sept. 28, 1946. O. G. Dec. 17.
Magazine, Bimonthly. Davies-Young Soap Company. 222,114; renewed Dec. 21, 1946. O. G. Dec. 17.
Magazine column. F-R Publishing Corporation. 426,116; Dec. 17; Serial No. 493,057; published Sept. 24, 1946.
Magazine, Monthly. Girl Scouts. 214,946; renewed July 6, 1946. O. G. Dec. 17.
Magazines. Patrick Henry Publications Inc. 426,151; Dec. 17; Serial No. 499,503; published Sept. 24, 1946.
Periodical. Premium Service Co. Inc. 426,156; Dec. 17; Serial No. 499,730; published Sept. 24, 1946.
Periodical, Comic cartoon. Clown Comics, Inc. 426,107; Dec. 17; Serial No. 490,578; published Sept. 24, 1946.
Periodical, Religious and educational. Beacon Press, Inc. 222,333; renewed Dec. 28, 1946. O. G. Dec. 17.
Photographs. Pictoriads. 426,158; Dec. 17; Serial No. 499,798; published Sept. 24, 1946.
Photographs, Mounted. Grant Photo Products, Inc. 426,125; Dec. 17; Serial No. 494,216; published Sept. 24, 1946.
Printed books. Bantam Books, Inc. 426,140; Dec. 17; Serial No. 496,599; published July 23, 1946.
Publication. Students' Magazines Inc. 426,157; Dec. 17; Serial No. 499,737; published Sept. 24, 1946.
Section, department or column in newspapers. Minneapolis Star Journal and Tribune Company. 426,161; Dec. 17; Serial No. 499,909; published Sept. 24, 1946.
Section in a weekly publication. Modern Plastics, Inc. 426,130; Dec. 17; Serial No. 495,753; published Sept. 24, 1946.
Trade newspaper, Monthly. R. M. Wood. 216,735; renewed Aug. 17, 1946. O. G. Dec. 17.

CLASS 39

Boots and shoes, rubber overshoes, etc., Rubber. Hood Rubber Company. 214,921–2; renewed July 6, 1946. O. G. Dec. 17.
Coats and suits, Ladies', misses', and junior misses'. Loeb & Hoch, Inc. 426,164; Dec. 17; Serial No. 500,096; published Sept. 24, 1946.
Coats, dresses, rompers, etc., Children's. R. H. Macy & Co., Inc. 217,614; renewed Sept. 7, 1946. O. G. Dec. 17.
Coats, dresses, rompers, etc., Children's. R. H. Macy & Co., Inc. 217,771; renewed Sept. 7, 1946. O. G. Dec. 17.
Coats, suits, dresses, and lingerie for women. R. H. Macy & Co., Inc. 218,056; renewed Sept. 21, 1946. O. G. Dec. 17.
Coats, vests, trousers, etc., for men, youths, and boys. L. Greif & Bro., Incorporated. 221,126; renewed Nov. 23, 1946. O. G. Dec. 17.
Corsets, brassières, and lingerie. R. H. Macy & Co., Inc. 217,627; renewed Sept. 28, 1946. O. G. Dec. 17.
Dresses, blouses, slacks, etc., Ladies', misses', junior misses', and girls'. A. S. Minchenberg. 426,163; Dec. 17; Serial No. 500,013; published Sept. 24, 1946.
Dresses, Girls'. Rosenau Brothers. 426,085; Dec. 17; Serial No. 482,258; published Sept. 24, 1946.
Dresses, suits, skirts, etc., Women's, misses', and juniors'. Rhea Manufacturing Company. 426,234; Dec. 17.
Gloves, Leather. National Glove Company, The. 221,870; renewed Dec. 14, 1946. O. G. Dec. 17.
Hosiery. National Textile Distributers Corporation. 222,221; renewed Dec. 28, 1946. O. G. Dec. 17.
Hosiery. Sapphire Hosiery Company. 426,136; Dec. 17; Serial No. 496,104; published Sept. 24, 1946.
Hosiery, Silk. Simon's Co. Inc. 222,331; renewed Dec. 28, 1946. O. G. Dec. 17.
Hosiery, slips, panties, etc., Ladies'. Kenosha Full Fashioned Mills, Inc. 426,153; Dec. 17; Serial No. 499,631; published Sept. 24, 1946.
Overall jumpers, work shirts, work pants, etc. Washington Manufacturing Co. 222,155; renewed Dec. 21, 1946. O. G. Dec. 17.
Overalls and overall coats. Washington Manufacturing Co. 219,329; renewed Oct. 19, 1946. O. G. Dec. 17.
Scarfs and neckties. W. P. Taylor. 215,844; renewed July 27, 1946. O. G. Dec. 17.
Skirts, blouses, outer shorts, etc., Girls' and women's. Koret of California, Inc. 426,131; Dec. 17; Serial No. 495,807; published Sept. 24, 1946.
Slacks, polo shirts, sport coats, etc. Emtee Slacks, Inc. 426,145; Dec. 17; Serial No. 497,378; published Sept. 24, 1946.

CLASS 40

Buttons and buckles. Dukay & Company, Inc. 426,233; Dec. 17.
Needles. Henry Milward & Sons, Limited. 55,243; re-renewed Aug. 7, 1946. O. G. Dec. 17.
Pads, Shoulder. Salem Products Corp. 426,132; Dec. 17; Serial No. 495,829; published Oct. 8, 1946.
Sachets, hair pins, bobby pins, etc. Consolidated Cosmetics. 426,144; Dec. 17; Serial No. 497,071; published Sept. 24, 1946.
Shields, Dress. Lorraine Manufacturing Company. 426,090; Dec. 17; Serial No. 486,049; published Sept. 3, 1946.
Shields, Dress. Rand Rubber Company. 426,147; Dec. 17; Serial No. 498,029; published Oct. 1, 1946.

CLASS 42

Canvas, Collar. Thomas Textile Service Co. 426,123; Dec. 17; Serial No. 493,700; published Sept. 24, 1946.
Canvas, Collar. Thomas Textile Service Co. 426,124; Dec. 17; Serial 493,703; published Sept. 24, 1946.
Cotton, piece goods. Sparton Mills. 222,555; renewed Jan. 4, 1947. O. G. Dec. 17.
Cotton, silk, artificial-silk, etc., piece goods. Marvlo Mills, Inc. 217,690; renewed Sept. 7, 1946. O. G. Dec. 17.
Cotton, silk, artificial silk, etc., piece goods. Marvlo Mills, Inc. 221,333; renewed Nov. 30, 1946. O. G. Dec. 17.
Cotton, silk, artificial-silk, wool, etc., piece goods. Marvlo Mills, Inc. 222,100; renewed Dec. 21, 1946. O. G. Dec. 17.
Curtains and curtain materials in the piece, Window. House Beautiful Curtain, Inc. 426,217–9; Dec. 17.
Fabrics, Grease resistant. S. T. Palay Textile Corporation. 426,104; Dec. 17; Serial No. 489,748; published Sept. 24, 1946.
Fabrics in the piece. A-Q Mills. 426,139; Dec. 17; Serial No. 496,494; published Sept. 24, 1946.
Nets, Hair. Jordan Marsh Company. 221,900; renewed Dec. 14, 1946. O. G. Dec. 17.
Piece goods. M. Lavinsky. 426,133; Dec. 17; Serial No. 495,975; published Sept. 24, 1946.
Piece goods, Certain named. National Fabric and Finishing Company. 221,219; renewed Nov. 23, 1946. O. G. Dec. 17.
Piece goods of cotton, linen, wool, etc. J. F. Andrews. 426,081; Dec. 17; Serial No. 478,737; published Sept. 24, 1946.
Rayon fabric in the piece. Roth Fabrics Corporation. 426,082; Dec. 17; Serial No. 479,214; published Sept. 24, 1946.
Rayon in the piece and knitted and woven silks, cotton, etc. Chopak Textile Company, Inc. 222,350; renewed Dec. 28, 1946. O. G. Dec. 17.
Rugs and carpets. Floor Covering Co. 426,091; Dec. 17; Serial No. 487,316; published Sept. 24, 1946.
Rugs, Cotton. Lawrence Products Co. 426,228; Dec. 17.
Rugs, Woven cotton. Callaway Mills. 426,138; Dec. 17; Serial No. 496,424; published Sept. 24, 1946.
Sheets, bedspreads, napkins, etc., Muslin. Hale Bros. Stores, Inc. 426,093; Dec. 17; Serial No. 487,944; published Sept. 24, 1946.
Textile fabrics. J. Richman & Company. 426,078; Dec. 17; Serial No. 477,528; published Sept. 24, 1946.
Textile fabrics in the piece. Barret Textile Corporation. 426,222; Dec. 17.
Towels, wash cloths, rugs, etc. F. Tausend. 221,446; renewed Nov. 30, 1946. O. G. Dec. 17.

CLASS 44

Apparatus employed for the purpose of making radiographic and fluoroscopic diagnostic examinations. Westinghouse Electric Corporation. 426,197; Dec. 17; Serial No. 506,715; published Oct. 8, 1946.
Applicators, Plastic. Southern California Plastic Company. 426,167; Dec. 17; Serial No. 501,289; published Oct. 1, 1946.
Chemical test set for detecting albumin in urine. Westerfield Pharmacal Co. Inc. 426,109; Dec. 17; Serial No. 491,182; published Oct. 8, 1946.
Frenum guides, circumcision clamps, surgical scissors, etc. J. A. Freel. 426,086; Dec. 17; Serial No. 484,680; published Oct. 1, 1946.
Lamps, Germicidal. Tru-Air Ultra Violet Products Company. 426,089; Dec. 17; Serial No. 485,895; published Sept. 24, 1946.
Manicure implements. C. J. Bates & Son. 426,171; Dec. 17; Serial No. 502,617; published Oct. 1, 1946.
Needles, Hypodermic. J. Bishop & Company Platinum Works. 426,188; Dec. 17; Serial No. 505,727; published Oct. 8, 1946.
Respirators, goggle respirators, sand-blast helmets, Nose and mouth, etc. Pumosan Safety Equipment Co. 217,429; renewed Aug. 31, 1946. O. G. Dec. 17.
Tampons and surgical dressings. H. C. Riordan. 426,173; Dec. 17; Serial No. 502,845; published Oct. 8, 1946.
Thermometers, Clinical. Becton, Dickinson & Co. 426,195; Dec. 17; Serial No. 506,634; published Oct. 8, 1946.

CLASS 46

Ammonia, catsup, and sauce. E. Pritchard. 28,564; re-renewed July 7, 1946. O. G. Dec. 17.
Batter mix. L. I. Fried. 426,235; Dec. 17.
Biscuits. Huntley & Palmers, Ltd. 55,267; re-renewed Aug. 14, 1946. O. G. Dec. 17.
Candies. Blue Hill Candy Co. 214,654; renewed June 29, 1946. O. G. Dec. 17.
Candies. Blue Hill Candy Co. 216,162; renewed Aug. 3, 1946. O. G. Dec. 17.
Canned corn, canned peaches, canned salmon, etc. Paxton & Gallagher Co. 222,347; renewed Dec. 28, 1946. O. G. Dec. 17.
Canned dog food. UBC Distributors, Incorporated. 426,154; Dec. 17; Serial No. 499,673; published Sept. 24, 1946.
Canned fruits. Central Processors and Briners. 426,122; Dec. 17; Serial No. 493,535; published Sept. 24, 1946.
Canned fruits and canned vegetables. R. R. Mack. 426,204; Dec. 17.

Canned meat. Stahl-Meyer, Inc. 426,142; Dec. 17; Serial No. 496,994; published Sept. 24, 1946.
Catchup, chili sauce, and relish. E. Pritchard, Inc. 222,352; renewed Dec. 28, 1946. O. G. Dec. 17.
Chewing-gum. American Chicle Co. 58,998; re-renewed Dec. 25, 1946. O. G. Dec. 17.
Chocolate and cocoa, Ground. D. Ghirardelli Co. 426,159; Dec. 17; Serial No. 499,834; published Sept. 24, 1946.
Cocoa, Hollandsche Cacao-En Chocoladefabrieken v/h Bensdorp & Co. 192,519; renewed Dec. 9, 1946. O. G. Dec. 17.
Cocoa, Hollandsche Cacao-En Chocoladefabrieken v/h Bensdorp & Co. 194,126; renewed Jan. 13, 1946. O. G. Dec. 17.
Corn, the popped kernels being coated by dipping in a cheese and honey solution, Loose popped. J. O. Taylor. 426,148; Dec. 17; Serial No. 498,730; published Sept. 24, 1946.
Dates, Fard. Hills Brothers Company. 220,342; renewed Nov. 9, 1946. O. G. Dec. 17.
Desserts, Gelatine. General Desserts Corporation. 426,105; Dec. 17; Serial No. 489,862; published Sept. 24, 1946.
Eggwhite preparation in powdered form. International Company. 221,414; renewed Nov. 30, 1946. O. G. Dec. 17.
Extracts, herb seasoning and pickle products, etc., Flavoring. Twin Trees Gardens, Inc. 426,075; Dec. 17; Serial No. 468,054; published Jan. 29, 1946.
Feed, Stock. A. E. Staley Manufacturing Company. 222,066; renewed Dec. 21, 1946. O. G. Dec. 17.
Flour, pastry maker flour, and bakers' cake flour, Bakers' bread. Ballard & Ballard Co. 426,150; Dec. 17; Serial No. 499,371; published Sept. 24, 1946.
Flour, Wheat. Bay State Milling Company. 426,128; Dec. 17; Serial No. 495,162; published Sept. 24, 1946.
Flour, Wheat. Colorado Milling & Elevator Co. 222,256–7; renewed Dec. 28, 1946. O. G. Dec. 17.
Flours and self-raising flours, and certain named cereal foods. H-O (Hornby's Oatmeal) Company. 58,643; re-renewed Dec. 18, 1946. O. G. Dec. 17.
Food, Dog. National Pet Foods, Inc. 426,100; Dec. 17; Serial No. 489,342; published Apr. 2, 1946.
Food products, Certain named. H. J. Heinz Company. 221,041; renewed Nov. 23, 1946. O. G. Dec. 17.
Foods, Dehydrated. Wyler & Company. 426,202; Dec. 17.
Fruit cake. Belmont Products Corporation. 426,209; Dec. 17.
Fruits, Fresh deciduous. B. B. Green. 221,756; renewed Dec. 7, 1946. O. G. Dec. 17.
Macaroni. Creamette Company. 216,574; renewed Aug. 17, 1946. O. G. Dec. 17.
Mince meat. Old Virginia Packing Company, Inc. 426,232; Dec. 17.
Mixture for use in minute quantities in the commercial manufacture of frozen confections. R. G. Moench & Co., Inc. 426,211; Dec. 17.
Molasses, syrup, and sorghum. New Orleans Coffee Co. Limt. 58,609; re-renewed Dec. 18, 1946. O. G. Dec. 17.
Molasses, syrup, and sorghum. New Orleans Coffee Co. Lmd. 58,656; re-renewed Dec. 18, 1946. O. G. Dec. 17.
Molasses, syrup, and sorghum. New Orleans Coffee Co. Lmtd. 58,657; re-renewed Dec. 18, 1946. O. G. Dec. 17.
Nut salads and crushed fruits in sirup, crushed nuts in sirup, etc. International Company. 220,721; renewed Nov. 16, 1946. O. G. Dec. 17.
Oleaginous compound constituting a shortening and a substitute for lard. South Texas Cotton Oil Company. 426,103; Dec. 17; Serial No. 489,616; published Sept. 24, 1946.
Popcorn, Raw. American Pop Corn Company. 426,155; Dec. 17; Serial No. 499,683; published Sept. 24, 1946.
Powder base for making imitation banana-flavored pudding. Improved Products Inc. 426,152; Dec. 17; Serial No. 499,628; published Sept. 24, 1946.
Relish. W. H. Gardner. 426,212; Dec. 17.
Sugar, Corn. A. E. Staley Manufacturing Company. 221,812; renewed Dec. 14, 1946. O. G. Dec. 17.
Teas. McCormick & Co., Incorporated. 58,984; re-renewed Dec. 25, 1946. O. G. Dec. 17.
Vegetables, Fresh. P. A. Stolich. 426,214; Dec. 17.
Worcestershire sauce, jellies, flavoring extracts, etc. E. Pritchard. 214,816; renewed July 6, 1946. O. G. Dec. 17.

CLASS 49

Cordial. Société Anonyme de la Distillerie de la Liqueur Bénédictine de L'Abbaye de Fécamp. 53,260; re-renewed May 29, 1946. O. G. Dec. 17.

CLASS 50

Covers, toaster covers, platter covers, etc., Bowl. B. Charnas. 426,079; Dec. 17; Serial No. 477,969; published Sept. 24, 1946.
Leather, Artificial. Willard Helburn, Inc. 426,134; Dec. 17; Serial No. 496,025; published Sept. 10, 1946.
Matrix, dry mats and flongs. Certified Dry Mat Corporation. 426,141; Dec. 17; Serial No. 496,949; published Sept. 10, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Berry, Frank, Corinth, Miss. Expansible chamber motor of the rotary abutment type. Re. 22,818; Dec. 17.
Kellogg Switchboard and Supply Company, assignee: *See*—
Saunders, Norman H.
Ridings, Garvice H., Summit, and R. J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile telegraph system and apparatus. Re. 22,819; Dec. 17.
Saunders, Norman H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. Re. 22,820; Dec. 17.
Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. Re. 22,821; Dec. 17.
Western Union Telegraph Company, The, assignee: *See*—
Ridings, Garvice H., and Wise.
Westinghouse Electric Corporation, assignee: *See*—
Snyder, Frederick D.
Wise, Raleigh J.: *See*—
Ridings, Garvice H., and Wise.

LIST OF DESIGN PATENTEES

Adams, Harry K., Spokane, Wash. Desk writing unit. 146,064; Dec. 17.
Aluminum Cooking Utensil Company, The, assignee: *See*—
Guild, Lurelle.
Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Toy helicopter. 146,065; Dec. 17.
Barnes, James F., assignor to Barnes & Reinecke, Chicago, Ill. Combination clock and radio. 146,066; Dec. 17.
Barnes & Reinecke, assignee: *See*—
Barnes, James F.
Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,067; Dec. 17.
Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,068; Dec. 17.
Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,069; Dec. 17.
Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,070; Dec. 17.
Baumgartner, Apollinaris, New York, N. Y. Liturgical fabric or similar article. 146,071; Dec. 17.
Bell Aircraft Corporation, assignee: *See*—
Bowers, Herbert L.
Bowers, Herbert L., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 146,072; Dec. 17.
Carr, Jasper B., Trucksville, assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa. Cooky. 146,073; Dec. 17.
Carr, Jasper B., Trucksville, assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa. Cooky. 146,074; Dec. 17.
Carr, Jasper B., Trucksville, assignor to J. B. Carr Biscuit Company, Wilkes-Barre, Pa. Cooky. 146,075; Dec. 17.
Carr, J. B., Biscuit Company, assignee: *See*—
Carr, Jasper B.
Dehmel, Richard C., Summit, N. J. Flight trainer hood. 146,076; Dec. 17.
Farley, Ella A., New York, N. Y. Handbag. 146,077; Dec. 17.
Gerity, James, Jr., Adrian, assignor, by mesne assignments, to Gerity-Michigan Die Casting Company, Detroit, Mich. Wall bracket. 146,078; Dec. 17.
Gerity-Michigan Die Casting Company, assignee: *See*—
Gerity, James, Jr.
Golden, Zelma, New York, N. Y. Dress. 146,079; Dec. 17.
Guild, Lurelle, Darien, Conn., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Chair. 146,080; Dec. 17.
Hiltenbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld Co., New York, N. Y. Handbag. 146,081; Dec. 17.
Hunau, Adolph, Los Angeles, Calif. Dental apparatus hand-piece or the like. 146,082; Dec. 17.
Ideal Novelty & Toy Co., assignee: *See*—
Baggott, Edmund W.
Jantzen Knitting Mills, assignee: *See*—
Wiechmann, Berté A.
Lerman, Ben, Chicago, Ill. Clock. 146,083; Dec. 17.
Lerman, Ben, Chicago, Ill. Clock. 146,084; Dec. 17.
Levin, Leon, New York, N. Y. Garment hanger. 146,085; Dec. 17.
MacCallum, Robert S., New York, N. Y. Display package for curtains. 146,086; Dec. 17.
Matuzoff, Batrisha, Hollywood, Calif. Display stand or similar article. 146,087; Dec. 17.
Renard, Jack D., Seattle, Wash. Serving stand. 146,088; Dec. 17.
Roe, Archie W., Rock Island, Ill. Cartridge belt link. 146,089; Dec. 17.
Rosenfeld, Harry Co., assignee: *See*—
Hiltenbrand, Frank X.
Walter, Anton, New York, N. Y. Embroidered fabric. 146,090; Dec. 17.
White, Murray, Boston, Mass. Textile fabric. 146,091; Dec. 17.
White, Murray, Boston, Mass. Textile fabric. 146,092; Dec. 17.
White, Murray, Boston, Mass. Textile fabric. 146,093; Dec. 17.
White, Murray, Boston, Mass. Textile fabric. 146,094; Dec. 17.
Wiechmann, Berté A., Portland, Oreg., assignor to Jantzen Knitting Mills. Sweater. 146,095; Dec. 17.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahamsen, Arne C., Brooklyn, N. Y. Wire rope twister. 2,412,795; Dec. 17.

Adelman, Arthur, Chesaning, Mich. Propellent charge holder. 2,412,593; Dec. 17.

Adlake Company, The, assignee: *See*—
Verhagen, Christian M.

Aerojet Engineering Corporation, assignee: *See*—
Large, Charles B., Zucrow, and Hirsch.

Affleck, David C., Hammond, Ind., assignor to Carnegie-Illinois Steel Corporation. Heat exchanger. 2,412,552; Dec. 17.

Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Goodhue, Lyle D.

Air Reduction Company, Incorporated, assignee: *See*—
Turner, Joseph M.

Alben, Frank L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Drive device. 2,412,853; Dec. 17.

Albi Chemical Corporation, assignee: *See*—
Jones, Grinnell, and Juda.

Albin, Frederick G., Los Angeles, Calif., assignor to Radio Corporation of America. High-frequency power generator. 2,412,553; Dec. 17.

Allen, A. S., assignee: *See*—
Maki, John G.

Allied Control Company, Inc., assignee: *See*—
Horman, John H.

American Aniline Products, Inc., assignee: *See*—
Steiger, Norbert.

American Cyanamid Company, assignee: *See*—
Davis, Arnold R.
Lacey, Harold T., and Brouillard.

American Perforator Company, The, assignee: *See*—
Nelson, Martin L., and Roberts.

Anchor Hocking Glass Corporation, assignee: *See*—
Stover, Harry E.

Anderson, Carl M., Corsicana, Tex., assignor, by mesne assignments, to Bethlehem Supply Compnay. Air-cooled hoisting drum. 2,412,706; Dec. 17.

Antonidis, James E., assignor to Master Machine & Tool Company, Chicago, Ill. Jig bushing. 2,412,504; Dec. 17.

Armington, Raymond Q., Shaker Heights, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Pulley cleaning construction. 2,412,554; Dec. 17.

Armstrong, George C., Wilkinsburg, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Thermostatic relay. 2,412,854; Dec. 17.

Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Sludge coking. 2,412,667; Dec. 17.

Askania Regulator Company, assignee: *See*—
McCracken, James D.

Atlas Powder Company, assignee: *See*—
Huyett, Daniel D., and Pollock.

Anten, Robert W., Jenkintown, and D. S. Herr, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Process of sorbing ions. 2,412,855; Dec. 17.

Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reaction of aromatic hydrocarbons with normally gaseous unsaturated hydrocarbons. 2,412,595; Dec. 17.

B-L Electric Manufacturing Company, assignee: *See*—
Peters, Carl E.

Badenhausen, Bayard, assignee: *See*—
Badenhausen, John P.

Badenhausen, John P., Philadelphia, Pa., assignor of one-half to B. Badenhausen. Steam generator. 2,412,856; Dec. 17.

Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,412,857; Dec. 17.

Baker, Benjamin P., Turtle Creek, and W. M. Leeds, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,412,858; Dec. 17.

Baker, Charles E., Oakland, Calif. Plate grapple. 2,412,555; Dec. 17.

Baker, David S., New York, N. Y. Method and apparatus of treating materials. 2,412,763; Dec. 17.

Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic body. 2,412,668; Dec. 17.

Barnes, Galen W., Indianapolis, Ind. Seat dressing tool. 2,412,859; Dec. 17.

Barnett, Harold M., Long Beach, Calif. Carotene extraction. 2,412,707; Dec. 17.

Bascom, Roger C., Port Clinton, Ohio, assignor to The Standard Products Corporation, Detroit, Mich. Window channel. 2,412,796; Dec. 17.

Baudry, René A., Wilkinsburg, and F. C. Rushing and J. C. Fink, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Mechanical shock apparatus. 2,412,860; Dec. 17.

Bauer, Hans F., and E. F. Glabe, Chicago, Ill., assignors, by mesne assignments, to Stein, Hall & Co., Inc. Inhibiting mold in dairy products. 2,412,596; Dec. 17.

Beadle, Doris L. H.: *See*—
Beadle, George W. and D. L. H.

Beadle, George W. and D. L. H., Snaresbrook, England. Catamenial device. 2,412,861; Dec. 17.

Beasley, Noah N., Pasadena, Calif. Sawhorse. 2,412,764; Dec. 17.

Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Pulse-echo position indicator. 2,412,669; Dec. 17.

Beech Aircraft Corporation, assignee: *See*—
Harmon, Ralph M.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Ganz, Albert G.
Gent, Edgar W.
Kindermann, Wilfred J., and Werring.
Mallina, Rudolph F.
Maithaner, William A.
Wilkerson, Jefferson R.

Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.

Bendix Aviation Corporation, assignee: *See*—
Johnston, James H.
Nardone, Romeo M.
Taylor, Myron L.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Fitch, Ellery R.

Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric power distribution system. 2,412,556; Dec. 17.

Bergstein, Frank D., trustee, assignee, et al.: *See*—
Bergstein, Samuel.

Bergstein, Robert M., trustee, assignee, et al.: *See*—
Bergstein, Samuel.

Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. and F. D. Bergstein, trustees. Hermetic bag and tube closures. 2,412,862; Dec. 17.

Berliner, Martin, assignor of fifty percent to R. I. N. Weingart, New York, N. Y. Machining metal. 2,412,797; Dec. 17.

Bethlehem Supply Company, assignee: *See*—
Anderson, Carl M.

Blackman, Smith A., Kirkwood, assignor to Gaylord Container Corporation, St. Louis, Mo. Multisided shipping container with automatically locking slip cover. 2,412,798; Dec. 17.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Lubricating oils. 2,412,557; Dec. 17.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Lubricating oils. 2,412,708; Dec. 17.

Blank, Joseph N., Newport, assignor to The Wadsworth Electric Manufacturing Company, Covington, Ky. Meter installation fixture. 2,412,558; Dec. 17.

Bliss, E. W., Company, assignee: *See*—
Crane, Edward V., and Kuhn.

Bolinger, John C., San Marino, and P. W. Prutzman, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Circulation and contacting of acid catalysts. 2,412,863; Dec. 17.

Bolsey, Jacques, New York, N. Y. Shutter actuating mechanisms. 2,412,559; Dec. 17.

Bolton, Frank L., Ithaca, N. Y. Production of salt brine. 2,412,560; Dec. 17.

Boston Woven Hose & Rubber Company, assignee: *See*—
Knowland, Thomas M.

Bowling, Robert T., assignor to Wood Briquettes, Inc., Lewiston, Idaho. Briquetting means. 2,412,709; Dec. 17.

Bowman, Kenneth K., and G. A. Kane, Scotia, N. Y., assignors to General Electric Company. Control system. 2,412,864; Dec. 17.

Bradley, William E., Swarthmore, assignor to Philco Corporation, Philadelphia, Pa. Superregenerative receiver quenching circuit. 2,412,710; Dec. 17.

Brady, James R., St. Louis, and A. Moskowitz, University City, assignors to Millus Shoe Company, St. Louis, Mo. Shoe and manufacturing the same. 2,412,865; Dec. 17.

Brandt, Weldon H.: *See*—
Seastone, John B., and Brandt.

Brecht, Winston A., Wilkinsburg, and C. Kerr, Jr., Edgewood, assignors to Westinghouse Electric Corporation, Pittsburgh, Pa. Double-end turbine locomotive. 2,412,866; Dec. 17.

Brewer, Nathaniel, Newton, assignor to Fischer & Porter Company, Hatboro, Pa. Stopcock. 2,412,597; Dec. 17.

Brewer, Thaddeus E., Crittenden County, Ark. Loading chute for pickup hay balers. 2,412,711; Dec. 17.

Bridgeport Fabrics, Inc., assignee: *See*—
Spraragen, Louis.

Briggs, Maynard R., and A. A. Macdonald, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Search system for radio locators. 2,412,867; Dec. 17.

British Celanese Limited, assignee: *See*—
Crawshaw, Harry.

Brouillard, Robert E.: *See*—
Lacey, Harold T., and Brouillard.

Brown, Cecil L., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic cracking of hydrocarbon oils. 2,412,868; Dec. 17.

Brown, Chester W., assignor to Line Material Company, Milwaukee, Wis. Assembling fuse links. 2,412,712; Dec. 17.

Brunner, Anton J., Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,412,671; Dec. 17.

Brush, Don D., Detroit, Mich. Track roller carriage. 2,412,598; Dec. 17.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Thiocyano alkyl ethers of endoethylene cyclopentanols. 2,412,799; Dec. 17.

Buddrus, Edward, and S. C. Carney, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovery of hydrocarbons. 2,412,765; Dec. 17.

Buell, Halsey W., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and manufacturing the same. 2,412,599; Dec. 17.

Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Catalysis of hydrocarbons by gel-type catalysts. 2,412,600; Dec. 17.

Burns, Charles R., West Reading, assignor to Vanity Fair Mills, Inc., Reading, Pa. Warp knit fabric and making the same. 2,412,869; Dec. 17.

Burrows, Lawton A.: *See*—
Huston, Frederick P., Burrows, and Lawson.

Burt, George H., Metairie, La., assignor to The Celotex Corporation, Chicago, Ill. Acoustical tile. 2,412,713; Dec. 17.

Buxton, Loran O., East Orange, assignor to National Oil Products Company, Harrison, N. J. Concentration of fat-soluble vitamins. 2,412,561; Dec. 17.

Buxton, Loran O., Newark, assignor to National Oil Products Company, Harrison, N. J. Producing vitamin concentrates. 2,412,766; Dec. 17.

Caesar, Julius, Humboldt, Tenn. Baseball game. 2,412,714; Dec. 17.

Calhoun, Evan A., Jesup, Iowa. Hitch. 2,412,672; Dec. 17.

California Research Corporation, assignee; *See*—
Miller, Robert J., and Rutherford.

Callahan, Charles F., Memphis, Tenn. Cotton chopper. 2,412,715; Dec. 17.

Campbell, Donald L.: *See*—
Schonberg, Jackson R., and Campbell.

Campbell, Harry C., Toledo, Ohio. Folding horse. 2,412,716; Dec. 17.

Carborundum Company, The, assignee: *See*—
Buell, Halsey W.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Affleck, David C.
Current, Farmer L.
Rendel, George H.

Carney, Samuel C.: *See*—
Buddrus, Edward, and Carney.

Carrington, Frank G., assignor to M. Kuniansky, Lynchburg, Va. Apparatus for casting annular articles. 2,412,601; Dec. 17.

Carroll, Clarence W., assignor to Eastman Kodak Company, Rochester, N. Y. Rotary shutter driver. 2,412,673; Dec. 17.

Carter Carburetor Corporation, assignee: *See*—
Luke, Oliver J.

Cary, Francis C.: *See*—
Hybinette, Sven E., and Cary.

Celotex Corporation, The, assignee: *See*—
Burt, George H.

Chambers, Leslie A., Drexel Hill, and H. K. Hartline, Media, assignors to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Electrophoresis apparatus. 2,412,602; Dec. 17.

Champlin, Walter B., Detroit, Mich. Surface layout gauge. 2,412,870; Dec. 17.

Chandler-Evans Corporation, assignee: *See*—
Curk, Ralph D.

Chicago Pneumatic Tool Company, assignee: *See*—
Tucker, Mana L.

Cities Service Oil Company, assignee: *See*—
Morgan, John D., and Levitt.
Morgan, John D., and Sullivan.
Workman, Arnold R.

Claesson, Per H. E.: *See*—
Rost, Helge F., Claesson, and Svensson.

Clark Controller Company, The, assignee: *See*—
Few, William.

Clark, Henry B., Elizabeth, N. J. Door operating apparatus. 2,412,871; Dec. 17.

Clark, Thomas C., Jr., Clayton, Mo., assignor to Supply Division, Inc., Robertson, Mo. Wall closure. 2,412,872; Dec. 17.

Cluett, Peabody & Company, Inc., assignee: *See*—
Pfeffer, Edward C., Jr., and Epelberg.

Colgate-Palmolive-Peet Company, assignee: *See*—
Potter, Dwight J.

Combustion Engineering Company, Inc., assignee: *See*—
Harlow, Walter F.

Commerce, United States of America, as represented by the Secretary of, assignee: *See*—
Hunter, Richard S.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Hall, Theodore P.
Kosek, Joseph A.

Continental Can Company, Inc., assignee: *See*—
Maier, Curtis E.

Continental-United Industries Co., Inc., assignee: *See*—
Snyder, Leland H.

Conzetti, Achille, Basel, and O. Schmid, Muttenz, near Basel, assignors to J. R. Geigy A. G., Basel, Switzerland. Preparing mordant triazol dyestuffs. 2,412,767; Dec. 17.

Cook, Martin L.: *See*—
Le Vesconte, Harold J., and Cook.

Cosley, John, North Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bottle holder. 2,412,873; Dec. 17.

Cotton, John E., Batesville, Miss. Electrode holder. 2,412,717; Dec. 17.

Crabtree, John I., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic fixing procedure and baths. 2,412,674; Dec. 17.

Craig, John W.: *See*—
Money, Roland H., and Craig.

Crane Co., assignee: *See*—
Vande Bogart, Leonard G., and Manuel.

Crane, Edward V., and K. A. Kuhn, assignors to E. W. Bliss Company, Brooklyn, N. Y. Flanging machine. 2,412,874; Dec. 17.

Crane, Franklin S., Montrose, Calif. Well pipe screwing device. 2,412,875; Dec. 17.

Crawshaw, Harry, assignor to British Celanese Limited, London, England. Fabric. 2,412,562; Dec. 17.

Crosley Corporation, The, assignee: *See*—
Money, Roland H., and Craig.

Crowley, John A., Jr.: *See*—
Simpson, Thomas P., Payne, and Crowley.

Curk, Ralph D., Dayton, Ohio, assignor to Chandler-Evans Corporation, South Meridan, Conn. Carburetor. 2,412,563; Dec. 17.

Current, Farmer L., South Charleston, W. Va., assignor to Carnegie-Illinois Steel Corporation. Heat measuring apparatus. 2,412,564; Dec. 17.

Curtis, Lucien B., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,412,800; Dec. 17.

Dally, Roy, F. H. Goldsmith, and D. J. Munroe, assignors to Webster Electric Company, Racine, Wis. Recorder. 2,412,718; Dec. 17.

Danforth, Joseph D., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of saturated hydrocarbons. 2,412,675; Dec. 17.

Dashew, Jacob, Baltimore, Md. Thread marking machine. 2,412,768; Dec. 17.

Dauphinais, Henry C., Valley City, N. Dak. Cover for tin cans. 2,412,603; Dec. 17.

Dausmann, Charles F., New Hyde Park, assignor to Premier Crystal Laboratories, Inc., New York, N. Y. Piezocrystal device of the sealed type. 2,412,719; Dec. 17.

Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. A diarylguanidine thiazole formaldehyde complex and making the same. 2,412,801; Dec. 17.

Davis, Roy S., Otsego, Mich. Egg cleaning machine. 2,412,565; Dec. 17.

De Bell, George W., Middle River, and T. C. Hill, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Turnbuckle fairing and lock. 2,412,566; Dec. 17.

De Coriolis, Ernest G., assignor to Surface Combustion Corporation, Toledo, Ohio. Carburizing one side only of relatively short tubular parts. 2,412,802; Dec. 17.

Deere & Company, assignee: *See*—
Silver, Walter H.

Distillers Company Limited, The, assignee: *See*—
Tuerck, Karl H. W., and Lichtenstein.

Dodd, Joseph C., Orlando, Fla. Paint bucket ladder bracket. 2,412,567; Dec. 17.

Dodge, Adiel Y., Rockford, Ill. One-way clutch and bearing. 2,412,803; Dec. 17.
Dolan, James P., Springfield, Mass. Switch apparatus. 2,412,604; Dec. 17.
Dolman, Clarence D., Wenatchee, Wash., assignor to Hercules Glue Company, Ltd. Spray compositions. 2,412,720; Dec. 17.
Donahue, John E., and L. W. Schrader, Elizabeth, N. J., assignors to Standard Oil Development Company. Supporting device for return headers. 2,412,568; Dec. 17.
Douglas Aircraft Company, Inc., assignee: *See*—
Klemperer, Wolfgang B., and Goldberg.
Drake, Alden M., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Adjusting device for lapping tools. 2,412,721; Dec. 17.
Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Speed adjusting mechanism. 2,412,605; Dec. 17.
Dubbe, Paul E., Los Angeles, Calif. Garment hanger. 2,412,606; Dec. 17.
Dugger, Dale A., Chicago, Ill. Taper gauge. 2,412,569; Dec. 17.
Dunajeff, Leonid A., Havre de Grace, Md. Synchronized motor control. 2,412,676; Dec. 17.
Du Pont, E. I., de Nemours & Company, assignee, et al.: *See*—
Huston, Frederick P., Burrows, and Lawson.
Dyer, John B., Syracuse, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Driving mechanism for domestic appliances. 2,412,722; Dec. 17.
Early, Paul F., New Carlisle, Ohio, assignor to Standard-Thomson Corporation. Retaining device. 2,412,804; Dec. 17.
Easterbrooks, Harold A., Providence, R. I. Pillow head cover. 2,412,769; Dec. 17.
Eastman Kodak Company, assignee: *See*—
Carroll, Clarence W.
Crabtree, John I., and Eaton.
Fuerst, Carl C.
Waugh, George P., and Kenyon.
Weisberger, Arnold, Kibler, and Young.
Eaton, George T.: *See*—
Crabtree, John I., and Eaton.
Edison, Thomas A., Incorporated, assignee: *See*—
Gardenier, Clyde B.
Edwards, Harry D.: *See*—
Kendall, John D., and Edwards.
Edwards, Roy E., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Wire brush for use in oil wells. 2,412,876; Dec. 17.
Eggenberger, Hans: *See*—
Von Allmen, Samuel, and Eggenberger.
Electric and Musical Industries, Ltd., assignee: *See*—
Klemperer, Otto E. H.
Electro-Physical Laboratories, Inc., assignee: *See*—
Traugott, Paul.
Elliott, Charles, Carthage, Mo. Pump. 2,412,723; Dec. 17.
Ender, Benjamin, assignor to P. S. Ender, Hokah, Minn. Material handling device. 2,412,570; Dec. 17.
Ender, Phyllis S., assignee: *See*—
Ender, Benjamin.
Epelberg, Jack: *See*—
Pfeffer, Edward C., Jr., and Epelberg.
Eppenbach, Edwin G., assignee: *See*—
Fisher, Leslie C., and Imshaug.
Eppenbach, Edwin G., Manhasset, and H. Imshaug, Flushing, N. Y.; said Imshang assignor to said Eppenbach. Adjustable mill unit. 2,42,677; Dec. 17.
Epstein, David W., Merchantville, N. J., assignor to Radio Corporation of America. Pulse-echo position indicator. 2,412,670; Dec. 17.
Esval, Orland E.: *See*—
Haskins, Robert, Jr., and Esval.
Euclid Road Machinery Co., The, assignee: *See*—
Armington, Raymond Q.
Evans, Eugene M., assignor of one-fifth to E. J. Tietjen, Jefferson City, Mo. Fluid motor. 2,412,877; Dec. 17.
Fallon, John, Smethwick, England. Conveyor mechanism for furnaces and other apparatus. 2,412,724; Dec. 17.
Farr, Henry V., Ferguson, Mo., and J. R. Ruhoff, Bronxville, N. Y., assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Ammonium thiosulfate. 2,412,607; Dec. 17.
Fenney, William N.: *See*—
Malin, Jay B., and Fenney.
Few, William, East Cleveland, assignor to The Clark Controller Company, Cleveland, Ohio. Electronic timing system. 2,412,571; Dec. 17.
Fields, Charles V.: *See*—
Marbury, Ralph E., and Fields.
Fink, John C.: *See*—
Baudry, René A., Rushing, and Fink.
Fischer, Eugene H., Derry, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cored ceramic article. 2,412,878; Dec. 17.
Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Chemical process. 2,412,879; Dec. 17.
Fischer & Porter Company, assignee: *See*—
Brewer, Nathaniel.
Fisher, Leslie C., Farmingdale, and H. Imshaug, Flushing, assignors to E. G. Eppenbach, Manhasset, N. Y. Metering mill. 2,412,680; Dec. 17.
Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,412,725; Dec. 17.
Fleck, Otto, Botha, Alberta, Canada. Preserving jar and top grinding device. 2,412,572; Dec. 17.
Flint Machinery Company, assignee: *See*—
Smith, Ralph W.
Food Machinery Corporation, assignee: *See*—
Kalmar, Arthur F.
Ford, John R., Narberth, Pa., assignor to Radio Corporation of America. Ultra high frequency oscillation. 2,412,805; Dec. 17.
Fraser, Walter G., Jr., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat exchange apparatus. 2,412,573; Dec. 17.
French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Universal mounting for road machine mold boards. 2,412,574; Dec. 17.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fluorine removal process. 2,412,726; Dec. 17.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Azeotropic distillation of butadiene and 2-butene. 2,412,880; Dec. 17.
Fridolph, Annette E., New York, N. Y. Combined header and supporting member. 2,412,608; Dec. 17.
Frosch, Alex, Houston, Tex., assignor to Standard Oil Development Company. Well logging. 2,412,575; Dec. 17.
Fuchs, Walter M., assignee: *See*—
Jahoda, Edward.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter blade opener. 2,412,681; Dec. 17.
Fulton, Wilbur C., Wilkinsburg, assignor to Westinghouse Electric Corporation, Pittsburgh, Pa. Control system. 2,412,881; Dec. 17.
Ganz, Albert G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-voltage transformer. 2,412,609; Dec. 17.
Gardenier, Clyde B., Belleville, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Trimethylene chlorbromide. 2,412,882; Dec. 17.
Gardner, Frank L.: *See*—
Vietas, Frank, and Gardner.
Gasard Patents Inc., assignee: *See*—
Gasser, Frank P.
Gasser, Frank P., Beverly Farms, Mass., assignor to Gasard Patents Inc., New York, N. Y. Starting switch. 2,412,883; Dec. 17.
Gaylord Container Corporation, assignee: *See*—
Blackman, Smith A.
Geigy, J. R., A. G., assignee: *See*—
Conzetti, Achille, and Schmid.
Gelatin Products Corporation, assignee: *See*—
Pike, Edwin F., and Shane.
General Electric Company, assignee: *See*—
Bowman, Kenneth K., and Kane.
Godet, Sidney.
Howard, Alan.
McArthur, Elmer D.
Mills, Erwin S., and Linsday.
Rice, Chester W.
Shores, Ronald B.
Warren, Glenn B.
Wieseman, Robert W.
General Motors Corporation, assignee: *See*—
Dyer, John B.
Smith, Jasper A.
General Spring Corporation, assignee: *See*—
Wood, Joseph K.
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Audible signaling device. 2,412,610; Dec. 17.
Giles, Delos C., Oil City, Pa. Spirally wound barrel closure. 2,412,576; Dec. 17.
Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Railway car wall. 2,412,806; Dec. 17.
Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Side wall for railway hopper cars. 2,412,807; Dec. 17.
Glabe, Elmer F.: *See*—
Bauer, Hans F., and Glabe.
Glennon, James B., U. S. Navy. Rising drifting mine. 2,412,770; Dec. 17.
Gloor, Walter E., New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del. Molding compositions and articles thereof. 2,412,611; Dec. 17.
Godet, Sidney, Schenectady, N. Y., assignor to General Electric Company. Directive radio system. 2,412,612; Dec. 17.
Goldberg, Sydney J.: *See*—
Klemperer, Wolfgang B., and Goldberg.
Golden State Company, Ltd., assignee: *See*—
Sharp, Paul F.
Goldman, Paul R., Andover, assignor to Plymold Corporation, Lawrence, Mass. Telescopic tubular plywood mast and making the same. 2,412,678; Dec. 17.
Goldsmith, Francis H.: *See*—
Daily, Roy, Goldsmith, and Munroe.

Goldsmith, Philip H., New Rochelle, N. Y. Making paper on cylinder mold type paper machines. 2,412,771; Dec. 17.
Goldstein, David D., Pittsburgh, Pa. Sandal. 2,412,808; Dec. 17.
Gomersall, John R., Elgin, and M. Ireland, near Elgin, assignors to McGraw Electric Company, Elgin, Ill. Automatic electric toaster compensator for variable voltage current supply. 2,412,727; Dec. 17.
Goodhue, Lyle D., Berwyn, Md., assignor to United States of America as represented by Claude R. Wickard, Secretary of Agriculture and his successors in office. Device for producing aerosols. 2,412,728; Dec. 17.
Goodman Manufacturing Company, assignee: *See*—
Sloane, William W.
Stoltz, Charles E.
Grabash, Peter J., Middletown, Pa. Airplane wheel turning device. 2,412,884; Dec. 17.
Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fluid medium storing and dispensing system. 2,412,613; Dec. 17.
Grubb, Henry M., and E. B. Tucker, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Preparation of organic sulfonates and sulfonyl chlorides. 2,412,679; Dec. 17.
Gulf Research & Development Company, assignee: *See*—
Muffly, Gary.
Hall, Theodore P., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Aircraft load handling system. 2,412,729; Dec. 17.
Halliburton Oil Well Cementing Company, assignee: *See*—
Edwards, Roy E.
Hamlin Metal Products Company, The, assignee: *See*—
Walklet, Mercer D.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electron discharge device generator. 2,412,772; Dec. 17.
Hansen, William W.: *See*—
Varian, Russell H., Hansen, and Woodyard.
Harlow, Walter F., Quarndon, England, assignor to Combustion Engineering Company, Inc., New York, N. Y. Corrosion reduction in heat exchangers. 2,412,809; Dec. 17.
Harman Equipment Company, assignee: *See*—
Harman, Gerald J.
Harman, Gerald J., Beverly Hills, Calif., assignor to Harman Equipment Company. Liquid dispensing apparatus. 2,412,577; Dec. 17.
Harmon, Ralph M., assignor to Beech Aircraft Corporation, Wichita, Kans. Shock absorber. 2,412,885; Dec. 17.
Harris, Frederic R., New York, N. Y. Dry dock pontoon construction. 2,412,578; Dec. 17.
Hartline, Haldan K.: *See*—
Chambers, Leslie A., and Hartline.
Haskins, Robert, Jr., Garden City, and O. E. Esval, Huntington, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscopic instrument. 2,412,614; Dec. 17.
Hasler A. G. Werke Für Telephonie und Präzisionsmechanik, assignee: *See*—
Ochsenbein, Walter.
Hauzvic, Zdenek J., Gary, Ind. Combination gas and liquid fuel burner. 2,412,579; Dec. 17.
Heckethorn, John E., Denver, Colo. Feeding and ejecting device for centerless grinders. 2,412,730; Dec. 17.
Heil Co., The, assignee: *See*—
French, Henry C.
Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of cyclopentene. 2,412,936; Dec. 17.
Hercules Glue Company, Ltd., assignee: *See*—
Dolman, Clarence D.
Hercules Powder Company, assignee: *See*—
Gloor, Walter E.
Stuart, Joseph H, and Wassen.
Herlihy, Walter P., Haverhill, Mass. Combined shoe counter and shankpiece. 2,412,773; Dec. 17.
Herr, Donald S.: *See*—
Auten, Robert W., and Herr.
Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Sweep or pulse generator. 2,412,682; Dec. 17.
Hewlett-Packard Company, assignee: *See*—
Packard, David, and Porter.
Hill, Thomas C.: *See*—
De Bell, George W., and Hill.
Hill, Thomas C., Parkville, assignor to The Glenn L. Martin Company, Middle River, Md. Swiveling fluid joint. 2,412,810; Dec. 17.
Hillard, Harry G. and C. J. Jaeger, Sr., Bayonne, N. J. Light-producing device. 2,412,684; Dec. 17.
Hirsch, Robert L.: *See*—
Large, Charles B., Zucrow, and Hirsch.
Hoffman, Charles M. E., Annapolis, Md. Condenser heated compartment. 2,412,774; Dec. 17.
Hoffman, Frederick C., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Stretch forming machine. 2,412,731; Dec. 17.
Hoffman, James A., Roselle, S. R. Oldham, West Orange, and W. J. Jacobsson, Plainfield, N. J., assignors to The Linde Air Products Company, New York, N. Y. Conduit coupling. 2,412,685; Dec. 17.
Holman, Emmette R., Pasadena, assignor to Turco Products, Inc., Los Angeles, Calif. Bubble blowing device. 2,412,732; Dec. 17.
Horman, John H., Tuckahoe, assignor, by mesne assignments, to Allied Control Company, Inc., New York, N. Y. Relay. 2,412,580; Dec. 17.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Drier drum. 2,412,733; Dec. 17.
Houdaille-Hershey Corporation, assignee: *See*—
Sandberg, Ray A.
Sebok, Joseph B.
Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Bladed machine element. 2,412,615; Dec. 17.
Hughes, Everett C.: *See*—
Burk, Robert E., and Hughes.
Hunter, Richard S., Franklin Park, Va., assignor to United States of America, as represented by the Secretary of Commerce. Signaling mirror. 2,412,616; Dec. 17.
Huston, Frederick P., Fanwood, and L. A. Burrows, Woodbury, N. J., and W. E. Lawson, Wilmington, Del.; said Huston assignor to The International Nickel Company, Inc., New York, N. Y.; said Burrows and Lawson assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Boiler construction and method of producing same. 2,412,886; Dec. 17.
Huston, Frederick P., Fanwood, and L. A. Burrows, Woodbury, N. J., and W. E. Lawson, Wilmington, Del.; said Huston assignor to The International Nickel Company, Inc., New York, N. Y.; said Burrows and said Lawson assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Staybolt. 2,412,887; Dec. 17.
Huyett, Daniel D., and F. S. Pollock, assignors to Atlas Powder Company, Wilmington, Del. Sheathing for explosives. 2,412,581; Dec. 17.
Hybinette, Sven E., and F. C. Cary, Wilmington, Del. Apparatus for producing or purifying metals or compounds. 2,412,582; Dec. 17.
Hyde, A. R., & Sons, assignee: *See*—
Vietas, Frank, and Gardner.
Ilford Limited, assignee: *See*—
Kendall, John D., and Edwards.
Iliffe, George, Llandaff, Cardiff, Wales. Piston ring. 2,412,734; Dec. 17.
Illinois Steel Corporation, assignee: *See*—
Urban, Stephen F.
Imshaug, Henry: *See*—
Eppenbach, Edwin G., and Imshaug.
Fisher, Leslie C., and Imshaug.
International Nickel Company, Inc., The, assignee, et al.: *See*—
Huston, Frederick P., Burrows, and Lawson.
Ireland, Murray: *See*—
Gomersall, John R., and Ireland.
Isaak, Albert F., Cedar Falls, Iowa. Garment hanger. 2,412,735; Dec. 17.
Ives, Herbert R.: *See*—
Lee, Thomas F., and Ives.
Ivy, Joe G., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,412,888; Dec. 17.
Jablin, Irving, Brooklyn, N. Y. Venetian blind. 2,412,583; Dec. 17.
Jacobsson, Wigot J.: *See*—
Hoffman, James A., Oldham, and Jacobsson.
Jaeger, Clinton J., Sr.: *See*—
Hillard, Harry G., and Jaeger.
Jahoda, Edward, assignor to W. M. Fuchs, Detroit, Mich. Printing process. 2,412,889; Dec. 17.
James, Harold V., Denver, Colo. Tire tube repair plate. 2,412,736; Dec. 17.
Jaques, John C., Denison, Tex. Portable saw. 2,412,704; Dec. 17.
Jaques, John C., Denison, Tex. Portable saw. 2,412,705; Dec. 17.
Jeffords, Leuell W., assignor to R. Jeffords, Chicago, Ill. Feed-water apparatus for boilers. 2,412,775; Dec. 17.
Jeffords, Roma, assignee: *See*—
Jeffords, Leuell W.
Jenkins, Howard, Arlington, Va. System of compass compensation. 2,412,617; Dec. 17.
Johnson, Almon A., Forest Hills, N. Y. Winch. 2,412,776; Dec. 17.
Johnson, Willis E.: *See*—
Whittier, Benjamin L., and Johnson.
Johnston, James H., Ridgefield Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile electric regulator. 2,412,811; Dec. 17.
Jones, Grinnell, and W. Juda, Cambridge, Mass., assignors to Albi Chemical Corporation, New York, N. Y. Preparation of metal amine salts. 2,412,890; Dec. 17.
Juda, Walter: *See*—
Jones, Grinnell, and Juda.
Kalmar, Arthur F., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Coating fruit. 2,412,686; Dec. 17.
Kane, Garold A.: *See*—
Bowman, Kenneth K., and Kane.
Kao, Chung-Chin, New York, N. Y. Chinese langauge typewriter and the like. 2,412,777; Dec. 17.

Karasik, Leo, New York, N. Y., assignor of fifty per cent to L. Milner, Chicago, Ill. Adjustable watch bracelet link. 2,412,812; Dec. 17.

Kautz, Frederick, Norwood, Pa. Framing elements. 2,412,618; Dec. 17.

Kebrich, Leonard M.: *See*—
Stewart, Alexander, Pitrot, and Kebrich.

Keller, Jakob, Zurich, Switzerland. Device for manufacturing thin-walled containers open at one end. 2,412,813; Dec. 17.

Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Beta-alkyl-thio acrolein mercaptals. 2,412,814; Dec. 17.

Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Dicarbocyanine dyes. 2,412,815; Dec. 17.

Kendall, John D., and H. D. Edwards, assignors to Ilford Limited, Ilford, England. Polymethine dyestuffs. 2,412,816; Dec. 17.

Kenyon, William O.: *See*—
Waugh, George P., and Kenyon.

Kercher, Arthur J., Berkeley, Calif. Heating unit and control. 2,412,737; Dec. 17.

Kerr, Charles, Jr.: *See*—
Brecht, Winston A., and Kerr.

Kibler, Charles J.: *See*—
Weissberger, Arnold, Kibler, and Young.

Kindermann, Wilfred J., Mount Vernon, and W. W. Werring, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for and method of making contoured electrical resistance cards. 2,412,619; Dec. 17.

Kipp, Calvin P., Douglaston, N. Y. Tacker. 2,412,620; Dec. 17.

Kirschbaum, Harry M., Detroit, Mich. Exhibiting instrument. 2,412,584; Dec. 17.

Klemperer, Otto E. H., Iver, England, assignor to Electric and Musical Industries, Ltd. Electron lens. 2,412,687; Dec. 17.

Klemperer, Wolfgang B., West Los Angeles, and S. J. Goldberg, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Sighting device. 2,412,585; Dec. 17.

Knowland, Thomas M., Belmont, assignor to Boston Woven Hose & Rubber Company, Boston, Mass. Grinding of rubber scrap. 2,412,586; Dec. 17.

Knowles, Frank W., Seattle, Wash. Heat transfer device. 2,412,621; Dec. 17.

Koppelman, Theodore, Scranton, Pa. Pants pocket construction. 2,412,622; Dec. 17.

Kosek, Joseph A., Fort Worth, Tex., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Suspension type flooring for aircraft. 2,412,778; Dec. 17.

Kralovic, Frank S., Parma, Ohio. Sewing appliance. 2,412,891; Dec. 17.

Krasik, Sidney, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra-high frequency control system. 2,412,892; Dec. 17.

Kuhn, Karl A.: *See*—
Crane, Edward V., and Kuhn.

Kunlansky, Max, assignee: *See*—
Carrington, Frank G.

Lacey, Harold T., Plainfield, and R. E. Brouillard, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Aminophthalimides. 2,412,817; Dec. 17.

Large, Charles B., Pasadena, M. J. Zucrow, Altadena, and R. L. Hirsch, Glendale, assignors to Aerojet Engineering Corporation, Azusa, Calif. Lubricant. 2,412,688; Dec. 17.

Larson, Elis L., Chicago, Ill. Cylinder liner. 2,412,587; Dec. 17.

Lauck, John A., South Euclid, assignor to Pesco Products Co., Cleveland, Ohio. Gear divider with pressure loaded bushings. 2,412,588; Dec. 17.

Lawson, Walter E.: *See*—
Huston, Frederick P., Burrows, and Lawson.

Lee, Frank H., Company, The, assignee: *See*—
Lee, Thomas F., and Ives.

Lee, Reuben, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse transformer. 2,412,893; Dec. 17.

Lee, Thomas F., and H. R. Ives, assignors to The Frank H. Lee Company, Danbury, Conn. Hatband cutting machine. 2,412,780; Dec. 17.

Leeds, Winthrop M.: *See*—
Baker, Benjamin P., and Leeds.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Railway car truck. 2,412,689; Dec. 17.

Leland Stanford Junior University, The Board of Trustees of the, assignee: *See*—
Varian, Russell H., Hansen, and Woodyard.

Leonard, Albert J., Los Angeles, Calif. Automatic lock. 2,412,779; Dec. 17.

Le Page, Wynn L.: *See*—
Platt, Haviland H., and Le Page.

Le Vesconte, Harold J., Western Springs, and M. L. Cook, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,412,894; Dec. 17.

Levitt, Percy B.: *See*—
Morgan, John D., and Levitt.

Lewis, Charles T., Oklahoma City, Okla. Line for safety belts. 2,412,895; Dec. 17.

Lichtenstein, Hans J.: *See*—
Tuerck, Karl H. W., and Lichtenstein.

Lieber, Eugene, West New Brighton, N. Y., assignor to Standard Oil Development Company. Condensation product and preparing and using same. 2,412,580; Dec. 17.

Linde Air Products Company, The, assignee: *See*—
Hoffman, James A., Oldham, and Jacobsson.

Line Material Company, assignee: *See*—
Brown, Chester W.

Linsday, Elton A.: *See*—
Mills, Erwin S., and Linsday.

Lockheed Aircraft Corporation, assignee: *See*—
Hoffman, Frederick C.

Loughlin, James F.: *See*—
Lovas, Joseph J., and Loughlin.

Lougovoy, Boris N., Jackson Heights, N. Y. An elastomer adapted for a chewing gum base. 2,412,590; Dec. 17.

Lovas, Joseph J., Ridgewood, and J. F. Loughlin, New York, N. Y. Separation of the components of a mixture of fatty acids and rosin acids. 2,412,818; Dec. 17.

Luce, Richard W., Southport, Conn. Threaded locking device. 2,412,896; Dec. 17.

Luke, Oliver J., assignor to Carter Carburetor Corporation, St. Louis, Mo. Coil winding device. 2,412,591; Dec. 17.

Macdonald, Angus A.: *See*—
Briggs, Maynard R., and Macdonald.

MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Detergent briquette. 2,412,819; Dec. 17.

MacNeill, John B., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,412,897; Dec. 17.

Magee, Robert C., Dayton, Ohio. Slide-rule pencil. 2,412,820; Dec. 17.

Maier, Curtis E., Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Varnish paper liner facing material. 2,412,592; Dec. 17.

Maki, John G., assignor of one-half to A. S. Allen, Hanna, Wyo. Hay feeder. 2,412,643; Dec. 17.

Maky, Walter: *See*—
Wolfram, John N., and Maky.

Malin, Jay B., Fishkill, and W. N. Fenney, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Internal-combustion engine. 2,412,821; Dec. 17.

Maling, Roy, West Roxbury, Mass. Footwear. 2,412,623; Dec. 17.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,412,624; Dec. 17.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,412,625; Dec. 17.

Mallinckrodt Chemical Works, assignee: *See*—
Farr, Henry V., and Ruhoff.

Malter, Louis, Newark, N. J., assignor to Radio Corporation of America. Photoelectric device. 2,412,822; Dec. 17.

Malthaner, William A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ice detecting system for aircraft. 2,412,626; Dec. 17.

Manuel, Robert W.: *See*—
Vande Bogart, Leonard G., and Manuel.

Marbury, Ralph E., Wilkinsburg, and C. V. Fields, Chalfant Borough, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Water-cooled capacitor. 2,412,898; Dec. 17.

Margolis, Michael, Newark, N. J. Composite shoe heel. 2,412,899; Dec. 17.

Martin, George W., Oakland, Calif. Tank flushing device. 2,412,738; Dec. 17.

Martin, Glenn L., Company, The, assignee: *See*—
De Bell, George W., and Hill.
Hill, Thomas C.

Master Machine & Tool Company, assignee: *See*—
Antonidis, James E.

Mathieson Alkali Works, Inc., The, assignee: *See*—
MacMahon, James D.

Mayer, Julius, Forest Hills, N. Y. Garment display form. 2,412,900; Dec. 17.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Furfural recovery. 2,412,823; Dec. 17.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Magnetron. 2,412,824; Dec. 17.

McCollum, Henry J. D., deceased, T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Jet propulsion apparatus. 2,412,825; Dec. 17.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.

McCoshen, Guy W., Orange, N. J. Triangle-octant. 2,412,901; Dec. 17.

McCracken, James D., assignor to Askania Regulator Company, Chicago, Ill. Apparatus for steam generator control. 2,412,739; Dec. 17.

McElvain, James W., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,412,902; Dec. 17.

McGowan, Eugene, New York, N. Y. Lifting clamp. 2,412,627; Dec. 17.

McGraw Electric Company, assignee: *See*—
Gomersall, John R., and Ireland.

McKeown, George H., Bedford Park, and H. Wissmiller, Wheaton, assignors, by mesne assignments, to Pullman Couch Company, Chicago, Ill. Sofa bed. 2,412,628; Dec. 17.

Mercer, William R.: *See*—
Sanders, Royden C., Jr., and Mercer.

Mesner, Max H., Collingswood, N. J., assignor to Radio Corporation of America. Exponential deflecting and centering circuits. 2,412,683; Dec. 17.

Milius Shoe Company, assignee: *See*—
Brady, James R., and Moskowitz.

Miller, Robert J., and J. T. Rutherford, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Compounded lubricating oil. 2,412,903; Dec. 17.

Mills, Erwin S., Cleveland Heights, and E. A. Linsday, Willoughby, Ohio, assignors to General Electric Company. Tubular lamp and holder therefor. 2,412,826; Dec. 17.

Milner, Leopold, assignee: *See*—
Karasik, Leo.

Miner, Alexander S., New York, N. Y. Producing whip. 2,412,629; Dec. 17.

Molins Machine Company, Limited, assignee: *See*—
Parry, Frank.

Money, Roland H., Mount Healthy, and J. W. Craig, Cincinnati, Ohio, assignors to The Crosley Corporation. Refrigerating apparatus. 2,412,904; Dec. 17.

Morgan, John D., South Orange, and P. B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y. Rate of rise-dive indicator. 2,412,740; Dec. 17.

Morgan, John D., South Orange, and A. P. Sullivan, Elizabeth, N. J., assignors to Cities Service Oil Company, New York, N. Y. Detecting free hydrogen in submarine atmospheres. 2,412,827; Dec. 17.

Morgan, William E., San Francisco, Calif. Head band terminal. 2,412,741; Dec. 17.

Moskowitz, Abram: *See*—
Brady, James R., and Moskowitz.

Motor Tool Manufacturing Company, assignee: *See*—
Ross, Walter F.

Mt. Vernon-Woodberry Mills, assignee: *See*—
Whittier, Benjamin L., and Johnson.

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Disturbing influence detecting element. 2,412,742; Dec. 17.

Muller, George W., Miami Beach, Fla. Rail joint. 2,412,743; Dec. 17.

Muller, John T., Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacturing coated articles. 2,412,644; Dec. 17.

Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,412,645; Dec. 17.

Munroe, David J.: *See*—
Dally, Roy, Goldsmith, and Munroe.

Naragon, Ernest A., Beacon, assignor to The Texas Company, New York, N. Y. Preparation of aromatic hydrocarbons from hydrocarbon mixtures. 2,412,828; Dec. 17.

Nardone, Romeo M., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starting mechanism. 2,412,829; Dec. 17.

National Carbon Company, Inc., assignee: *See*—
Williford, Edward A.

National Lead Company, assignee: *See*—
Stewart, Alexander, Pitrot, and Kebrich.

National Oil Products Company, assignee: *See*—
Buxton, Loran O.

Nelson, Homer B., U. S. Navy. Limited torque coupling. 2,412,630; Dec. 17.

Nelson, Martin L., Park Ridge, and A. M. Roberts, assignors to The American Perforator Company, Chicago, Ill. Check-endorsing and sorting machine. 2,412,830; Dec. 17.

Nelson, Ted, San Leandro, Calif. Insulation stud. 2,412,744; Dec. 17.

Nieuwenhuis, Henry, Kalamazoo, Mich. Perforate bulb-grading table, gyratory movement, with lateral impact. 2,412,905; Dec. 17.

Niles-Bement-Pond Company, assignee: *See*—
Drake, Alden M.

North American Manufacturing Company, The, assignee: *See*—
Sladky, Charles E.

Northrop Aircraft, Inc., assignee: *See*—
Northrop, John K., and Sears.

Northrop, John K., Los Angeles, and W. R. Sears, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Tailless aircraft. 2,412,646; Dec. 17.

Northrop, John K., Los Angeles, and W. R. Sears, Inglewood, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Aircraft. 2,412,647; Dec. 17.

Ochsenbein, Walter, assignor to Hasler A. G. Werke für Telephonie und Präzisionsmechanik, Bern, Switzerland. Ignition apparatus for internal-combusion engines. 2,412,690; Dec. 17.

Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Bennett, Charles E.

Oldham, Samuel R.: *See*—
Hoffman, James A., Oldham, and Jacobsson.

Olin Industries, Inc., assignee: *See*—
Williams, David M.

Owens, Jesse C., Los Angeles, Calif. Flush tank. 2,412,691; Dec. 17.

Owens, Roy A., Galveston, Tex. Pendulum vertical angle measuring instrument. 2,412,831; Dec. 17.

Packard, David, Palo Alto, and N. E. Porter, Berkeley, assignors to Hewlett-Packard Company, Palo Alto, Calif. Welding system. 2,412,745; Dec. 17.

Palmer, Robert T., Sharon, Mass. Wet bulb thermometer and thermostat. 2,412,782; Dec. 17.

Parker Appliance Company, The, assignee: *See*—
Wolfram, John N., and Maky.

Parker, Edward A., Redmond, Oreg. Rail torpedo fork. 2,412,746; Dec. 17.

Parr, William F., Suffolk, Va. Internal adjustable thread gauge. 2,412,781; Dec. 17.

Parry, Frank, Deptford, London S. E. 8, assignor to Molins Machine Company, Limited, Deptford, London, England. Machine for charging clips which form the links of cartridge belts. 2,412,747; Dec. 17.

Pascoo, Alex, New York, N. Y. Safety razor. 2,412,906; Dec. 17.

Payne, John W.: *See*—
Simpson, Thomas P., Payne, and Crowley.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system and apparatus for lamps. 2,412,907; Dec. 17.

Pesco Products Co., assignee: *See*—
Lauck, John A.

Peters, Carl E., assignor to B-L Electric Manufacturing Company, St. Louis, Mo. Forming selenium coated base plates. 2,412,692; Dec. 17.

Petrolite Corporation, Ltd., assignee: *See*—
Blair, Charles M., Jr.
Waterman, Logan C.

Pfeffer, Edward C., Jr., and J. Epelberg, assignors to Cluett, Peabody & Co., Troy, N. Y. Textile material and preparing it. 2,412,832; Dec. 17.

Philco Corporation, assignee: *See*—
Bradley, William E.

Phillips, Kenneth G., Los Angeles, Calif. Ring groove cleaner for pistons. 2,412,748; Dec. 17.

Phillips Petroleum Company, assignee: *See*—
Axe, William N.
Buddrus, Edward, and Carney.
Frey, Frederick E.
Hepp, Harold J.
Mayland, Bertrand J.

Pierson, Gordon G., Lansdale, Pa. Method and tape for joining plies. 2,412,693; Dec. 17.

Pike, Edwin F., and R. S. Shane, assignors, by mesne assignments, to Gelatin Products Corporation, Detroit, Mich. Preparing nicotinamide. 2,412,749; Dec. 17.

Pitrot, Adrian R.: *See*—
Stewart, Alexander, Pitrot, and Kebrich.

Platt, Haviland H., New York, N. Y., and W. L. Le Page, Ardmore, assignors to Rotary Research Corporation, Eddystone, Pa. Rotor blade. 2,412,908; Dec. 17.

Plymold Corporation, assignee: *See*—
Goldman, Paul R.

Pollock, Frank S.: *See*—
Huyett, Daniel D., and Pollock.

Poor, Fred M., Seattle, Wash. Refuse burning grate. 2,412,694; Dec. 17.

Porter, Noel E.: *See*—
Packard, David, and Porter.

Potomac Hydrocarbon Process Corporation, assignee: *See*—
Rose, James R.

Potter, Dwight J., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Organic compounds and preparing same. 2,412,909; Dec. 17.

Prager, Martin, Irvington, N. J. Bottle closure device. 2,412,833; Dec. 17.

Premier Crystal Laboratories, Inc., assignee: *See*—
Dausmann, Charles F.

Prutzman, Paul W.: *See*—
Bolinger, John C., and Prutzman.

Pullman Couch Company, assignee: *See*—
McKeown, George H., and Wissmiller.

R-B-M Manufacturing Company, assignee: *See*—
Webb, George L.

Radio Corporation of America, assignee: *See*—
Albin, Frederick G.
Bedford, Alda V.
Curtis, Lucien B.
Epstein, David W.
Ford, John R.
Hansell, Clarence W.
Hershberger, William D.
Malter, Louis.
Mesner, Max H.
Rose, George M., Jr.
Sadowsky, Meier.
Sanders, Royden C., Jr., and Mercer.
Sharp, Thomas C.
Thomas, Charles H.
Wolff, Irving.

Raitch, Alexander J., Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill. Chair seat support. 2,412,750; Dec. 17.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Read, Ernest K., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,412,934; Dec. 17.

Rendel, George H., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Automatic positioning and welding. 2,412,648; Dec. 17.

Research Developing Associates, Inc., assignee: *See*—
Svirsky, Bennett.

Resinous Products & Chemical Company, assignee: *See*—
Auten, Robert W., and Herr.
Bruson, Herman A.

Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. High-frequency apparatus. 2,412,631; Dec. 17.

Riethof, George, Mount Lebanon, Pa. Separating 3-picoline, 4-picoline, and 2,6-lutidine. 2,412,649; Dec. 17.

Riethof, George, Mount Lebanon, Pa. Separating 3-picoline, 4-picoline, and 2,6-lutidine. 2,412,650; Dec. 17.

Riethof, George, Mount Lebanon, Pa. Separating 3-picoline, 4-picoline, and 2,6-lutidine. 2,412,651; Dec. 17.

Roberts, Alfred M.: *See*—
Nelson, Martin L., and Roberts.

Roberts, Vivion K., Port Orchard, Wash. Hamper or bag support. 2,412,834; Dec. 17.

Robinson, James, assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,412,835; Dec. 17.

Rochester, Nathaniel, South Hamilton, assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical protective device. 2,412,751; Dec. 17.

Rose, George M., Jr., East Orange, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,412,836; Dec. 17.

Rose, James R., Arlington, Va., assignor to Potomac Hydrocarbon Process Corporation, Washington, D. C. Manufacture of liquid hydrocarbons suitable for motor fuel. 2,412,837; Dec. 17.

Rosenthal, Fritz, Indianapolis, Ind., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Processes relating to the production of board and the product resulting therefrom. 2,412,652; Dec. 17.

Ross, Walter F., Oakland County, assignor to Motor Tool Manufacturing Company, Detroit, Mich. Form tool generating fixture. 2,412,653; Dec. 17.

Rost, Helge F., Djursholm, P. H. E. Claesson, Jakobsberg, and R. A. Svensson, Angby, Sweden. Projectile. 2,412,695; Dec. 17.

Rotary Research Corporation, assignee: *See*—
Platt, Haviland H., and Le Page.

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Overhead door construction. 2,412,910; Dec. 17.

Rowe Manufacturing Company, assignee: *See*—
Rowe, Alvin V.

Ruhoff, John R.: *See*—
Farr, Henry V., and Ruhoff.

Rurak, Anthony, Springfield, Mass. Chisel. 2,412,783; Dec. 17.

Rushing, Frank C.: *See*—
Baudry, René A., Rushing, and Fink.

Rutherford, John T.: *See*—
Miller, Robert J., and Rutherford.

Sadowsky, Meier, New York, N. Y., assignor to Radio Corporation of America. Luminescent screen and manufacture. 2,412,654; Dec. 17.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Ignition and steering locking assembly. 2,412,752; Dec. 17.

Sanders, Royden C., Jr., and W. R. Mercer, Hightstown, N. J., assignors to Radio Corporation of America. Radio bomb release system. 2,412,632; Dec. 17.

Sandoz Ltd., assignee: *See*—
Von Allmen, Samuel, and Eggenberger.

Sargent & Company, assignee: *See*—
Voight, Henry G.

Scheeline, Harold W., Elizabeth, N. J., assignor to Standard Oil Development Company. Butadiene manufacture. 2,412,911; Dec. 17.

Schmid, Otto: *See*—
Conzetti, Achille, and Schmid.

Schmidt, Walter M., and D. K. Townsend, assignors to Western Precipitation Corporation, Los Angeles, Calif. Collecting electrode structure. 2,412,912; Dec. 17.

Schonberg, Jackson R., Westfield, and D. L. Campbell, Roselle Park, N. J., assignors to Standard Oil Development Company. Regeneration of cracking catalysts. 2,412,696; Dec. 17.

Schrader, Leo W.: *See*—
Donahue, John E., and Schrader.

Schrader, Leo W., Elizabeth, N. J., assignor to Standard Oil Development Company. High-temperature valve. 2,412,913; Dec. 17.

Schwartz, Murray L., assignor to Standard Oil Company, Chicago, Ill. Lubricants. 2,412,633; Dec. 17.

Schwartz, Murray L., assignor to Standard Oil Company, Chicago, Ill. Lubricant. 2,412,634; Dec. 17.

Sears, William R.: *See*—
Northrop, John K., and Sears.

Seastone, John B., Churchill Borough, and W. H. Brandt, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic core. 2,412,914; Dec. 17.

Sebok, Joseph B., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner. 2,412,753; Dec. 17.

Seng Company, The, assignee: *See*—
Raitch, Alexander J.

Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Pressure core barrel. 2,412,915; Dec. 17.

Shane, Robert S.: *See*—
Pike, Edwin F., and Shane.

Shannon, Earl H., Gary, Ind. Ignition device. 2,412,655; Dec. 17.

Sharp, Paul F., Piedmont, assignor to Golden State Company, Ltd., San Francisco, Calif. Producing dried milk powder. 2,412,635; Dec. 17.

Sharp, Thomas C., North Hollywood, Calif., assignor to Radio Corporation of America. Electric motor system. 2,412,656; Dec. 17.

Shores, Ronald B., Yeadon, Pa., assignor to General Electric Company. Shockproof mounting. 2,412,838; Dec. 17.

Short, Frank, Canton Center, Conn. Grenade fuse. 2,412,636; Dec. 17.

Showalter, Jere C., Goose Creek, Tex., assignor to Standard Oil Developing Company. Preparing petroleum sulfonates. 2,412,916; Dec. 17.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Hitch device. 2,412,754; Dec. 17.

Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic conversion. 2,412,917; Dec. 17.

Sladky, Charles E., Parma Heights, assignor to The North American Manufacturing Company, Cleveland, Ohio. Butterfly valve. 2,412,918; Dec. 17.

Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,412,919; Dec. 17.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Shuttle car. 2,412,755; Dec. 17.

Smith, Jasper A., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Spacing and positioning device for refrigerating apparatus. 2,412,756; Dec. 17.

Smith, John R., Cleveland, Ohio. Tool holding means for automatic screw machines. 2,412,757; Dec. 17.

Smith, Julius L., Jacksonville, Fla. Centrifugal pump primer. 2,412,839; Dec. 17.

Smith, Oliver R., Fort Worth, Tex. Apparatus for cleaning pipe and the like. 2,412,758; Dec. 17.

Smith, Ralph W., Detroit, assignor to Flint Machinery Company, Flint, Mich. Capsule filling device. 2,412,637; Dec. 17.

Snyder, Leland H., Lincolnwood, Ill., assignor, by mesne assignments, to Continental-United Industries Co., Inc., New York, N. Y. Eccentric-solenoid actuated sieve. 2,412,840; Dec. 17.

Sochaczewski, Stanislaw, London, England. Wheeled carrier. 2,412,697; Dec. 17.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Bolinger, John C., and Prutzman.
Simpson, Thomas P., Payne, and Crowley.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Cellulose derivative composition. 2,412,920; Dec. 17.

Spangler, Earl G., La Canada, Calif. Air and water separator for removing air or water mixed with hydrocarbons, comprising a cartridge containing a wadding of wooden shavings. 2,412,841; Dec. 17.

Sparks, William J., Cranford, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Insoluble heteropolymer of a mono-olefin and an unsaturated ether. 2,412,921; Dec. 17.

Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge cathode. 2,412,842; Dec. 17.

Sperry Gyroscope Company, Inc., assignee: *See*—
Haskins, Robert, Jr., and Esval.

Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Woven resistance unit. 2,412,843; Dec. 17.

Standard Car Truck Company, assignee: *See*—
Leese, Charles P.

Standard Oil Company, assignee: *See*—
Arveson, Maurice H.
Burk, Robert E., and Hughes.
Grubb, Henry M., and Tucker.
Schwartz, Murray L.

Standard Oil Development Company, assignee: *See*—
Brown, Cecil L.
Donahue, John E., and Schrader.
Fischer, Herbert G. M.
Frosch, Alex.
Lieber, Eugene.
Munday, John C.
Scheeline, Harold W.
Schonberg, Jackson R., and Campbell.
Schrader, Leo W.
Sewell, Benjamin W.
Showalter, Jere C.
Sparks, William J., and Thomas.

Standard Products Corporation, The, assignee: *See*—
Bascom, Roger C.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Gilpin, Garth G.

Standard-Thomson Corporation, assignee: *See*—
Early, Paul F.

Steiger, Norbert, Lock Haven, Pa., assignor to American Aniline Products, Inc., New York, N. Y. Sulphur dyestuffs. 2,412,922; Dec. 17.

Stein, Hall & Co., Inc., assignee: *See*—
Bauer, Hans F., and Glabe.

Sterling, Florence J., assignee: *See*—
Weber, Peter H.

Stevens, Arthur M., Methuen, Mass. Wool storage and transporting mechanism. 2,412,844; Dec. 17.

Stevens, Arthur M., Methuen, Mass. Grapple fork. 2,412,845; Dec. 17.

Stevenson Engineering Corporation, assignee: *See*—
Stevenson, Robert.

Stevenson, Robert, Providence, R. I., assignor to Stevenson Engineering Corporation. Variable pitch propeller. 2,412,923; Dec. 17.

Stewart, Alexander, Mountain Lakes, N. J., and A. R. Pitrot, Hempstead, and L. M. Kebrich, Brooklyn, assignors to National Lead Company, New York, N. Y. Lead phthalates and preparing same. 2,412,784; Dec. 17.

Stewart-Warner Corporation, assignee: *See*—
McCollum, Henry J. De N.
Whitted, John B.

Stoltz, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mine locomotive. 2,412,657; Dec. 17.

Stover, Harry E., Leonia, N. J., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for sealing containers. 2,412,924; Dec. 17.

Stuart, Joseph, II, and K. Wassen, assignors to Hercules Powder Company, Wilmington, Del. Charging mechanism. 2,412,658; Dec. 17.

Stupakoff Ceramic & Manufacturing Co., assignee: *See*—
Stupakoff, Semon H.

Stupakoff, Semon H., assignor to Stupakoff Ceramic & Manufacturing Co., Latrobe, Pa. Production of fused articles. 2,412,925; Dec. 17.

Sullivan, Alan P.: *See*—
Morgan, John D., and Sullivan.

Sullivan, Doris, San Francisco, Calif. Toy. 2,412,759; Dec. 17.

Supply Division, Inc., assignee: *See*—
Clark, Thomas C., Jr.

Surface Combustion Corporation, assignee: *See*—
De Coriolis, Ernest G.

Svensson, Rolf A.: *See*—
Rost, Helge F., Claesson, and Svensson.

Svirsky, Bennett, Glendale, Calif., assignor to Research Developing Associates, Inc., Holyoke, Mass. Water control for toilet tanks. 2,412,760; Dec. 17.

Swensen, Albert D., Washington, D. C. Rubber seal aging testing apparatus and method. 2,412,638; Dec. 17.

Sylvania Electric Products Inc., assignee: *See*—
Rochester, Nathaniel.

Tashjian, David R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. System for control of receiver reception by an associated transmitter. 2,412,935; Dec. 17.

Taylor, Myron L., Ridgewood, assignor to Bendix Aviation Corporation, Bendix, N. J, Supplying inflammable antifreeze fluids for use on aerofoil surfaces so as to prevent explosion of the fluid. 2,412,846; Dec. 17.

Texas Company, The, assignee: *See*—
Malin, Jay B., and Fenney.
Naragon, Ernest A.

Thomas, Charles H., Caldwell, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,412,659; Dec. 17.

Thomas, Robert M.: *See*—
Sparks, William J., and Thomas.

Thompson, Elvin A., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High voltage protective link. 2,412,926; Dec. 17.

Thorn, Richard N., West Concord, Minn. Wheel steering means for wagons and the like. 2,412,927; Dec. 17.

Tietjen, E. J., assignee: *See*—
Evans, Eugene M.

Toledo Scale Company, assignee: *See*—
Williams, Lawrence S.

Torricelli, Decio, Springfield, Mass. Septic tank. 2,412,785; Dec. 17.

Townsend, Donald K.: *See*—
Schmidt, Walter M., and Townsend.

Traugott, Paul, assignor to Electro-Physical Laboratories, Inc., New York, N. Y. Electrocardiograph. 2,412,639; Dec. 17.

Tucker, Elton B.: *See*—
Grubb, Henry M., and Tucker.

Tucker, Mana L., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Apparatus for centering shanks in casting diamond bits. 2,412,786; Dec. 17.

Tuerck, Karl H. W., Banstead, and H. J. Lichtenstein, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of acetoacetic esters and their homologues. 2,412,928; Dec. 17.

Turco Products, Inc., assignee: *See*—
Holman, Emmette R.

Tyrner, Joseph M., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gravity-feed arc-welding apparatus. 2,412,660; Dec. 17.

Union Special Machine Company, assignee: *See*—
Le Vesconte, Harold J., and Cook.

United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.

Universal Oil Products Company, assignee: *See*—
Danforth, Joseph D.

University of Pennsylvania, Trustees of, assignees: *See*—
Chambers, Leslie A., and Hartline.

University of Tennessee Research Corporation, assignee: *See*—
Rosenthal, Fritz.

Urban, Stephen F., Chicago, Ill., assignor to Illinois Steel Corporation. Making stainless steel. 2,412,661; Dec. 17.

Vande Bogart, Leonard G., and R. W. Manuel, assignors to Crane Co., Chicago, Ill. Lubricant. 2,412,929; Dec. 17.

Van der Horst Corporation of America, assignee: *See*—
Van der Horst, Hendrik.

Van der Horst, Hendrik, assignor to Van der Horst Corporation of America, Olean, N. Y. Chromium for wear resistance. 2,412,698; Dec. 17.

Vanity Fair Mills, Inc., assignee: *See*—
Burns, Charles R.

Van Tilburg, Noel, Minneapolis, Minn. Boot hanger. 2,412,847; Dec. 17.

Varian, Russell H., Wantagh, and W. W. Hansen and J. R. Woodyard, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Transmission line. 2,412,640; Dec. 17.

Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Jettisoning means for the escape panels of aircraft. 2,412,787; Dec. 17.

Vickers Incorporated, assignee: *See*—
Robinson, James.

Vietas, Frank, Bedford, and F. L. Gardner, Somerville, assignors to A. R. Hyde & Sons Company, Cambridge, Mass. Cleat assembly for athletic shoes. 2,412,788; Dec. 17.

Voight, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Unit lock. 2,412,789; Dec. 17.

Von Allmen, Samuel, and H. Eggenberger, Basel, assignors to Sandoz Ltd., Fribourg, Switzerland. Dyestuffs of the anthraquinone series and making same. 2,412,790; Dec. 17.

Wadsworth Electric Manufacturing Company, The, assignee: *See*—
Blank, Joseph N.

Walklet, Mercer D., assignor to The Hamlin Metal Products Company, Akron, Ohio. Machine for making rifling rings or the like. 2,412,930; Dec. 17.

Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Turbine-Generator. 2,412,848; Dec. 17.

Wassen, Kurt: *See*—
Stuart, Joseph, II, and Wassen.

Waterman, Logan C., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Purifying mineral oils. 2,412,791; Dec. 17.

Watson, Earl C.: *See*—
Wright, Ralph H., and Watson.

Watson, William, Ilford, England. X-ray apparatus. 2,412,662; Dec. 17.

Waugh, George P., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Wettable coating for vinylite sheeting. 2,412,699; Dec. 17.

Webb, George L., assignor to R-B-M Manufacturing Company, Logansport, Ind. Cutout relay. 2,412,792; Dec. 17.

Weber, Peter H., Milwaukee, Wis., assignor to F. J. Sterling, Chicago, Ill. Combined extension table and cabinet. 2,412,849; Dec. 17.

Webster Electric Company, assignee: *See*—
Dally, Roy, Goldsmith, and Munroe.

Weingart, Richard I. N., assignee: *See*—
Berliner, Martin.

Weissberger, Arnold, C. J. Kibler, and R. V. Young, assignors to Eastman Kodak Company, Rochester, N. Y. Thioglycolic amides. 2,412,700; Dec. 17.

Weissman, Eugene, Baltimore, Md. Pontoon structure for airplanes. 2,412,793; Dec. 17.

Werring, Walter W.: *See*—
Kindermann, Wilfred J., and Werring.

West, Charles P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switchgear apparatus. 2,412,931; Dec. 17.
Western Electric Company, Incorporated, assignee: *See*—
Bandur, Adolph F.
Brunner, Anton J.
Muller, John T.
Young, Roger W.
Western Precipitation Corporation, assignee: *See*—
Schmidt, Walter M., and Townsend.
Westinghouse Electric Corporation, assignee: *See*—
Albeu, Frank L.
Armstrong, George C.
Baker, Benjamin P.
Baker, Benjamin P., and Leeds.
Baudry, René A., Rushing, and Fink.
Brecht, Winston A., and Kerr.
Briggs, Maynard R., and Macdonald.
Cosley, John.
Fischer, Eugene H.
Fraser, Walter G., Jr.
Fulton, Wilbur C.
Ivy, Joe G.
Kmisik, Sidney.
Lee, Reuben.
MacNeill, John B.
Marbury, Ralph E., and Field.
McElvain, James W.
Pennow, Willis A.
Read, Ernest K.
Seastone, John B., and Brandt.
Slepian, Joseph.
Tashjian, David R.
Thompson, Elvin A.
West, Charles P.
Wright, Ralph H., and Watson.
White Cap Company, assignee: *See*—
White, William P.
White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Package and closure. 2,412,794; Dec. 17.
Whitted, John B., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Electric windshield wiper. 2,412,850; Dec. 17.
Whittier, Benjamin L., Ruxton, and W. E. Johnson, assignors to Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Spinning of cotton yarn. 2,412,641; Dec. 17.
Wiseman, Robert W., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine and making the same. 2,412,851; Dec. 17.
Wilkerson, Jefferson R., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic telegraph transmitter distributor. 2,412,642; Dec. 17.
Williams, David M., New Haven, Conn., assignor to Olin Industries, Inc. Cartridge-extracting mechanism for firearms. 2,412,663; Dec. 17.
Williams, John J., Bridgeport, Conn. Battery servicing. 2,412,932; Dec. 17.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Reduction camera. 2,412,761; Dec. 17.
Williford, Edward A., White Plains, N. Y., assignor to National Carbon Company, Inc. Brush for electrical machinery. 2,412,701; Dec. 17.
Wissmiller, Henry: *See*—
McKeown, George H., and Wissmiller.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Object detection and location. 2,412,702; Dec. 17.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Radio locator device. 2,412,703; Dec. 17.
Wolfram, John N., and W. Maky, assignors to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,412,664; Dec. 17.
Wood Briquettes, Inc., assignee: *See*—
Bowling, Robert T.
Wood, Joseph K., assignor to General Spring Corporation, New York, N. Y. Support device. 2,412,852; Dec. 17.
Woodward Governor Company, assignee: *See*—
Drake, George F.
Woodyard, John R.: *See*—
Varian, Russell H., Hansen, and Woodyard.
Workman, Arnold R., Malverne, assignor to Cities Service Oil Company, New York, N. Y. Manufacture of butadiene from propene and formaldehyde. 2,412,762; Dec. 17.
Wright, Ralph H., Edgewood, and E. C. Watson, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,412,933; Dec. 17.
Young, Richard V.: *See*—
Weissberger, Arnold, Kibler, and Young.
Young, Roger W., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring apparatus. 2,412,665; Dec. 17.
Zinn, Julius A., Jr., Belmont, Mass. Liquidproof fiberboard carton with bellows closure. 2,412,666; Dec. 17.
Zucrow, Maurice J.: *See*—
Large, Charles B., Zucrow, and Hirsch.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Control system. F. D. Snyder. Re. 22,821; Dec. 17.
Motor of the rotary abutment type, Expansible chamber. F. Berry. Re. 22,818; Dec. 17.
Telegraph system and apparatus, Facsimile. G. H. Riddings and R. J. Wise. Re. 22,819; Dec. 17.
Telephone system, Automatic. N. H. Saunders. Re. 22,820; Dec. 17.

LIST OF DESIGN INVENTIONS

Airplane. H. L. Bowers. 146,072; Dec. 17.
Bracket, Wall. J. Gerity, Jr. 146,078; Dec. 17.
Chair. L. Guild. 146,080; Dec. 17.
Clock. B. Lerman. 146,083–4; Dec. 17.
Clock and radio, Combination. J. F. Barnes. 146,066; Dec. 17.
Cooky. J. B. Carr. 146,073–5; Dec. 17.
Desk writing unit. H. K. Adams. 146,064; Dec. 17.
Dress Z. Golden. 146,079; Dec. 17.
Fabric, Embroidered. A. Walter. 146,090; Dec. 17.
Fabric or similar article, Liturgical. A. Baumgartner. 146,067–71; Dec. 17.
Fabric, Textile. M. White. 146,091–4; Dec. 17.
Handbag. F. X. Hil..nbrand. 146,081; Dec. 17.
Handbag. E. A. Farley. 146,077; Dec. 17
Hand-piece or the like, Dental apparatus. A. Hunan. 146,082; Dec. 17.
Hanger, Garment. L. Levin. 146,085; Dec. 17.
Hood, Flight trainer. R. C. Dehmel. 146,076; Dec. 17.
Link, Cartridge belt A. W. Roe. 146,089; Dec. 17.
Package for curtains, Display. R. S. MacCallum. 146,086; Dec. 17.
Stand or similar article, Display. B. Matuzoff. 146,087; Dec. 17.
Stand, Serving. J. D. Renard. 146,088; Dec. 17.
Sweater. B. A. Wiechmann. 146,095; Dec. 17.
Toy helicopter. E. W. Baggott. 146,065; Dec. 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and manufacture of the same. H. W. Buell. 2,412,599; Dec. 17.
Aceto-acetic esters and their homologues, Production of. K. H. W. Tuerck and H. J. Lichtenstein. 2,412,928; Dec. 17.
Acid catalysts, Circulation and contacting of. J. C. Bolinger and P. W. Prutzman. 2,412 863; Dec. 17.
Acids and rosin acids, Separation of the components of a mixture of fatty. J. J. Lovas and J. F. Loughlin. 2,412,818; Dec. 17.
Adjusting device for lapping tools. A. M. Drake. 2,412,721; Dec. 17.
Air cleaner. J. B. Sebok. 2,412,753; Dec. 17.
Aircraft. J. K. Northrop and W. R. Sears. 2,412,647; Dec. 17.
Aircraft load handling system. T. P. Hall. 2,412,729; Dec. 17.
Aircraft, Tailless. J. K. Northrop and W. R. Sears. 2,412,646; Dec. 17.
Airplane wheel turning device. P. J. Grabash. 2,412,884; Dec. 17.
Aminophthalimides. H. T. Lacey and R. E. Brouillard. 2,412,817; Dec. 17.
Ammonium thiosulfate. H. V. Farr and J. R. Ruhoff. 2,412,607; Dec. 17.
Apparatus for casting annular articles. F. G. Carrington. 2,412,601; Dec. 17.
Apparatus for centering shanks in casting diamond bits. M. L. Tucker. 2,412,786; Dec. 17.
Apparatus for cleaning pipe and the like. O. R. Smith. 2,412,758; Dec. 17.
Apparatus for producing or purifying metals or compounds. S. E. Hybinette and F. C. Cary. 2,412,582; Dec. 17.
Apparatus for sealing containers. H. E. Stover. 2,412,924; Dec. 17.
Apparatus for steam generator control J. D. McCracken. 2,412,739; Dec. 17.
Aromatic hydrocarbons from hydrocarbon mixtures. Preparation of. E. A. Naragon. 2,412,828; Dec. 17.
Aromatic hydrocarbons with normally gaseous unsaturated hydrocarbons, Reaction of. W. N. Axe. 2,412,595; Dec. 17.
Automatic electric toaster compensator for variable voltage current supply. J. R. Gomersall and M. Ireland. 2,412,727; Dec. 17.
Automatic lock. A. J. Leonard. 2,412,779; Dec. 17.
Automatic positioning and welding. G. H. Rendel. 2,412,648; Dec. 17.
Barrel, Pressure core. B. W. Sewell. 2,412,915; Dec. 17.
Battery servicing. J. J. Williams. 2,412,932; Dec. 17.
Bed, Sofa. G. H. McKeown and H. Wissmiller. 2,412,628; Dec. 17.
Beta-alkyl-thio acrolein mercaptals. J. D. Kendall and H. D. Edwards. 2,412,814; Dec. 17.
Blade, Rotor. H. H. Platt and W. L. Le Page. 2,412,908; Dec. 17.
Bladed machine element. A. Howard. 2,412,615; Dec. 17.
Blind, Venetian. I. Jablin. 2,412,583; Dec. 17.
Board and the product resulting therefrom, Process relating to the production of. F. Rosenthal. 2,412,652; Dec. 17.
Boiler construction and producing same. F. P. Huston, L. A. Burrows, and W. E. Lawson. 2,412,886; Dec. 17.
Boot hanger. N. Van Tilburg. 2,412,847; Dec. 17.
Bottle holder. J. Cosley. 2,412,873; Dec. 17.
Bracket: *See*—
Paint bucket ladder bracket.
Briquetting means. R. T. Bowling. 2 412,709; Dec. 17.
Brush for electrical machinery. E. A. Williford. 2,412,701; Dec. 17.
Brush for use in oil wells, Wire. R. E. Edwards. 2,412,876; Dec. 17.
Bubble blowing device. E. R. Holman. 2,412,732; Dec. 17.
Burner: *See*—
Combination gas and liquid fuel burner.
Butadiene and 2-butene, Azeotropic distillation of. F. E. Frey. 2,412,880; Dec. 17.
Butadiene from propene and formaldehyde, Manufacture of. A. R. Workman. 2,412,762; Dec. 17.
Butadiene manufacture. H. W. Scheeline. 2,412,911; Dec. 17.
Butterfly valve. C. E. Sladky. 2,412,918; Dec. 17.
Camera, Reduction. L. S. Williams. 2,412,761; Dec. 17.
Camera shutter blade opener. C. C. Fuerst. 2,412,681; Dec. 17.

Capacitor, Water-cooled. R. E. Marbury and C. V. Fields. 2,412,898; Dec. 17.
Capsule filling device. R. W. Smith. 2,412,637; Dec. 17.
Car: *See*—
Shuttle car.
Carbon pile electric regulator. J. H. Johnston. 2,412,811; Dec. 17.
Carburetor. R. D. Curk. 2,412,563; Dec. 17.
Carotene extraction. H. M. Barnett. 2,412,707; Dec. 17.
Carriage, Track roller. D. D. Brush. 2,412,598; Dec. 17.
Carrier: *See*—
Wheeled carrier.
Carton with bellows closure, Liquidproof fiberboard. J. A. Zinn, Jr. 2,412,666; Dec. 17.
Catalysts, Regeneration of cracking. J. R. Schonberg and D. L. Campbell. 2,412,696; Dec. 17.
Catalytic conversion. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,412,917; Dec. 17.
Catamenial device. G. W. and D. L. H. Beadle. 2,412,861; Dec. 17.
Cathode, Electronic discharge. P. L. Spencer. 2,412,842; Dec. 17.
Cellulose derivative composition. F. J. Soday. 2,412,920; Dec. 17.
Centrifugal pump primer. J. L. Smith. 2,412,839; Dec. 17.
Ceramic article, Cored. E. H. Fischer. 2,412,878; Dec. 17.
Chair seat support. A. J. Raitch. 2,412,750; Dec. 17.
Charging mechanism. J. Stuart, II, and K. Wassen. 2,412,658; Dec. 17.
Check-indorsing and sorting machine. M. L. Nelson and A. M. Roberts. 2,412,830; Dec. 17.
Chemical process. H. G. M. Fischer. 2,412,879; Dec. 17.
Chisel. A. Rurak. 2,412,783; Dec. 17.
Chopper, Cotton. C. F. Callahan. 2,412,715; Dec. 17.
Chromium for wear resistance. H. Van der Horst. 2,412,698; Dec. 17.
Chute for pickup hay balers, Loading. T. E. Brewer. 2,412,711; Dec. 17.
Circuit: *See*—
Superregenerative receiver quenching circuit.
Circuit interrupter. B. P. Baker. 2,412,857; Dec. 17.
Circuit interrupter. B. P. Baker and W. M. Leeds. 2,412,858; Dec. 17.
Circuit interrupter. J. B. MacNeill. 2,412,897; Dec. 17.
Circuit interrupter. J. Slepian. 2,412,919; Dec. 17.
Circuits, Exponential deflecting and centering. M. H. Mesner. 2,412,683; Dec. 17.
Clamp: *See*—
Lifting clamp.
Cleaner: *See*—
Air cleaner.
Cleaner for pistons, Ring groove. K. G. Phillips. 2,412,748; Dec. 17.
Cleat assembly for athletic shoes. F. Vietas and F. L. Gardner. 2,412,788; Dec. 17.
Closure device, Bottle. M. Prager. 2,412,833; Dec. 17.
Closure, Spirally wound barrel. D. C. Giles. 2,412,576; Dec. 17.
Closure, Wall. T. C. Clark, Jr. 2,412,872; Dec. 17.
Closures, Hermetic bag and tube. S. Bergstein. 2,412,862; Dec. 17.
Clutch and bearing, One-way. A. Y. Dodge. 2,412,803; Dec. 17.
Coated articles, Manufacturing. J. T. Muller. 2,412,644; Dec. 17.
Coil winding device. O. J. Luke. 2,412,591; Dec. 17.
Combination gas and liquid fuel burner. Z. J. Hauzvic. 2,412,579; Dec. 17.
Compass compensation, System of. H. Jenkins. 2,412,617; Dec. 17.
Condensation product and preparing and using the same. E. Lieber. 2,412,589; Dec. 17.
Condenser heated compartment. C. M. E. Hoffman. 2,412,774; Dec. 17.
Conduit coupling. J. A. Hoffman, S. R. Oldham, and W. J. Jacobsson. 2,412,685; Dec. 17.
Container with automatically locking slip cover, Multisided shipping. S. A. Blackman. 2,412,798; Dec. 17.
Control apparatus. E. K. Read. 2,412,934; Dec. 17.
Control system. K. K. Bowman and G. A. Kane. 2,412,864; Dec. 17.
Control system. W. C. Fulton. 2,412,881; Dec. 17.
Control system. J. G. Ivy. 2,412,888; Dec. 17.
Control system. R. H. Wright and E. C. Watson. 2,412,933; Dec. 17.

Control system and apparatus for lamps. W. A. Pennow. 2,412,907; Dec. 17.
Control system, Ultra high frequency. S. Krasik. 2,412,892; Dec. 17.
Conveyor mechanism for furnaces and other apparatus. J. Fallon. 2,412,724; Dec. 17.
Corrosion reduction in heat exchangers. W. F. Harlow. 2,412,809; Dec. 17.
Cotton yarn, Spinning of. B. L. Whittier and W. E. Johnson. 2,412,641; Dec. 17.
Coupling: *See*—
Conduit coupling. Limited torque coupling.
Coupling for tubes. J. N. Wolfram and W. Maky 2,412,664; Dec. 17.
Cover: *See*—
Pillow head cover.
Cover for tin cans. H. C. Dauphinais. 2,412,603; Dec. 17.
Cutting machine, Hatband. T. F. Lee and H. R. Ives. 2,412,780; Dec. 17.
Cyclopentene, Production of. H. J. Hepp. 2,412,936; Dec. 17.
Cylinder liner. E. L. Larson. 2,412,587; Dec. 17.
Detergent briquette. J. D. MacMahon. 2,412,819; Dec. 17.
Device for manufacturing thin-walled containers open at one end. J. Keller. 2,412,813; Dec. 17.
Device for producing aerosols. L. D. Goodhue. 2,412,728; Dec. 17.
Device for refrigerating apparatus, Spacing and positioning. J. A. Smith. 2,412,756; Dec. 17.
Device for return headers, Supporting. J. E. Donahue and L. W. Schrader. 2,412,568; Dec. 17.
Diarylguanidine thiazole formaldehyde complex and making the same. A. R. Davix. 2,412,801; Dec. 17.
Dicarbocyanine dyes. J. D. Kendall and H. D. Edwards. 2,412,815; Dec. 17.
Disturbing influence detecting element. G. Muffly. 2,412,742; Dec. 17.
Door operating apparatus. H. B. Clark. 2,412,871; Dec. 17.
Drive device. F. L. Alben. 2,412,853; Dec. 17.
Driving mechanism for domestic appliances. J. B. Dyer. 2,412,722; Dec. 17.
Drum, Drier. L. Hornbostel. 2,412,733; Dec. 17.
Dyestuffs of the anthraquinone series and making same. S. von Allmen, and H. Eggenberger. 2,412,790; Dec. 17.
Dynamoelectric machine. R. W. Wieseman. 2,412,851; Dec. 17.
Egg cleaning machine. R. S. Davis. 2,412,565; Dec. 17.
Elastomer adapted for a chewing gum base. B. N. Lougovoy. 2,412,590; Dec. 17.
Electric motor system. T. C. Sharp. 2,412,656; Dec. 17.
Electric power distribution system. C. E. Bennett. 2,412,556; Dec. 17.
Electrical apparatus. J. W. McElvain. 2,412,902; Dec. 17.
Electrical protective device. N. Rochester. 2,412,751; Dec. 17.
Electrical resistance cards, Apparatus for and method of making contoured. W. J. Kindermann and W. W. Werring. 2,412,619; Dec. 17.
Electrocardiograph. P. Traugott. 2,412,639; Dec. 17.
Electrode holder. J. E. Cotton. 2,412,717; Dec. 17.
Electrode structure, Collecting. W. M. Schmidt and D. K. Townsend. 2,412,912; Dec. 17.
Electron discharge device. L. B. Curtis. 2,412,800; Dec. 17.
Electron discharge device. G. M. Rose, Jr. 2,412,836; Dec. 17.
Electron discharge device. C. H. Thomas. 2,412,659; Dec. 17.
Electron discharge device generator. C. W. Hansell. 2,412,772; Dec. 17.
Electronic telegraph transmitter distributor. J. R. Wilkerson. 2,412,642; Dec. 17.
Electronic timing system. W. Few. 2,412,571; Dec. 17.
Electrophoresis apparatus. L. A. Chambers and H. K. Hartline. 2,412,602; Dec. 1.
Engine: *See*—
Internal-combustion engine.
Engine starting mechanism. R. M. Nardone. 2,412,829; Dec. 17.
Exhibiting instrument. H. M. Kirschbaum. 2,412,584; Dec. 17.
Fabric. H. Crawshaw. 2,412,562; Dec. 17.
Feed-water apparatus for boilers. L. W. Jeffords. 2,412,775; Dec. 17.
Feeder: *See*—
Hay feeder.
Feeding and ejecting device for centerless grinders. J. E. Heckethorn. 2,412,730; Dec. 17.
Fixture, Form tool generating. W. E. Ross. 2,412,653; Dec. 17.
Fixture, Meter installation. J. N. Blank. 2,412,558; Dec. 17.
Flanging machine. E. V. Crane and K. A. Kuhn. 2,412,874; Dec. 17.
Flooring for aircraft, Suspension type. J. A. Kosek. 2,412,778; Dec. 17.
Fluid medium storing and dispensing system. H. C. Grant, Jr. 2,412,613; Dec. 17.
Fluid motor. E. M. Evans. 2,412,877; Dec. 17.

Fluid pressure control mechanism. E. R. Fitch. 2,412,725; Dec. 17.
Fluids for use on aerofoil surfaces so as to prevent explosion of the fluid, Supplying inflammable antifreeze. M. L. Taylor. 2,412,846; Dec. 17.
Fluorine removal process. F. E. Frey. 2,412,726; Dec. 17.
Flush tank. J. C. Owens. 2,412,691; Dec. 17.
Flushing device, Tank. G. W. Martin. 2,412,738; Dec. 17.
Footwear. R. Maling. 2,412,623; Dec. 17.
Fork, Grapple. A. M. Stevens. 2,412,845; Dec. 17.
Fork, Rail torpedo. E. A. Parker. 2,412,746; Dec. 17.
Forming machine, Stretch. F. C. Hoffman. 2,412,731; Dec. 17.
Framing elements. F. Kautz. 2,412,618; Dec. 17.
Fruit, Coating. A. F. Kalmar. 2,412,686; Dec. 17.
Furfural recovery. B. J. Mayland. 2,412,823; Dec. 17.
Fuse links, Assembling. C. W. Brown. 2,412,712; Dec. 17.
Fused articles, Production of. S. H. Stupakoff. 2,412,925; Dec. 17.
Game, Baseball. J. Caesar. 2,412,714; Dec. 17.
Garment display form. J. Mayer. 2,412,900; Dec. 17.
Garment hanger. P. E. Dubbe. 2,412,606; Dec. 17.
Garment hanger. A. F. Isaak. 2,412,735; Dec. 17.
Gauge: *See*—
Internal adjustable thread gauge. Surface layout gauge.
Taper gauge.
Gear divider with pressure loaded bushings. J. A. Lauck. 2,412,588; Dec. 17.
Generator: *See*—
Electron discharge device generator. Sweep or pulse generator.
Turbine-generator.
High-frequency power generator. Ultra high frequency generator.
Steam generator.
Grate, Refuse burning. F. M. Poor. 2,412,694; Dec. 17.
Gravity-feed arc-welding apparatus. J. M. Tyrner 2,412,660; Dec. 17.
Grenade fuse. F. Short. 2,412,636; Dec. 17.
Gyroscopic instrument. R. Haskins, Jr., and O. E. Esval. 2,412,614; Dec. 17.
Hamper or bag support. V. K. Roberts. 2,412,834; Dec. 17.
Hanger: *See*—
Boot hanger. Garment hanger.
Hay feeder. J. G. Maki. 2,412,643; Dec. 17.
Header and supporting member, Combined. A. E. Fridolph. 2,412,608; Dec. 17.
Heat exchange apparatus. W. G. Fraser, Jr. 2,412,573; Dec. 17.
Heat exchanger. D. C. Affleck. 2,412,552; Dec. 17.
Heat transfer device. F. W. Knowles. 2,412,621; Dec. 17.
Heating unit and control. A. J. Kercher. 2,412,737; Dec. 17.
Heteropolymer of mono-olefin and an unsaturated ether, Insoluble. W. J. Sparks and R. M. Thomas. 2,412,921; Dec. 17.
High-frequency apparatus. C. W. Rice. 2,412,631; Dec. 17.
High-frequency power generator. F. G. Albin. 2,412,553; Dec. 17.
High-temperature valve. L. W. Schrader. 2,412,913; Dec. 17.
High voltage protective link. E. A. Thompson. 2,412,926; Dec. 17.
Hitch. E. A. Calhoun. 2,412,672; Dec. 17.
Hitch device. W. H. Silver. 2,412,754; Dec. 17.
Hoisting drum, Air-cooled. C. M. Anderson. 2,412,706; Dec. 17.
Holder: *See*—
Bottle holder. Propellent charge holder.
Electrode holder.
Horse, Folding. H. C. Campbell. 2,412,716; Dec. 17.
Hydrocarbon fluids, Treating. J. C. Munday. 2,412,645; Dec. 17.
Hydrocarbon oils, Catalytic cracking of. C. L. Brown. 2,412,868; Dec. 17.
Hydrocarbons by gel-type catalysts, Catalysis. R. E. Burk and E. C. Hughes. 2,412,600; Dec. 17.
Hydrocarbons, Isomerization of saturated. J. D. Danforth. 2,412,675; Dec. 17.
Hydrocarbons, Recovery of. E. Buddrus and S. C. Carney. 2,412,765; Dec. 17.
Hydrocarbons suitable for motor fuels, Manufacture of liquid. J. R. Rose. 2,412,837; Dec. 17.
Hydrogen in submarine atmospheres, Detecting free. J. D. Morgan and A. P. Sullivan. 2,412,827; Dec. 17.
Ignition apparatus for internal-combustion engines. W. Ochsenbein. 2,412,690; Dec. 17.
Ignition device. E. H. Shannon. 2,412,655; Dec. 17.
Indicator: *See*—
Pulse-echo position indicator. Rate of rise-dive indicator.
Internal adjustable thread gauge. W. F. Parr. 2,412,781; Dec. 17.
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Ions, Sorbing. R. W. Auten and D. S. Herr. 2,412,855; Dec. 17.
Jar and top grinding device, Preserving. O. Fleck. 2,412,572; Dec. 17.

Jet propulsion apparatus. H. J. D. McCollum. 2,412,825; Dec. 17.
Jettisoning means for the escape panels of aircraft. C. M. Verhagen. 2,412,787; Dec. 17.
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Rail joint. Swiveling fluid joint.
Knit fabric and making the same, Warp. C. R. Burns. 2,412,869; Dec. 17.
Lamp and holder therefor, Tubular. E. S. Mills and E. A. Linsday. 2,412,826; Dec. 17.
Lead phthalates and preparing same. A. Stewart, A. R. Pittot, and L. M. Rebrich. 2,412,784; Dec. 17.
Lens, Electron. O. E. H. Klemperer. 2,412,687; Dec. 17.
Lifting clamp. E. McGowan. 2,412,627; Dec. 17.
Light-producing device. H. G. Hillard and C. J. Jaeger, Sr. 2,412,684; Dec. 17.
Limited torque coupling. H. B. Nelson. 2,412,630; Dec. 17.
Line for safety belts. C. T. Lewis. 2,412,895; Dec. 17.
Liquid dispensing apparatus. G. J. Harman. 2,412,577; Dec. 17.
Lock: *See*—
Automatic lock. Unit lock.
Locking assembly, Ignition and steering. R. A. Sandberg. 2,412,752; Dec. 17.
Locomotive, Double-end turbine. W. A. Brecht and C. Kerr, Jr. 2,412,866; Dec. 17.
Locomotive, Mine. C. E. Stoltz. 2,412,657; Dec. 17.
Lubricant. C. B. Large, M. J. Zucrow, and R. L. Hirsch. 2,412,688; Dec. 17.
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Luminescent screen, and manufacture. M. Sadowsky. 2,412,654; Dec. 17.
Machine for charging clips which form the links of cartridge belts. P. Parry. 2,412,747; Dec. 17.
Machine for making rifling rings or the like. M. D. Walklet. 2,412,930; Dec. 17.
Magnetic body. A. F. Bandur. 2,412,668; Dec. 17.
Magnetic core. J. B. Seastone and W. H. Brandt. 2,412,914; Dec. 17.
Magnetron. E. D. McArthur. 2,412,824; Dec. 17.
Marking machine, Thread. J. Dashew. 2,412,768; Dec. 17.
Material handling device. B. Ender. 2,412,570; Dec. 17.
Measuring apparatus. R. W. Young. 2,412,665; Dec. 17.
Measuring apparatus, Heat. F. L. Current. 2,412,564; Dec. 17.
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Mechanical shock apparatus. R. A. Baudry, F. C. Rushing, and J. C. Fink. 2,412,860; Dec. 17.
Mechanism for firearms, Cartridge-extracting. D. M. Williams. 2,412,663; Dec. 17.
Metal ammine salts, Preparation of. G. Jones and W. Juda. 2,412,890; Dec. 17.
Metal, Method of machining. M. Berliner. 2,412,797; Dec. 17.
Metering mill. L. C. Fisher and H. Imshaug. 2,412,680; Dec. 17.
Milk powder, Producing dried. P. F. Sharp. 2,412,635; Dec. 17.
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Metering mill.
Mill unit, Adjustable. E. G. Eppenbach and H. Imshaug. 2,412,677; Dec. 17.
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Mineral oils, Purifying. L. C. Waterman. 2,412,791; Dec. 17.
Mirror, Signaling. R. S. Hunter. 2,412,616; Dec. 17.
Mold in dairy products, Inhibiting. H. F. Bauer and E. F. Glabe. 2,412,596; Dec. 17.
Molding apparatus. A. J. Brunner. 2,412,671; Dec. 17.
Molding compositions and articles therefor. W. E. Gloor. 2,412,611; Dec. 17.
Mordant triazol dyestuffs, Preparing. A. Conzetti and O. Schmid. 2,412,767; Dec. 17.
Motor: *See*—
Fluid motor.
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Mounting: *See*—
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Mounting for road machine mold boards, Universal. H. C. French. 2,412,574; Dec. 17.
Nicotinamide, Preparing. E. F. Pike and R. S. Shane. 2,412,749; Dec. 17.
Object detection and location. I. Wolff. 2,412,702; Dec. 17.
Oil, Compounded lubricating. R. J. Miller and J. T. Rutherford. 2,412,902; Dec. 17.
Oils, Lubricating. C. M. Blair, Jr. 2,412,557; Dec. 17.
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Organic compounds and preparing same. D. J. Potter. 2,412,909; Dec. 17.
Overhead door construction. A. V. Rowe. 2,412,910; Dec. 17.
Package and closure. W. P. White. 2,412,794; Dec. 17.
Paint bucket ladder bracket. J. C. Dodd. 2,412,567; Dec. 17.
Pants pocket construction. T. Koppelman. 2,412,622; Dec. 17.
Paper on cylinder mold type paper machines, Making. P. H. Goldsmith. 2,412,771; Dec. 17.
Pencil, Slide-rule. R. C. Magee. 2,412,820; Dec. 17.
Petroleum sulfonates, Preparing. J. C. Showalter. 2,412,916; Dec. 17.
Photoelectric device. L. Malter. 2,412,822; Dec. 17.
Photographic fixing procedure and baths. J. I. Crabtree and G. T. Eaton. 2,412,674; Dec. 17.
Piezocrystal device of the sealed type. C. F. Dausmann. 2,412,719; Dec. 17.
Pillow head cover. H. A. Easterbrooks. 2,412,769; Dec. 17.
Piston ring. G. Iliffe. 2,412,734; Dec. 17.
Plate grapple. C. E. Baker. 2,412,555; Dec. 17.
Plate, Tire tube repair. H. V. James. 2,412,736; Dec. 17.
Polemethine dyestuffs. J. D. Kendall and H. D. Edwards. 2,412,816; Dec. 17.
Pontoon construction, Dry dock. F. R. Harris. 2,412,578; Dec. 17.
Pontoon structure for airplanes. E. Weissman. 2,412,793; Dec. 17.
Power transmission. J. Robinson. 2,412,835; Dec. 17.
Printing process. E. Jahoda. 2,412,889; Dec. 17.
Projectile. H. F. Rost, P. H. E. Claesson, and R. A. Svensson. 2,412,695; Dec. 17.
Propellent charge holder. A. Adelman. 2,412,593; Dec. 17.
Propeller, Variable pitch. R. Stevenson. 2,412,923; Dec. 17.
Pulley cleaning construction. R. Q. Armington. 2,412,554; Dec. 17.
Pulse-echo position indicator. A. V. Bedford. 2,412,669; Dec. 17.
Pulse-echo position indicator. D. W. Epstein. 2,412,670; Dec. 17.
Pump. C. Elliott. 2,412,723; Dec. 17.
Radio bomb release system. R. C. Sanders, Jr., and W. R. Mercer. 2,412,632; Dec. 17.
Radio locator device. I. Wolff. 2,412,703; Dec. 17.
Radio system, Directive. S. Godet. 2,412,612; Dec. 17.
Rail joint. G. W. Muller. 2,412,743; Dec. 17.
Railway car wall. G. G. Gilpin. 2,412,806; Dec. 17.
Rate of rise-dive indicator. J. D. Morgan and P. B. Levitt. 2,412,740; Dec. 17.
Razor Safety. A. Pascoo. 2,412,906; Dec. 17.
Recorder. R. Dally, F. H. Goldsmith, and D. J. Munroe. 2,412,718; Dec. 17.
Refrigerating apparatus. R. H. Money and J. W. Craig. 2,412,904; Dec. 17.
Regulator: *See*—
Carbon pile electric regulator.
Relay. J. H. Horman. 2,412,580; Dec. 17.
Relay, Cutout. G. L. Webb. 2,412,792; Dec. 17.
Retaining device. P. F. Early. 2,412,804; Dec. 17.
Ring: *See*—
Piston ring.
Rotary shutter drive. C. W. Carroll. 2,412,673; Dec. 17.
Rubber scrap, Grinding of. T. M. Knowland. 2,412,586; Dec. 17.
Rubber seal aging testing apparatus and method. A. D. Swenson. 2,412,638; Dec. 17.
Salt brine, Production of. F. L. Bolton. 2,412,560; Dec. 17.
Sandal. D. D. Goldstein. 2,412,808; Dec. 17.
Sawhorse. N. N. Beasley. 2,412,764; Dec. 17.
Saw, Portable. J. C. Jaques. 2,412,704–5; Dec. 17.
Seat dressing tool. G. W. Barnes. 2,412,859; Dec. 17.
Selenium coated base plates, Coating. C. E. Peters. 2,412,692; Dec. 17.
Separator for removing air or water mixed with hydrocarbons, comprising a cartridge containing a wadding of wooden shavings, Air and water. E. G. Spangler. 2,412,841; Dec. 17.
Septic tank. D. Torricelli. 2,412,785; Dec. 17.
Sewing appliance. F. S. Kralovic. 2,412,891; Dec. 17.
Sewing machine. H. J. Le Vesconte and M. L. Cook. 2,412,894; Dec. 17.
Sheathing for explosives. D. D. Huyett and F. S. Pollock. 2,412,581; Dec. 17.
Shock absorber. R. M. Harmon. 2,412,885; Dec. 17.
Shockproof mounting. R. B. Shores. 2,412,838; Dec. 17.
Shoe and manufacturing the same. J. R. Brady and A. Moskowitz. 2,412,865; Dec. 17.
Shoe counter and shankpiece, Combined. W. P. Herlihy. 2,412,773; Dec. 17.
Shoe heel, Composite. M. Margolis. 2,412,899; Dec. 17.
Shutter actuating mechanism. J. Bolsey. 2,412,559; Dec. 17.
Shuttle car. W. W. Sloane. 2,412,755; Dec. 17.
Sieve, Eccentric-solenoid actuated. L. H. Snyder. 2,412,840; Dec. 17.
Sighting device. W. B. Klemperer and S. J. Goldberg. 2,412,585; Dec. 17.
Signaling device, Audible. E. W. Gent. 2,412,610; Dec. 17.
Sludge coking. M. H. Arveson. 2,412,667; Dec. 17.
Speed adjusting mechanism. G. F. Drake. 2,412,605; Dec. 17.
Spray compositions. C. D. Dolman. 2,412,720; Dec. 17.
Stainless steel, Making. S. F. Urban. 2,412,661; Dec. 17.

Starting switch. F. P. Gasser. 2,412,883; Dec. 17.
Staybolt. F. P. Huston, L. A. Burrows, and W. E. Lawson. 2,412,887; Dec. 17.
Steam generator. J. P. Badenhausen. 2,412,856; Dec. 17.
Stop-cock. N. Brewer. 2,412,597; Dec. 17.
Storage and transporting mechanism, Wool. A. M. Stevens. 2,412,844; Dec. 17.
Stud, Insulation. T. Nelson. 2,412,744; Dec. 17.
Sulfonates and sulfonyl chlorides, Preparation of. H. M. Grubb and E. B. Tucker. 2,412,679; Dec. 17.
Sulphur dyestuffs. N. Steiger. 2,412,922; Dec. 17.
Superregenerative receiver quenching circuit. W. E. Bradley. 2,412,710; Dec. 17.
Support: *See*—
Chair seat support. Hamper or bag support.
Support device. J. K. Wood. 2,412,852; Dec. 17.
Surface layout gauge. W. B. Champlin. 2,412,870; Dec. 17.
Sweep or pulse generator. W. D. Hershberger. 2,412,682; Dec. 17.
Switch: *See*—
Starting switch.
Switch apparatus. J. P. Dolan. 2,412,604; Dec. 17.
Switchgear apparatus. C. P. West. 2,412,931; Dec. 17.
Swiveling fluid joint. T. C. Hill. 2,412,810; Dec. 17.
System for aircraft, Ice detecting. W. A. Malthaner. 2,412,626; Dec. 17.
System for control of receiver reception by an associated transmitter. 2,412,935; Dec. 17.
System for radio locators, Search. M. R. Briggs and A. A. MacDonald. 2,412,867; Dec. 17.
Table and cabinet, Combined extension. P. H. Weber. 2,412,849; Dec. 17.
Table, gyratory movement, with lateral impact, Perforate bulb-grading. H. Nieuwenhuis. 2,412,905; Dec. 17.
Tacker. C. P. Kipp. 2,412,620; Dec. 17.
Tank: *See*—
Flush tank. Septic tank.
Tape for joining plies, Method and. G. G. Pierson. 2,412,693; Dec. 17.
Taper gauge. D. A. Dugger. 2,412,569; Dec. 17.
Telescopic tubular plywood mast and making same. P. R. Goldman. 2,412,678; Dec. 17.
Terminal, Head band. W. E. Morgan. 2,412,741; Dec. 17.
Textile material and preparing it. E. C. Pfeffer, Jr., and J. Epelberg. 2,412,832; Dec. 17.
Thermometer and thermostat, Wet bulb. R. T. Palmer. 2,412,782; Dec. 17.
Thermostatic relay. G. C. Armstrong. 2,412,854; Dec. 17.
Thiocyano alkyl ethers of endoethylene cyclopentanole. H. A. Bruson. 2,412,799; Dec. 17.
Thioglycolic amides. A. Weissberger, C. J. Kibler, and R. V. Young. 2,412,700; Dec. 17.
Threaded locking device. R. W. Luce. 2,412,896; Dec. 17.
3-picoline, 4-picoline, and 2,6-lutidine, Separating. G. Riethof. 2,412,649–51; Dec. 17.
Tile, Acoustical. G. H. Burt. 2,412,713; Dec. 17.
Tool: *See*—
Seat dressing tool.
Tool holding means for automatic screw machines. J. R. Smith. 2,412,757; Dec. 17.
Toy. D. Sullivan. 2,412,759; Dec. 17.
Transformer, High-voltage. A. G. Ganz. 2,412,609; Dec. 17.
Transformer, Pulse. R. Lee. 2,412,893; Dec. 17.
Transmission line. R. H. Varian, W. W. Hansen, and J. R. Woodyard. 2,412,640; Dec. 17.
Transmitter, Telephone call. R. F. Mallina. 2,412,624–5; Dec. 17.
Treating materials, Method and apparatus of. D. S. Baker. 2,412,763; Dec. 17.
Triangle-octant. G. W. McCoshen. 2,412,901; Dec. 17.
Trimethylene chlorbromide. C. B. Gardenier. 2,412,882; Dec. 17.
Truck, Railway car. C. P. Leese. 2,412,689; Dec. 17.
Tubular parts, Carburizing one side only of relatively short. E. G. de Coriolis. 2,412,802; Dec. 17.
Turbine-generator. G. B. Warren. 2,412,848; Dec. 17.
Turnbuckle fairing and lock. G. W. De Bell and T. C. Hill. 2,412,566; Dec. 17.
Typewriter and the like, Chinese language. C.-C. Kao. 2,412,777; Dec. 17.
Ultra high frequency oscillation generator. J. R. Ford. 2,412,805; Dec. 17.
Unit lock. H. G. Voight. 2,412,789; Dec. 17.
Valve: *See*—
Butterfly valve. High-temperature valve.
Varnish paper liner facing material. C. E. Maier. 2,412,592; Dec. 17.
Vinylite sheeting, Wettable coating for. G. P. Waugh and W. O. Kenyon. 2,412,699; Dec. 17.
Vitamin concentrates, Producing. L. O. Buxton. 2,412,766; Dec. 17.
Vitamins, Concentration of fat-soluble. L. O. Buxton. 2,412,561; Dec. 17.
Wall for railway hopper cars, Side. G. G. Gilpin. 2,412,807; Dec. 17.
Watch bracelet link, Adjustable. L. Karasik. 2,412,812; Dec. 17.
Water control for toilet tanks. B. Svirsky. 2,412,760; Dec. 17.
Welding system. D. Packard and N. E. Porter. 2,412,745; Dec. 17.
Well logging. A. Frosch. 2,412,575; Dec. 17.
Well pipe screwing device. F. S. Crane. 2,412,875; Dec. 17.
Wheel steering means for wagons and the like. R. N. Thorn. 2,412,927; Dec. 17.
Wheeled carrier. S. Sochaczewski. 2,412,697; Dec. 17.
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Windshield wiper, Electric. J. B. Whitted. 2,412,850; Dec. 17.
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Wire rope twister. A. C. Abrahamsen. 2,412,795; Dec. 17.
Woven resistance unit. L. Spraragen. 2,412,843; Dec. 17.
X-ray apparatus. W. Watson. 2,412,662; Dec. 17.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 17, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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U. S. GOVERNMENT PRINTING OFFICE: 1946

Patents Nos. 2,412,937 to 2,413,278

THE

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Trade-Marks	281—No.	426,238 to No.	426,518,	inclusive.
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Reissues	4—No.	22,822 to No.	22,825,	inclusive.
Plant Patents	2—No.	719 to No.	720,	inclusive.
Patents	342—No.	2,412,937 to No.	2,413,278,	inclusive.
Designs	29—No.	146,096 to No.	146,124,	inclusive.
Total	777			

Notice of Tentative Recordation of Trade Name

[T. D. 51555]

Tentative recordation of trade name under section 27, Trade-Mark Act of February 20, 1905, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Oct. 30, 1946.

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 27, Trade-Mark Act of February 20, 1905, and section 11.16, Customs Regulations of 1943:

"Revlon," owned by Revlon Products Corporation, 745 Fifth Avenue, New York 22, N. Y., which is used in connection with and applied to nail enamel, lipstick, face powder, cosmetics, and manicure implements manufactured in the city and State of New York and the State of New Jersey.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after October 29, 1946. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period. Until the expiration of the 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

The trade-mark "Revlon," No. 326,840, applied to articles in Class 6, was registered August 6, 1935, by Revlon Nail Enamel Corporation, now, by change of name, Revlon Products Corporation.

(Signed) FRANK DOW,
Acting Commissioner of Customs.

Notices

EXAMINER'S REPLY UNDER RULE 137

U. S. PATENT OFFICE, *Washington 25, D. C., Nov. 18, 1946.*

Rule 137, as amended, states that the Examiner shall furnish the appellant a copy of any reply to the brief. Where no further comments are considered necessary the appellant should be formally advised of this fact. Informal notations on or attached to the brief or forwarding slip should be discontinued.

Not infrequently a brief filed less than twenty days before the day of hearing is accepted by the Board of Appeals. Where in such a case the brief is forwarded to the Examiner under the provisions of Rule 137 a reply may be made notwithstanding the delayed filing. The real purpose of a reply is to enable Examiners to furnish the Board with their views regarding new facts or arguments raised in appellant's brief.

CASPER W. OOMS,
Commissioner.

TRADE-MARKS NOT TO BE USED IN PATENT APPLICATIONS

U. S. PATENT OFFICE, *Washington 25, D. C., Dec. 3, 1946.*

The attention of the Office has been repeatedly called to the use of trade-marks in specifications as common descriptive nouns. Such use is often cause for embarrassment to the party owning the trade-mark.

The relationship between a trade-mark and the composition of the product it identifies is indefinite, uncertain, and arbitrary. The formula of the substance may change from time to time yet continue to be sold under the same trade-mark. In patent specifications, every substance in a composition should be set forth in positive, exact, intelligible language, so that there will be no uncertainty as to what is used. Arbitrary trade-marks which are liable to mean different things at the pleasure of manufacturers do not constitute such language and should not be used in patent applications.

This notice supersedes the notices of April 25, 1934, July 28, 1936, and June 21, 1941.

CASPER W. OOMS,
Commissioner.

DEPENDENT CLAIMS

U. S. PATENT OFFICE, *Washington 25, D. C., Dec. 9, 1946.*

A dependent claim may depend from a preceding dependent claim providing that the claims of any series of dependent claims shall appear in the application in immediate consecutive order, and no dependent claim shall contain direct reference to more than one preceding claim.

To the extent indicated Ex parte Hill 1924 C. D. 21 is modified.

CASPER W. OOMS,
Commissioner.

Condition of Applications Under Examination at Close of Business November 29, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 132,381; Trade-Mark Division, 11,539. Oldest new case, April 3, 1945; oldest amended, April 27, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	June 4	Aug. 2	2619
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Aug. 4	Aug. 29	3110
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 19	July 4	1997
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Nov. 13	Aug. 24	2500
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	†Apr. 12	May 26	3781
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 27	Nov. 30	1792
7. HANLIN, GEORGE, Optics, Photography	Nov. 10	Dec. 20	1920
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Aug. 17	Sept. 1	3269
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	July 20	July 2	2161
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Sept. 29	Oct. 4	1458
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Feb. 21	†Mar. 15	729
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 13	July 16	2655
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	June 28	2110
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 15	Sept. 24	1507
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Nov. 26	Oct. 30	1137
16. LOVEWELL, N. N., Telegraphy; Telephony	Nov. 29	Nov. 7	1251
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 11	June 12	1150
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 22	July 6	1880
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 26	Nov. 14	1683
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	July 9	July 27	2009
21. THOMPSON, T. J., Textiles	†Mar. 7	†Mar. 13	780
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 27	1943
23. LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 19	Aug. 23	216
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Mar. 19	†Mar. 18	1205
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 8	Sept. 26	1460
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 13	Aug. 22	1915
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 17	July 4	2075
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	June 6	June 5	1526
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Aug. 21	July 24	2251
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Sept. 4	Sept. 12	2294
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	May 13	May 14	825
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Oct. 6	Oct. 9	2151
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Sept. 8	Aug. 8	3044
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Sept. 7	Sept. 28	1258
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 21	Oct. 18	2008
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 6	June 6	1685
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	May 30	Oct. 9	1310
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part), Ornamentation	Oct. 11	Oct. 19	1380
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	June 11	June 3	2436
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 29	Nov. 5	2592
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Sept. 26	Sept. 4	801
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Nov. 27	Nov. 19	972
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 7	Sept. 15	1149
44. HARVEY, L. P., Refrigeration; Preserving	May 19	June 22	1223
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 2	Sept. 4	2497
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 12	Oct. 8	1508
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Nov. 1	Oct. 22	2721
48. BERNSTEIN, S., Electricity; General Applications; Electric Igniters	May 29	June 16	1955
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Sept. 4	Sept. 4	1557
50. LEVIN, SAMUEL., Synthetic Resins	Nov. 19	Nov. 19	2273
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae).	Aug. 8	Aug. 10	2216
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Aug. 21	Sept. 14	3034
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	May 24	May 31	3562
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 23	Aug. 4	2092
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Sept. 15	1735
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 2	Oct. 9	1375
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	†Apr. 21	June 14	2903
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 25	†Jan. 26	1358
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 25	June 29	2048
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	May 25	Oct. 16	774
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Aug. 4	Aug. 2	2578
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	†Apr. 3	Apr. 27	3700
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 10	Aug. 18	1973
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Apr. 29	†Apr. 12	1025
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony Repeaters and Relays (e. g., Amplifiers).	Aug. 2	July 31	2261
Trade-Marks: RICHMOND, F. A	†Jan. 17	†June 12	11,539
Designs: KALUPY, H. H	Dec. 29	†Aug. 12	7019

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MIGRDICHIAN

No. 5,130. Decided June 27, 1946

[156 F.(2d) 250; 70 USPQ 403]

1. APPEAL—TECHNICAL QUESTIONS.

"We are confronted here with questions relating to chemical compounds and formulas which are technical in character. In such cases, where the findings of the Examiner are not overruled by the Board and are not questioned by the applicant, as is the situation here, we accept them without question."

2. PATENTABILITY—PROTECTION OF ORGANIC MATERIALS.

Upon consideration of appellant's application and his claims to a method of protecting organic materials subject to attack by plant pests and microorganisms, comprising treating the materials with an organic mercury compound falling within the general formula set out, *Held* that since "appellant's product does not differ patentably from those disclosed by the prior art, and as the prior art teaches that products of the general type as that defined by the appealed claims are useful in 'protecting organic materials [such as seeds] subject to attack by plant pests and microorganisms,' the claims on appeal, which define no particular method of treatment, are clearly not patentable over the references of record."

APPEAL from the Patent Office. Affirmed.

BLAND, *J.*, specially concurring.

Mr. Ellis S. Middleton (*Mr. Edmund H. Parry, Jr.*, of counsel) for Migrdichian.

Mr. W. W. Cochran (*Mr. Clarence W. Moore* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all the claims of appellant's application, numbered 1 to 15, inclusive, for a patent relating to method of treating organic materials such as seed to protect such materials from the ravages of plant pests and microorganisms. The broad title of the application is "For Mercury Compounds as Disinfectants." The specification recites:

> The present invention relates to new disinfectants, and more particularly to certain organic mercury compounds which are especially effective against plant pests and microorganisms with the result that they may be used for all purposes of preserving and disinfecting, for example, in the immunizing of seed grain, the prevention of mildew formation, the preservation of wood, in the preservation of glue and the like.

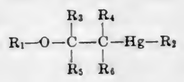
It appears that claims 1, 2, 3, 7, 8, and 9 are generic in character. The others are species claims and are, as stated, in substance, in the brief of the Solicitor for the Patent Office, divisible into three groups, (1) Nos. 4, 10, and 13, specific to the use of mercury acetates; (2) claims 5, 11, and 14, specific to the use of organic mercury hydroxides, and (3) claims 6, 12, and 15, specific to the use of organic mercury chlorides.

Inasmuch as all the generic claims were rejected, appellant was required under Patent Office rule 41 to elect one species for prosecution. He elected the mercury acetate group, that is, claims 4, 10, and 13.

In consequence, none of the other species claims received consideration on their merits by the tribunals of the Patent Office. The Examiner held them "not readable on the elected species," and the Board held them "not entitled to examination in this case in the absence of an allowable generic claim."

Generic claim 1 reads as follows:

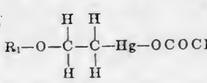
1. The method of protecting organic materials subject to attack by plant pests and microorganisms which comprises treating the said materials with an organic mercury compound of the general formula:



in which R_1 denotes an organic group containing in addition to hydrogen *only one negative substituent*, R_2 denotes hydroxyl or a radical having the capacity of forming a salt with mercury, and R_3, R_4, R_5 and R_6 are selected from the group consisting of hydrogen, alkyl, aryl and aralkyl radicals. [Italics supplied.]

Species claim 4 (the first in number of the particular group of species claims selected from prosecution) reads:

4. The method of protecting organic materials subject to attack by plant pests and microorganisms which comprises treating the said materials with an organic mercury compound of the general formula:



in which R_1 denotes an organic group containing in addition to hydrogen *only one negative substituent* selected from the group consisting of cyanogen, thiocyanogen, halogen, alkyloxy and carbalkoxyl radicals. [Italics supplied.]

It will be observed that we have italicized the language, "only one negative substituent," appearing in the claims. This language, or phrase, appears in all the claims and is stressed by appellant.

We deem it proper to state at this point that counsel for appellant, although present at the hearing before us, declined to avail himself of his right under the rules of the court to present an oral argument, either by way of a preliminary opening statement or by way of reply to the statements and arguments made orally by the Solicitor for the Patent Office, although he was invited to do so. Further, it may be said that he did not file, or seek to file, any reply brief to the brief of the Solicitor for the Patent Office, which, of course, was filed subsequent to his.

The brief of the Solicitor presents a comprehensive analysis of the involved claims based upon the disclosures of the specification and compares them in considerable detail with the showing of the references.

The brief for appellant states that the formula embraced in generic claim 1, supra, is the general formula used in the claims and that the "R's represent certain designated elements or radicals." In view of this statement it is deemed unnecessary to quote the other claims here involved, since it is obvious that they stand or fall together.

In rejecting the claims (both the generic and elected species claims) the Examiner cited two patents, viz.: Gornitz et al., 2,145,594, Jan. 31, 1939; Callsen, 2,119,701, June 7, 1938.

Specifically, the Examiner, in his statement following the appeal to the Board, said: "The * * * claims stand rejected as unpatentable over Gornitz, considered with Callsen," and thereafter analyzed what he deemed to be the pertinent features of the references.

The Board rendered two written decisions in the case, the first dated October 12, 1944. Following it appellant filed a request for reconsideration in which the Board was severely criticized for its failure to discuss as fully as counsel for appellant thought necessary certain of the issues raised before it.

In a well-tempered response the Board further discussed appellant's contentions, but adhered to its original conclusion.

The Board gave little attention to the Callsen patent, saying that it was regarded as merely cumulative. It was not overruled as a reference, however, and it is discussed to some extent in the brief of the Solicitor for the Patent Office. It relates to certain described mercury compounds (all the claims being product claims) which the specification states have a variety of uses, among them being (1) use for "the preservation of wood," (2) "for disinfecting purposes," (3) "for combating parasites, especially for immunizing seed grain * * *," which three are uses named in appellant's specification, supra. It is conceded by appellant that it "discloses starting materials or reactants, some of which are included in Applicant's broad class of substances," but appellant contends that the patentee "does not propose the use of these materials as bactericides or fungicides but on the contrary reacts them with other substances to form bactericides or fungicides in which he is interested," the brief saying further:

> In other words, he [Callsen] was totally unaware that many of his initial reactants were themselves efficient seed disinfectants so that it was unnecessary to go through the complicated reaction proposed by him in order to arrive at substances having these desirable properties.

On the other hand, the brief of the Solicitor for the Patent Office asserts (references to record pages being omitted):

> The fact of the matter is that Callsen specifically discloses * * * as a starting material or reactant, chloroethoxyethyl mercuric hydroxide. This is the hydroxy compound which Migrdichian asserts may be obtained by the action of dilute alkalies on the β-chlorethoxyethyl mercury acetate, his "typical" compound * * *. The disclosure in the Callsen patent of chloroethoxyethyl mercuric hydroxide effectively refutes Migrdichian's statement * * * that such compounds are new.

The Examiner found the Callsen patent to be pertinent as showing that no invention resides in modifying the Gornitz et al. compounds so that they include a single negative substituent.

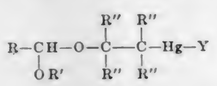
The foregoing assertion, which accords with the statement of the Examiner is not answered by appellant, and we have no reason to doubt its accuracy.

[1] We are confronted here with questions relating to chemical compounds and formulas which are technical in character. In such cases, where the findings of the Examiner are not overruled by the Board and are not questioned by the applicant, as is the situation here, we accept them without question.

The Gornitz et al. patent embraces both product and method claims. The method claims, however, are for the method of producing the products defined in the product claims. The claims here at issue, as may be seen from generic claim 1, supra, are for the method of protecting organic materials against plant pests, etc., by using the product defined in the formulas.

The patent recites that it relates to seed disinfectant compositions containing certain organic derivatives of mercury, stating that it is known that certain organic mercury compounds are suitable seed disinfectants. Claim 1 of the patent reads:

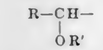
> 1. A seed disinfectant composition, comprising an organic mercury compound of the structural formula



> wherein Y represents an acid radical taken from the class consisting of inorganic and lower fatty acids, R a trihalogenated alkyl radical, R′ is a radical taken from the class consisting of hydrogen and lower alkyl radicals and R″ is a radical taken from the class consisting of hydrogen and lower saturated hydrocarbon radicals.

The brief of the Solicitor for the Patent Office, after quoting the foregoing formula from the patent (references to the record pages being omitted as indicated by stars) proceeds:

> Y in the patentees' formula may represent * * * the acid radical, acetoxy ($OCOCH_3$), or halogen (chlorine, Cl, e. g.); in these respects Y has the same values as R_4 in appellant's general formula * * *. Continuing to compare these two formulas element by element, progressing toward the left, the next substituent is mercury (Hg) in both. Next in the patentees' formula, R″′ may, for one thing, denote hydrogen (H); and to that extent it is, in its four appearances, identical with appellant's R_3, R_4, R_5, and R_6. The linking oxygen (O) in both formulas is the same. Upon analysis, it is thus apparent that Migrdichian's disinfecting compounds and the disinfectant compositions of the patentees, Gornitz et al., have, in large part, the same chemical construction. They differ in structure only to the extent that group R_1 of Migrdichian differs from the patentees' group



> Upon the basis of the disclosures of the application and the patent, this difference is not great. In the patent * * * R may, inter alia, be a halogenated alkyl, of which chlorethyl ($ClCH_2CH_2$—) would be an example. Such a constituent is comprehended in Migrdichian's definition of R_1 * * * as an "organic group * * * containing, in addition to hydrogen, at least one negative substituent, e. g., cyanogen, thiocyanogen, halogen, alkyloxy, carbalkoxyl and the like," and the very substituent here cited as an example is included in Migrdichian's "typical" compound β-chlorethoxyethyl mercury acetate * * *. The —CH— appears in the patentees' formula merely to show the linkage of the OR′ (as it does in like manner in the formula of α-carbethoxyethyloxyethyl mercury acetate, which formula appears in Example 3 on page 5 of the record); and so the patentees' formula and Migrdichian's differs only in the —OR′— substituent where O is oxygen and R′ is hydrogen (H), or an alkyl such as methyl (CH_3).
>
> Migrdichian's definition of R_1 in his specification does not exclude such a substituent as the patentees' OR′, for Migrdichian there recites * * * that his R_1 group contains "at least one negative substituent," which means that the R_1 group may contain more than one negative substituent. Only Migrdichian's claims are restricted; the claims call for "only one negative substituent."

The statement so quoted from the Solicitor's brief follows, although expressed in somewhat different phraseology, the statement of the Examiner, and its accuracy has not been challenged before us.

In the brief on behalf of appellant it is asserted, the italics quoted:

> Many of the compounds used in the method claims are *new materials having never before been made or mentioned.*

[2] Assuming that appellant used compounds consisting of new materials, etc., in the making of his ultimate product, the fact remains that he made no claim for patentability of a new product independently of using it.

We are not convinced that appellant made a product different in a patentable sense from the products described in the prior art cited.

Nothing patentable over Callsen's ultimate product is found in appellant's ultimate product.

The Gornitz et al. patent discloses throughout that the product was developed to be used for the prevention of ravages by insects upon seeds. It did not claim its use for the purpose developed, supposedly for the reason that every person possessing ordinary intelligence, even if not "skilled in the art" of immunizing seed, would understand the purpose.

Owing to the fact that appellant's product does not differ patentably from those disclosed by the prior art, and as the prior art teaches that products of the general type as that defined by the appealed claims are useful in "protecting organic materials [such as seeds] subject to attack by plant pests and microorganisms," the claims on appeal, which define no particular method of treatment, are clearly not patentable over the references of record.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

BLAND, *J.* (specially concurring):

I agree that, in view of the product being old or so similar to other products in the prior art as to suggest its use as a disinfectant, appellant is not entitled to a patent for a method of protecting organic materials with the use of his stated materials.

I concur specially because it is settled law that one may have a patent for a method of treating plant life with an old substance, or even a patented substance (subject, of course, to the patent), if its application as a disinfectant was new, unobvious, and useful. Since the majority opinion does not clearly so state and since the latter part of the opinion is so limited in its discussion of the differences between the inventor of a product and the inventor of a process as not to distinctly differentiate between the disinfectant product and the process of using it I feel called upon to cite and discuss the authorities mentioned below.

It is not sufficient to say, in answer to the claim of a discoverer of a new method of using an old product, that a patentee of a product is entitled to all of its uses and that the public is entitled to all unknown uses of a non-patented product. To that effect, I think the holding in *In re Thuau*, 30 C. C. P. A. (Patents) 979, 135 F.(2d) 344, 57 USPQ 324, should be modified. The following portion of the Thuau case is, in my view, repugnant to settled law on the question:

> It is our opinion that not only is the weight of authority contrary to appellant's contention, but that it is clearly contrary to the spirit, and in our opinion contrary to the letter of the patent laws that patents should be granted for old compositions of matter based upon new uses of such compositions where such uses consist merely in the employment of such compositions.
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> * * * * * * *
>
> The doctrine is so familiar as not to require citation of authority that a patentee is entitled to every use of which his invention is susceptible, whether such use be known or unknown to him. Likewise, with regard to an unpatentable article or substance long in use, any member of the public has the right to every use of which the article or substance is susceptible so long as it is unchanged in any way, regardless of whether or not such uses were known prior to his own use.

Of course, any patentee is entitled to every use of his material. This does not prevent another from getting a patent upon the use of the patentee's particular material as a disinfectant if that use was not obvious and was foreign from its known use. The new inventor, however, could only practice his invention with the consent of the patentee, but with such consent he could prevent others from using it as a disinfectant and on the expiration of the article patent he would have a monopoly on its use as a disinfectant.

The latter part of the majority opinion implies, I think, that one cannot get a method patent for the use of an old compound as a disinfectant. This portion of the opinion would seem to suggest that unless he was the inventor of the compound he is not entitled to a patent for a method of its use in immunizing seeds.

While the opinion does not cite the Thuau case, the Solicitor for the Patent Office has quoted abundantly from it in his brief and states:

> Involved in the issues presented by the present appeal is the question whether application of the doctrine of *In re Thuau*, supra, can be avoided by calling the use of an old compound a process, and expressing that use in claims drawn in broad method form. Single step method claims of the same character as those here appealed have previously been before this court as in *In re Christensen*, 468 O. G. 277, 23 C. C. P. A. 1015, 82 F.(2d) 715; and *In re Jones*, 533 O. G. 1052, 28 C. C. P. A. 1302, 120 F.(2d) 1019, but the court apparently has not heretofore had reason to pass upon the question which this appeal raises.
>
> *The Board has several times ruled that where invention is involved in the discovery of the asserted new use of an old compound, that new use may be protected by a process patent. Ex parte Chamberlain*, 2 USPQ 145; *Ex parte Kurtz*, 15 USPQ 149; *Ex parte Bosland*, 44 USPQ 695. Conversely, where the new use is obvious, such protections should be denied. The use of the compounds here claimed by Migrdichian for, generally, treating organic materials, and, specifically, immunizing seed, is an obvious use. [Some italics mine.]

It would seem from the foregoing that the Solicitor, in view of the authorities cited, is of the opin-

ion that a new use of an old compound may be protected by a process patent if its use was not obvious, and apparently he is inviting comment upon the Thuau case and does not urge its soundness. .

I think the majority, while in effect applying the doctrine of the Thuau case, should frankly discuss it and rely upon it if they are of the opinion that it is controlling in the instant case.

I shall briefly analyze the authorities cited, supra, by the Solicitor and other authorities relating to the question as to the propriety of granting method claims in a patent for a new, unobvious and useful purpose of an old compound, etc.

Ex parte Chamberlain, 2 USPQ 145, involved a method of pickling metals. It was found that the pickling bath itself, containing the particular proposed reagent, was not anticipated by the prior art, and the Examiner was of the opinion that the bath could be allowed as a new pickling bath. Under these circumstances, the Board of Appeals said:

> • • • we believe it is equally true that a new process is involved in applying it [the bath]. Such process should include the positive step of immersing metal in the bath containing the essential identified ingredients.

Ex parte Kurtz, 15 USPQ 149, involved a method of securing rubber to metal. The general steps of the process were old. The Board held applicant's material was not the same as that of the prior art references and stated:

> Patents are frequently granted and sustained for improved processes wherein the improvement resides solely in the substitution of a material not known to be an equivalent. The case of *Tolfree* v. *Wetzler*, 25 F.(2d) 553, is illustrative. • • • Their equivalency may be apparent after appellant's teaching but their availability is in no way suggested by any cited art.

The case cited by the Board, *Tolfree* v. *Wetzler et al.*, 25 F.(2d) 553 (C. C. A. 3rd), involved a method of stopping leaks. An old composition, gambier (extract from certain trees or shrubs), which "had been used for years in the tanning art and in other ways" and whose "qualities were known" was used in suspension in water to stop leaks. Such use was held to be invention.

Ex parte Bosland, 44 USPQ 695, involved the method of sizing cellulose textile materials. The prior art showed a similar composition used for an entirely different purpose. In its decision the Board stated, "Assuming the composition per se to be old, this case involves the protection of a new use thereof," and allowed the claims.

Ex parte Bosland, 44 USPQ 696, a companion case of the Bosland case, supra, is even stronger in its statement of the well-settled rule.

The following statement from Corpus Juris (48 C. J. 77) summarizes the law on this point:

> [§ 84] 17. APPLICATION TO NEW USE. The application of an old method or device to a similar or analogous subject with no change in the manner of applying it and no result substantially distinct in its nature is not invention. This is true, even if the new form of result has not before been contemplated, and regardless of how remote the new use may be from the old if no changes or modifications in the old device are necessary to adapt it to the new use. Invention is not involved in the mere conception of applying an old method or device to a new use. Even though changes or modifications are essential to the practical application of the method or device to the new use, invention is not involved if the new use is so analogous to the old that the thought of adapting the device and applying it to the new use would occur to a person skilled in the art and seeking to devise means to perform the desired function. The adaptation of the new device does not constitute invention, even though advantages not otherwise procurable are attained. *On the other hand, invention is involved where the new use is so remote from that to which the method or device has been applied, or for which it was conceived, that the thought of making the necessary modifications and changes and applying it to the new use would not occur to a person skilled in the art and seeking means by which the desired function could be performed.* It is immaterial that once given the thought of applying the old method or device to the new use, the changes or modifications necessary to make the thought practical are obvious. [Italics added.]

From Walker on Patents, Deller's Edition, Volume One, pages 226 et seq., the following statements are quoted:

> It is not invention to use an old process for a new and analogous purpose. • • •
> • • • An old composition of matter applied to a new and analogous use does not involve invention.
> It may be invention, to use an old process, machine, manufacture, composition of matter, or design, for a new and non-analogous purpose. (*Potts* v. *Creager*, 155 U. S. 597, 608; etc., etc.)
> The courts have held that, while gravity is a simple, well understood force, a novel application of it to increase utility in an existing machine may be invention of a high order. (*Eibel Process Co.* v. *Minn. Paper Co.*, 261 U. S. 45.)

It should be noted that all of the appealed claims involved in the instant case are method claims and that the latter part of the majority opinion stresses the fact that appellant was not the inventor of the product.

I agree that in the instant case the appellant, in his claims, defines an obvious use of an old compound, or one so closely related to the old one that its use as a disinfectant would be obvious, and he is not entitled to the allowance of his claims.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,089,405, W. S. Ferguson, Reinforced concrete dock or pier, D. C., W. D. N. Y., Doc. 374, *The Dock & Terminal Engineering Co. et al.* v. *City of Buffalo, N. Y.* Order dismissing case for lack of prosecution without prejudice (notice Nov. 12, 1946).

1,673,727. (See Re. 19,023.)

1,721,608, Swart & Ehlig, Sheet-feeder; 1,898,535, A. Haupt et al., Method of and means for feeding paper sheets; 2,060,800, Ehrig & Keilhauer, Sheet feeder; 2,108,702, H. T. Backhouse, Automatic sheet feeding machinery; 2,144,057, H. Hallstream, Paper feeding machine, D. C., S. D. N. Y., Doc. 20/333, *American Type Founders, Inc.*, v. *Dexter Folder Co.* Stipulation and order dismissing Patent 1,721,608 on consent Mar. 27, 1944; judgment holding claims 1, 2, 3, 4, 6, 9, 10, and 26 of 2,144,057, claim 1 of 1,898,535, and claim 52 of 2,108,702 invalid, Patent 2,060,800 dropped at opening of trial Nov. 13, 1946.

1,804,559, W. S. Farrell, Signal receiving and distributing system; 2,352,188, same, Sound reproducing system and coin collecting actuator therefor, D. C. Calif. (Los Angeles), Doc. 5147–PH, *Solotone Corp.* v. *W. S. Farrell et al.* Stipulated dismissal Nov. 28, 1946.

1,861,882, O. A. Ross, Motion picture reel; 1,861,891, O. Wittel, Motion picture film reel; 2,226,825, C. E. McAuley, Film reel, D. C., S. D. N. Y., Doc. 11/421, *Eastman Kodak Co.* v. *C. McAuley et al.* Stipulation and order dismissing action Nov. 7, 1946.

1,861,891. (See 1,861,882.) 1,898,535. (See 1,721,608.) 2,060,800. (See 1,721,608.) 2,108,702. (See 1,721,608.) 2,144,057. (See 1,721,608.)

2,181,163, R. W. Akins, Adjustable support for buildings, filed Nov. 4, 1946, D. C., N. D. Ohio, E. Div., Doc. 24406, *Adjusta-Post Co.* v. *Fixag Post & Engineering Co.*

2,182,206, F. Lowy, Dart, D. C., N. D. Ill., E. Div., Doc. 46c1643, *F. Lowy* v. *Sport-Master Industries et al.* Injunction Nov. 8, 1946.

2,191,746. (See Re. 21,177.)

2,226,825. (See 1,861,882.)

2,232,503, A. A. Zarowin, Key case, filed Nov. 12, 1946, D. C., E. D. N. Y., Doc. 7442, *S. & Z. Hooks Co.* v. *Ever-ready Key Holder Co.*

2,236,387, Wallace & Hand, Perspiration inhibiting composition, D. C., N. D. Ill., E. Div., Doc. 43c906, *John H. Wallace, Jr.* v. *Mandel Bros., Inc.* Judgment finding patent invalid and dismissing action for want of equity Oct. 1, 1946.

2,242,197, B. G. West et al., Sound reproducing system; 2,291,115, Stark & Leyrer, Wired music distributing system, filed Oct. 25, 1946, D. C., N. D. Calif., S. Div., Doc. 26571–G, *Rodney Pantages, Inc.*, v. *Ackley-Allen Music Co.*

2,254,392, J. L. Petrie, Diamond dressing tool and method of dressing grinding wheels, D. C., E. D. Mich., S. Div., Doc. 4083, *Wheel Trueing Tool Co. of Dela.* v. *Service Diamond Tool Co.* Consent decree for plaintiff Nov. 6, 1946.

2,256,645, F. Kuhlman, Decorative material, filed Oct. 25, 1946, D. C., S. D. N. Y., Doc. 38/380, *R. Appel, Inc.*, v. *A. S. Beck Shoe Corp.*

2,262,091. (See Re. 21,545.)

2,276,842. (See Re. 21,545.)

2,291,115. (See 2,242,197.)

2,298,543, K. Schmidt, Combination purse and billfold, filed Oct. 31, 1946, D. C., S. D. Calif., C. Div., Doc. 5918–Y, *Marioness & Co., Inc.*, v. *Sandley Merchandise Co.*

2,301,066, F. H. Montmarguet, Athletic supporter, filed Nov. 8, 1946, D. C. N. J. (Trenton), Doc. 9220, *The O. C. Mfg. Co.* v. *Johnson & Johnson.*

2,336,934, J. R. Hornsby, Carrier head, D. C., N. D. Ga. (Atlanta), Doc. 2960, *J. R. Hornsby et al.* v. *Sears, Roebuck & Co.* Consent order dismissing action with prejudice (notice Nov. 13, 1946).

2,352,188. (See 1,804,559.)

2,352,524, Evans & McDonough, Depilatory, filed Nov. 9, 1946, D. C., S. D. N. Y., Doc. 38/618, *Sales Affiliates, Inc.*, v. *Elizabeth Arden, Inc.*

2,365,433, J. R. Polizzi, Lock nut, filed Nov. 11, 1946, D. C., S. D. Calif. (Los Angeles), Doc. 5927–WM, *J. R. Polizzi* v. *E. S. Firestone.*

2,383,667, A. J. Matter, Fluid seal, D. C., N. D. Ill., E. Div., Doc. 45c1630, *Brummer Mfg. Corp.* v. *Crane Packing Co. et al.* Order on stipulation dismissing complaint and counterclaim without prejudice Oct. 4, 1946.

2,390,636, 2,397,229, L. J. Biro, Writing instrument, filed Nov. 12, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1869, *Eversharp, Inc.*, v. *Hamilton Ross Jet Flow Corp.*

2,397,229. (See 2,390,636.)

2,407,342, J. Nachman, Sewing machine, filed Nov. 8, 1946, D. C., S. D. N. Y., Doc. 38/611, *H. Flanzer* v. *N. Y. Fagoting Co.*

Re. 19,023 (of 1,673,727), L. V. Aronson, Cigar lighter, D. C., N. D. Ill., E. Div., Doc. 46c1344, *Ronson Patents Corp.* v. *Pakula & Co.* Final consent judgment Oct. 30, 1946.

Re. 21,177, J. A. Barkeij, Internal combustion engine; 2,191,746, same, Combustion chamber in cylinder heads of internal combustion engines, D. C., S. D. Calif., C. Div., Doc. 3769–B, *J. A. Barkeij* v. *Kinner Motors, Inc.* "Complaint dismissed as to all engines and parts therefor used or manufactured for the U. S. A. Dec. 20, 1945; case dismissed on stipulation of parties Oct. 25, 1946."

Re. 21,545, A. J. Marshaus, Tubular lamp base and socket; 2,262,091, F. D. Bryant, Socket for tubular lamp; 2,276,842, W. Harrison, Mounting device for electric lamps; Re. 22,560, F. C. De Reamer, Operating mechanism for fluorescent lamps, filed Nov. 4, 1946, D. C., S. D. N. Y., Doc. 38/542, *General Electric Co.* v. *Jersey Aviation Corp.*

Re. 22,560. (See Re. 21,545.)

Des. 140,977, Z. Golden, Dress, filed Nov. 8, 1946, D. C., S. D. N. Y., Doc. 38/597, *Adler & Adler* v. *McKettrick-Williams, Inc.*

T. M. 314,493, J. L. Younghusband, Lipsticks and rouge, filed Nov. 14, 1946, D. C., N. D. Ill., E. Div., Doc. 46c1885, *Consolidated Cosmetics* v. *Manson's Drugs.*

Disclaimers

1,991,637.—*Phillip E. Harth*, St. Louis, Mo. APPLICATION OF MUD-LADEN FLUIDS TO OIL OR GAS WELLS. Patent dated Feb. 19, 1935. Disclaimer filed Nov. 26, 1946, by the inventor and the assignee, *National Lead Company.*

Hereby disclaim:

From the specification viz., page 1, second column, lines 47 and 48, and from the scope of each and every one of the claims thereof, "red pigment or plumbic oxide (PbO) or litharge";

From the specification viz., page 2, second column, lines 62 and 63, and from the scope of each and every one of the claims thereof, "sodium silicate solutions";

From the scope of each and every one of claims 1, 2, 5, 6, 7, 13, 14, 15, and 18, all concentrated colloidal suspending agents, except such as were properly described as "emulsoid colloids," viz., those having the characteristics of water absorption and swelling with a consequent increase in volume, and which "emulsoid colloids" are of a class consisting of bentonite, starch, gelatin, gum tragacanth, agar, casein glue, soybean glue and albumin;

From the scope of each and every one of claims 3, 4, 8, 9, 16, and 17, all concentrated colloidal clays except such concentrated colloidal clays a typical average sample of which has the following analyses:

	Percent
Silica, (SiO_2)	57.98
Ferrous oxide, (FeO)	0.12
Ferric oxide, (Fe_2O_3)	3.80
Alumina, (Al_2O_3)	22.46
Lime, (CaO)	1.92
Magnesia, (MgO)	3.24
Soda and potash, (Na_2O, and K_2O)	1.35
Sulphur trioxide, (SO_3)	0.75
Loss on ignition, (H_2O, CO_2, Org.)	7.93
	99.45
Calcium carbonate, ($CaCO_3$), calculated	3.14
Sodium sulphate, (Na_2SO_4), calculated	1.34

Division	Name	Diameter in millimeters		Percent
1	Medium sand	1.0	–0.5	None
2	Sand	0.5	–0.15	0.04
3	Fine sand	0.15	–0.075	0.41
4	Very fine sand	0.075	–0.033	2.02
5	Silt	0.033	–0.008	3.86
6	Fine silt	0.008	–0.003	2.23
7	Very fine silt	0.003	–0.0015	17.62
8	Clay, finer than	.0015–		73.82

and which concentrated colloidal clays have the physical properties and characteristics as described, viz., of keeping the described suspendable bases of mud-laden fluids for the drilling of oil or gas wells in suspension practically indefinitely and of walling the bore hole; and

From the scope of each and every one of claims 10, 11, 12, 19, and 20 all bentonites except such as were properly described as "emulsoid colloids," viz., those having the

characteristics of water absorption and swelling with a consequent increase in volume.

2,088,227.—*Albert Edward Battye, John Thompson Marsh, Joseph Tankard, William Harling Watson,* and *Frederick Charles Wood,* Manchester, England. IMPREGNATION OF TEXTILE FABRICS. Patent dated July 27, 1937. Disclaimer filed Nov. 25, 1946, by the assignee, *Tootal Broadhurst Lee Company Limited.*

Hereby enters disclaimer to claims 1, 2, 3, 4, 5, and 7 in said specification.

2,383,219.—*Anthony E. Schwendner,* Ridley Park, Pa. CONTROL APPARATUS. Patent dated Aug. 21, 1945. Disclaimer filed Nov. 20, 1946, by the assignee, *Westinghouse Electric Corporation.*

Hereby enters this disclaimer to claims 1, 4, and 5 of said patent.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Nov. 25, 1946.*

Henry S. Kahn, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Saenz, Briones & Cia, No. 1100 Paseo Colon Street, Buenos Aires, Argentina, for registration of a trade-mark and trade-mark registered April 17, 1945, No. 413,253, to Henry S. Kahn, 114–16 28th Street, New York, N. Y., and registrant having indicated that the registered mark may now be owned by an unknown successor to his business, notice is hereby given that unless such successor shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The Philco Corporation has placed the following patents on the Register of Patents Available for Licensing or Sale by a letter reading as follows:

"Pursuant to Commissioner's Order #3936, dated May 17, 1945, creating "A Public Register of Patents Available for Licensing," this is to advise the Philco Corporation stands ready to grant non-exclusive licenses, under all of its patents and inventions, to licensees generally, on reasonable terms, for Radio Broadcast Receiving Sets, including Television, and for Electrical Phonographs.

Detailed information may be procured by addressing Philco Corporation, C and Tioga Streets, Philadelphia 34, Pa."

Pat. 2,232,532. KNIT FABRIC. Patented Feb. 18, 1941. Groups 22—21; 22—44; 22—99. Reg. No. 4,410.

Pat. 2,194,722. CABINET CONSTRUCTION. Patented Mar. 26, 1940. Group 25—11. Reg. No. 4,411.

Pat. 2,201,073. HORN TYPE LOUD-SPEAKER. Patented May 14, 1940. Group 25—11. Reg. No. 4,412.

Pat. 2,350,889. TELEVISION APPARATUS. Patented June 6, 1944. Group 25—11. Reg. No. 4,413.

Pat. 2,081,605. MEANS FOR PACKING ARTICLES WITHIN PACKING BOXES. Patented Oct. 22, 1935. Group 25—54. Reg. No. 4,414.

Pat. 2,050,118. METHOD OF TREATING WOOD SURFACES FOR PHOTOGRAPHIC REPRODUCTION THEREOF. Patented Aug. 4, 1936. Groups 28—12; 28—89. Reg. No. 4,415.

Pat. 2,115,656. MOTION RETARDING DEVICE. Patented Apr. 26, 1938. Group 33—59. Reg. No. 4,416.

Pat. 2,065,651. NOISE SUPPRESSION DEVICE FOR AUTOMOBILE RADIO RECEIVERS. Patented Dec. 29, 1936. Groups 33—73; 36—61; 38—31. Reg. No. 4,417.

Pat. 1,995,227. COIL WINDING MACHINE. Patented Mar. 19, 1935. Groups 35—52; 39—12. Reg. No. 4,418.

Pat. 1,989,015. METHOD OF MAKING SOUND REPRODUCING DIAPHRAGMS. Patented Jan. 22, 1935. Group 35—54. Reg. No. 4,419.

Pat. 1,772,893. ELECTRICAL RESISTANCE UNIT AND TERMINAL. Patented Aug. 12, 1930. Group 36—11. Reg. No. 4,420.

Pat. 1,806,627. BINDING POST. Patented May 26, 1931. Group 36—11. Reg. No. 4,421.

Pat. 2,405,109. MEANS FOR TRANSLATING MECHANICAL ENERGY. Patented Aug. 6, 1946. Group 36—19. Reg. No. 4,422.

The following patents entered as Register Numbers 4,423 to 4,675, inclusive, are grouped in 36—61.

Pat. 1,748,806. PHONE UNIT. Patented Feb. 25, 1930.

Pat. 1,754,105. RADIO RECEIVER CONTROL. Patented Apr. 8, 1930.

Pat. 1,759,745. CURRENT-RECTIFYING SYSTEM. Patented May 20, 1930.

Pat. 1,762,184. ACOUSTIC DEVICE. Patented June 10, 1930.

Pat. 1,771,330. RADIO CURRENT-SUPPLY DEVICE. Patented July 22, 1930.

Pat. 1,785,552. PORTABLE RADIO APPARATUS. Patented Dec. 16, 1930.

Pat. 1,802,345. PORTABLE RADIO APPARATUS. Patented Apr. 28, 1931.

Pat. 1,809,296. PORTABLE RADIO APPARATUS. Patented June 9, 1931.

Pat. 1,825,561. CONE-TYPE LOUD SPEAKER. Patented Sept. 29, 1931.

Pat. 1,829,219. PORTABLE RADIO APPARATUS. Patented Oct. 27, 1931.

Pat. 1,834,778. ELECTRICAL SYSTEM. Patented Dec. 1, 1931.

Pat. 1,834,820. ELECTRODYNAMIC SOUND REPRODUCING SYSTEM. Patented Dec. 1, 1931.

Pat. 1,837,125. ELECTRICAL SYSTEM. Patented Dec. 15, 1931.

Pat. 1,852,882. RADIO CURRENT SUPPLY CIRCUIT. Patented Apr. 5, 1932.

Pat. 1,866,462. RADIORECEIVER CONTROL. Patented July 5, 1932.

Pat. 1,868,943. ADJUSTABLE CONDENSER. Patented July 26, 1932.

Pat. 1,869,230. ELECTRICAL ELEMENT. Patented July 26, 1932.

Pat. 1,891,566. FLEXIBLE HINGE RING. Patented Dec. 20, 1932.

Pat. 1,895,989. NONMICROPHONIC RADIO APPARATUS. Patented Jan. 31, 1933.

Pat. 1,904,149. MEANS FOR ELIMINATING THE EFFECTS ON RADIO CIRCUITS OF SPARKING IN THE IGNITION SYSTEM OF AN INTERNAL COMBUSTION ENGINE. Patented Apr. 18, 1933.

Pat. 1,906,196. ELECTRODYNAMIC REPRODUCER. Patented Apr. 25, 1933.

Pat. 1,932,343. RADIO LOUD SPEAKER CABINET. Patented Oct. 24, 1933.

Pat. 1,946,423. VERNIER TUNING MECHANISM. Patented Feb. 6, 1934.

Pat. 1,966,607. VACUUM TUBE SYSTEM. Patented July 17, 1934.

Pat. 1,972,758. DIAL INDICATOR. Patented Sept. 4, 1934.

Pat. 1,975,745. ELECTRIC PHONOGRAPH. Patented Oct. 2, 1934.

Pat. 1,988,370. AUTOMATIC VOLUME CONTROL. Patented Jan. 15, 1935.

Pat. 1,909,275. METHOD OF ASSEMBLING ELECTRODYNAMIC SOUND REPRODUCERS. Patented May 16, 1933.

Pat. 2,035,295. RADIO TUBE SOCKET. Patented Mar. 24, 1936.

Pat. 2,041,106. INDICATING DEVICE FOR RADIO RECEIVERS. Patented May 19, 1936.

Pat. 2,045,361. PROTECTIVE SLEEVE FOR RESISTOR CONNECTER DEVICE. Patented June 23, 1936.

Pat. 2,045,362. RESISTOR CONNECTER DEVICE. Patented June 23, 1936.

Pat. 2,050,912. ANTENNA COUPLING DEVICE. Patented Aug. 11, 1936.

Pat. 2,054,893. IMAGE TRANSMISSION SYSTEM. Patented Sept. 22, 1936.

Pat. 2,059,929. SOUND REPRODUCING APPARATUS. Patented Nov. 3, 1936.

Pat. 2,061,710. AUTOMATIC VOLUME CONTROL. Patented Nov. 24, 1936.

Pat. 2,062,172. MULTIPLE AERIAL SWITCH. Patented Nov. 24, 1936.

Pat. 2,062,956. IMAGE SUPPRESSION SYSTEM. Patented Dec. 1, 1936.

Pat. 2,063,786. SHIELDING DEVICE. Patented Dec. 8, 1936.

Pat. 2,063,814. DEMODULATOR. Patented Dec. 8, 1936.

Pat. 2,069,131. TUNING INDICATOR FOR RADIO RECEIVERS. Patented Jan. 26, 1937.

Pat. 2,072,740. VOLUME CONTROL. Patented Mar. 2, 1937.

Pat. 2,074,896. ANTENNA SYSTEM FOR MULTRIBAND RADIO RECEIVERS. Patented Mar. 23, 1937.

Pat. 2,075,569. CONTROL AND INDICATOR DEVICE FOR RADIO RECEIVERS. Patented Mar. 30, 1937.

Pat. 2,081,127. ELECTRICAL SYSTEM. Patented May 18, 1937.

Pat. 2,086,465. AUTOMATIC VOLUME CONTROL SYSTEM. Patented July 6, 1937.

Pat. 2,090,538. VARIABLE BAND COUPLING DEVICE FOR SUPERHETERODYNE RADIO RECEIVERS. Patented Aug. 17, 1937.

Pat. 2,097,359. IMAGE SUPPRESSION CIRCUIT. Patented Oct. 26, 1937.

Pat. 2,100,232. FLEXIBLE COUPLING FOR RADIO VOLUME CONTROL OR THE LIKE. Patented Nov. 23, 1937.

Pat. 2,100,236. INTERCARRIER NOISE SUPPRESSOR. Patented Nov. 23, 1937.

Pat. 2,109,021. ELECTRICAL SYSTEM. Patented Feb. 22, 1938.

Pat. 2,115,624. FIXED CHANNEL SELECTING SYSTEM. Patented Apr. 26, 1938.

Pat. 2,115,653. CHASSIS MOUNTING FOR RADIO RECEIVERS AND THE LIKE. Patented Apr. 26, 1938.

Pat. 2,115,655. ANTENNA COUPLING CIRCUIT. Patented Apr. 26, 1938.

Pat. 2,120,884. REGULATOR SYSTEM. Patented June 14, 1938.

Pat. 2,141,338. DETECTOR CIRCUIT. Patented Dec. 27, 1938.

Pat. 2,141,343. ELECTRICAL SYSTEM. Patented Dec. 27, 1938.

Pat. 2,146,049. PUSH BUTTON VOLUME CONTROL DEVICE FOR RADIO RECEIVING SETS. Patented Feb. 7, 1939.

Pat. 2,146,654. AUTOMOBILE RADIO ANTENNA. Patented Feb. 7, 1939.

Pat. 2,148,328. ELECTRICAL SIGNAL APPARATUS. Patented Feb. 21, 1939.

Pat. 2,151,595. TUNING DEVICE FOR RADIO RECEIVERS OR THE LIKE. Patented Mar. 21, 1939.

Pat. 2,151,625. VARIABLE RESISTOR. Patented Mar. 21, 1939.

Pat. 2,151,829. VALVE AMPLIFYING CIRCUIT. Patented Mar. 28, 1939.

Pat. 2,153,583. HIGH FIDELITY RADIO RECEIVER. Patented Apr. 11, 1939.

Pat. 2,154,327. SIGNAL AMPLIFIER. Patented Apr. 11, 1939.

Pat. 2,159,546. ANTENNA COUPLING DEVICE FOR RADIO RECEIVERS. Patented May 23, 1939.

Pat. 2,165,467. COIL-CONDENSER ASSEMBLY FOR RADIO RECEIVERS. Patented July 11, 1939.

Pat. 2,168,978. CATHODE RAY DEFLECTING APPARATUS. Patented Aug. 8, 1939.

Pat. 2,168,984. CONSTRUCTION AND MANUFACTURE OF RADIO RECEIVERS. Patented Aug. 8, 1939.

Pat. 2,171,441. TUNING CONDENSER MOUNTING. Patented Aug. 29, 1939.

Pat. 2,171,537. METHOD AND APPARATUS FOR PRODUCING COMPOSITE SIGNALS. Patented Sept. 5, 1939.

Pat. 2,174,456. ELECTRICAL CIRCUIT FOR COMMUNICATION SYSTEMS. Patented Sept. 26, 1939.

Pat. 2,179,398. METHOD OF ASSEMBLING AND WELDING LOUD-SPEAKER PARTS. Patented Nov. 7, 1939.

Pat. 2,179,414. CONTRAST AMPLIFIER. Patented Nov. 7, 1939.

Pat. 2,179,417. COMPENSATING CONDENSER. Patented Nov. 7, 1939.

Pat. 2,181,064. TELEVISION SIGNAL SYSTEM. Patented Nov. 21, 1939.

Pat. 2,181,817. TONE CONTROL. Patented Nov. 28, 1939.

Pat. 2,188,918. AUTOMATIC POSITION-SELECTING DEVICE. Patented Feb. 6, 1940.

Pat. 2,189,688. MULTIBAND RADIO RECEIVER. Patented Feb. 6, 1940.

Pat. 2,196,352. SOUND REPRODUCING DEVICE. Patented Apr. 9, 1940.

Pat. 2,201,059. LOUD-SPEAKER. Patented May 14, 1940.

Pat. 2,201,938. IMAGE REJECTOR CIRCUIT FOR RADIO RECEIVERS. Patented May 21, 1940.

Pat. 2,203,442. ANTENNA CIRCUIT FOR RADIO RECEIVERS AND THE LIKE. Patented June 4, 1940.

Pat. 2,205,335. PUSH-PULL AMPLIFIER CIRCUIT. Patented June 18, 1940.

Pat. 2,206,181. REMOTE CONTROL FOR RADIO RECEIVERS. Patented July 2, 1940.

Pat. 2,206,798. RADIO TUBE AND SOCKET STRUCTURE. Patented July 2, 1940.

Pat. 2,206,799. RADIO TUBE SOCKET. Patented July 2, 1940.

Pat. 2,206,926. STEP-BY-STEP SWITCH. Patented July 9, 1940.

Re. 22,087. TUNING CONTROL DEVICE FOR RADIO RECEIVERS AND THE LIKE. Reissued May 5, 1942. (Original No. 2,211,041, dated Aug. 13, 1940.)

Pat. 2,211,073. POWER SUPPLY CIRCUIT. Patented Aug. 13, 1940.

Pat. 2,213,103. ENERGY ABSORBING DEVICE. Patented Aug. 27, 1940.

Pat. 2,213,104. CONTROLLABLE ENERGY DISSIPATOR. Patented Aug 27, 1940.

Pat. 2,221,668. FLEXIBLE SHAFT COUPLING. Patented Nov. 12, 1940.

Pat. 2,221,700. NOISE LIMITING CIRCUIT. Patented Nov. 12, 1940.

Pat. 2,221,728. NOISE-LIMITING CIRCUIT FOR CARRIER WAVE COMMUNICATION SYSTEMS. Patented Nov. 12, 1940.

Pat. 2,224,794. SIGNAL AMPLITUDE LIMITING CIRCUITS. Patented Dec. 10, 1940.

Pat. 2,226,459. SIGNAL-DERIVING CIRCUIT. Patented Dec. 24, 1940.

Pat. 2,228,174. RADIO RECEIVER. Patented Jan. 7, 1941.

Pat. 2,230,923. DEVICE FOR SUPPORTING RADIO COILS AND THE LIKE. Patented Feb. 4, 1941.

Pat. 2,230,926. TIMING SIGNAL CIRCUITS. Patented Feb. 4, 1941.

Pat. 2,231,792. SYNCHRONIZING SYSTEM AND METHOD. Patented Feb. 11, 1941.

Pat. 2,232,681. POWER DIVISION IN ELECTROMECHANICAL SYSTEMS. Patented Feb. 25, 1941.

Pat. 2,233,317. AMPLIFIER FOR TELEVISION SYSTEM. Patented Feb. 25, 1941.

Pat. 2,233,339. RADIO DETECTING SYSTEM. Patented Feb. 25, 1941.

Pat. 2,234,875. MODULATING SYSTEM. Patented Mar. 11, 1941.

Pat. 2,236,705. COMPOSITE SIGNAL DEVICE. Patented Apr. 1, 1941.

Pat. 2,236,708. CATHODE RAY TUBE VESSEL. Patented Apr. 1, 1941.

Pat. 2,240,420. ELECTRICAL SYSTEM. Patented Apr. 29, 1941.

Pat. 2,240,422. SYNCHRONIZING CIRCUIT. Patented Apr. 29, 1941.

Pat. 2,240,428. ELECTRICAL CIRCUITS. Patented Apr. 29, 1941.

Pat. 2,240,600. AUTOMATIC GAIN CONTROL SYSTEM. Patented May 6, 1941.

Pat. 2,240,601. AUTOMATIC GAIN CONTROL SYSTEM. Patented May 6, 1941.

Pat. 2,240,605. WIDE BAND AMPLIFIER. Patented May 6, 1941.

Pat. 2,240,606. ELECTRON BEAM DEFLECTING YOKE. Patented May 6, 1941.

Pat. 2,242,983. PHOTOELECTRIC PHONOGRAPH. Patented May 20, 1941.

Pat. 2,243,504. GRID MODULATED AMPLIFIER. Patented May 27, 1941.

Pat. 2,244,601. POSITIONING MECHANISM. Patented June 3, 1941.

Pat. 2,247,171. RADIO-PHONOGRAPH COMBINATION. Patented June 24, 1941.

Pat. 2,247,316. VARIABLE GAIN AMPLIFIER. Patented June 24, 1941.

Pat. 2,247,324. NOISE-LIMITING CIRCUITS FOR CARRIER WAVE COMMUNICATION SYSTEMS. Patented June 24, 1941.

Pat. 2,248,678. TUNING DEVICE FOR RADIO RECEIVERS OR THE LIKE. Patented July 8, 1941.

Pat. 2,249,129. LOOP ANTENNA CIRCUIT. Patented July 15, 1941.

Pat. 2,249,674. CIRCUIT CONTROLLING AND IMPULSE SENDING DEVICE. Patented July 15, 1941.

Pat. 2,249,717. IMPULSE SENDING DEVICE. Patented July 15, 1941.

Pat. 2,250,370. ALL-WAVE LOOP RECEIVER. Patented July 22, 1941.

Pat. 2,250,371. WIRELESS REMOTE CONTROL SYSTEM FOR RADIO-PHONOGRAPH COMBINATIONS. Patented July 22, 1941.

Pat. 2,251,851. ELECTRON-BEAM DEFLECTING CIRCUIT. Patented Aug. 5, 1941.

Pat. 2,252,609. WIDE-BAND COUPLING CIRCUITS. Patented Aug. 12, 1941.

Pat. 2,252,612. DIRECT AND ALTERNATING CURRENT AMPLIFIER. Patented Aug. 12, 1941.

Pat. 2,252,613. SIGNAL TRANSMISSION SYSTEM. Patented Aug. 12, 1941.

Pat. 2,252,796. CONTROL MECHANISM. Patented Aug. 19, 1941.

Pat. 2,253,450. AUTOMATIC VOLUME CONTROL SYSTEM. Patented Aug. 19, 1941.

Pat. 2,256,270. LOUD-SPEAKER. Patented Sept. 16, 1941.

Pat. 2,257,022. ROTARY INDICATING DEVICE. Patented Sept. 23, 1941.

Pat. 2,257,250. LOOP EQUIPPED RADIO RECEIVER. Patented Sept. 30, 1941.

Pat. 2,259,658. MODULATING SYSTEM. Patented Oct. 21, 1941.

Pat. 2,261,203. RADIO RECEIVER. Patented Nov. 4, 1941.

Pat. 2,262,956. ANTENNA COUPLING CIRCUITS. Patented Nov. 18, 1941.

Pat. 2,265,883. SIGNAL AMPLITUDE LIMITING CIRCUIT. Patented Dec. 9, 1941.

Pat. 2,272,929. POSITIONING DEVICE. Patented Feb. 10, 1942.

Pat. 2,273,934. NOISE LIMITING DEVICE. Patented Feb. 24, 1942.

Pat. 2,273,938. TURNTABLE SPEED GOVERNOR. Patented Feb. 24, 1942.

Pat. 2,273,955. LOOP ANTENNA. Patented Feb. 24, 1942.

Pat. 2,273,978. CONTROL CIRCUIT FOR GAS TRIODES. Patented Feb. 24, 1942.

Pat. 2,274,564. STEP BY STEP POSITIONING DEVICE. Patented Feb. 24, 1942.

Pat. 2,274,567. CIRCUIT CONTROLLING AND IMPULSE SENDING DEVICE. Patented Feb. 24, 1942.

Pat. 2,274,586. CATHODE RAY TUBE. Patented Feb. 24, 1942.

Pat. 2,275,581. MEANS FOR RAPID HEATING OF ELECTRON DISCHARGE TUBE FILAMENTS. Patented Mar. 10, 1942.

Pat. 2,275,587. SIGNAL COMBINING NETWORK. Patented Mar. 10, 1942.

Pat. 2,277,000. SYNCHRONIZING SYSTEM. Patented Mar. 17, 1942.

Pat. 2,280,670. CATHODE RAY TUBE CIRCUIT. Patented Apr. 21, 1942.

Pat. 2,281,395. NOISE LIMITING CIRCUITS. Patented Apr. 28, 1942.

Pat. 2,281,488. RADIO RECEIVER. Patented Apr. 28, 1942.

Pat. 2,285,247. CONTROL DEVICE FOR RADIO RECEIVERS AND THE LIKE. Patented June 2, 1942.

Pat. 2,287,726. AUTOMATIC PHONOGRAPH. Patented June 23, 1942.

Pat. 2,287,727. AUTOMATIC PHONOGRAPH. Patented June 23, 1942.

Pat. 2,288,434. AUTOMATIC GAIN CONTROL SYSTEM. Patented June 30, 1942.

Pat. 2,288,554. SYNCHRONIZING SYSTEM AND METHOD. Patented June 30, 1942.

Pat. 2,289,291. WIDE-BAND AMPLIFIER. Patented July 7, 1942.

Pat. 2,290,084. DEGENERATIVE FEEDBACK CIRCUIT. Patented July 14, 1942.

Pat. 2,294,341. SYNCHRONIZING CIRCUIT AND THE LIKE. Patented Aug. 25, 1942.

Pat. 2,295,460. PHONOGRAPH TRIP MECHANISM. Patented Sept. 8, 1942.

Pat. 2,296,721. TUNING MECHANISM. Patented Sept. 22, 1942.

Pat. 2,296,727. DEFLECTING OUTPUT CIRCUITS FOR CATHODE RAY TUBES. Patented Sept. 22, 1942.

Pat. 2,296,745. FILTER CIRCUIT FOR RECTIFIED ALTERNATING CURRENT. Patented Sept. 22, 1942.

Pat. 2,296,755. RADIO CONTROL DEVICE. Patented Sept. 22, 1942.

Pat. 2,296,760. STEP-BY-STEP SWITCH. Patented Sept. 22, 1942.

Pat. 2,297,152. AUTOMATIC RADIO TUNING CONTROL. Patented Sept. 29, 1942.

Pat. 2,297,618. REMOTE CONTROL SYSTEM. Patented Sept. 29, 1942.

Pat. 2,301,091. AUTOMATIC PHONOGRAPH. Patented Nov. 3, 1942.

Pat. 2,302,520. DETECTOR COUPLING CIRCUIT. Patented Nov. 17, 1942.

Pat. 2,304,713. NOISE REDUCTION IN ELECTRIC TRANSMISSION SYSTEMS. Patented Dec. 8, 1942.

Pat. 2,307,170. PHONOGRAPH TRIP MECHANISM. Patented Jan. 5, 1943.

Pat. 2,310,304. FREQUENCY MODULATION RADIO RECEIVER. Patented Feb. 9, 1943.

Pat. 2,310,324. MODULATING SYSTEM. Patented Feb. 9, 1943.

Pat. 2,312,145. ELECTRICAL SIGNAL SEPARATING CIRCUITS. Patented Feb. 23, 1943.

Pat. 2,312,181. MULTIPLE TUBE SOCKET STRUCTURE. Patented Feb. 23, 1943.

Pat. 2,313,652. ADJUSTABLE ANTENNA FOR VEHICLES. Patented Mar. 9, 1943.

Pat. 2,313,653. TUNING MECHANISM. Patented Mar. 9, 1943.

Pat. 2,316,076. LIMITED RANGE WIRELESS TRANSMITTER. Patented Apr. 6, 1943.

Pat. 2,316,113. PHOTOELECTRIC PHONOGRAPH. Patented Apr. 6, 1943.

Pat. 2,316,857. PHONOGRAPH DRIVE MECHANISM. Patented Apr. 20, 1943.

Pat. 2,316,858. TURNTABLE DRIVE MECHANISM. Patented Apr. 20, 1943.

Pat. 2,318,516. HIGH FREQUENCY ANTENNA SYSTEM. Patented May 4, 1943.

Pat. 2,319,663. VOLUME CONTROL CIRCUITS. Patented May 18, 1943.

Pat. 2,322,126. LOOP ANTENNA SYSTEM. Patented June 15, 1943.

Pat. 2,322,621. ELECTROACOUSTIC TRANSDUCER. Patented June 22, 1943.

Pat. 2,325,789. PILOT LIGHT CIRCUIT FOR RADIO RECEIVERS AND THE LIKE. Patented Aug. 3, 1943.

Pat. 2,325,807. PHONOGRAPH MOUNTING. Patented Aug. 3, 1943.

Pat. 2,330,697. ELECTROACOUSTIC TRANSDUCER. Patented Sept. 28, 1943.

Pat. 2,330,902. DETECTOR AND AUTOMATIC VOLUME CONTROL CIRCUIT FOR FREQUENCY-MODULATION RECEIVERS. Patented Oct. 5, 1943.

Pat. 2,332,540. METHOD AND APPARATUS FOR RECEIVING FREQUENCY MODULATED WAVES. Patented Oct. 26, 1943.

Pat. 2,335,168. EXCITER LAMP FOR USE IN PHOTOELECTRIC DEVICES. Patented Nov. 23, 1943.

Pat. 2,335,205. SUPPORTING MEANS FOR RADIO COIL UNITS AND THE LIKE. Patented Nov. 23, 1943.

Pat. 2,228,399. MEANS FOR REDUCING DISTURBANCES IN CONCENTRIC LINES. Patented Jan. 4, 1944.

Pat. 2,339,619. LOOP ANTENNA. Patented Jan. 18, 1944.

Pat. 2,339,981. AUTOMATIC PHONOGRAPH. Patented Jan. 25, 1944.

Pat. 2,340,806. SOUND RECORDING APPARATUS. Patented Feb. 1, 1944.

Pat. 2,341,396. ELECTRIC DISCHARGE CIRCUIT. Patented Feb. 8, 1944.

Pat. 2,341,482. MULTISPEED MOTOR. Patented Feb. 8, 1944.

Pat. 2,347,248. ALTERNATE CARRIER TELEVISION SYSTEM. Patented Apr. 25, 1944.

Pat. 2,348,660. PHONOGRAPH. Patented May 9, 1944.

Pat. 2,350,277. VOLUME CONTROL FOR RADIO-PHONOGRAPHS. Patented May 30, 1944.

Pat. 2,350,866. ADJUSTABLE AUTOMOBILE ANTENNA. Patented June 6, 1944.

Pat. 2,352,458. TEMPERATURE COMPENSATOR FOR INDUCTANCE COILS. Patented June 27, 1944.

Pat. 2,352,542. AUTOMATIC PHONOGRAPH. Patented June 27, 1944.

Pat. 2,354,959. AMPLITUDE- AND FREQUENCY-MODULATION RADIO RECEIVER. Patented Aug. 1, 1944.

Pat. 2,355,701. AUTOMATIC GAIN CONTROL FOR TELEVISION RECEIVERS. Patented Aug. 15, 1944.

Pat. 2,356,140. AUTOMATIC GAIN CONTROL AND AMPLITUDE SELECTION DEVICE. Patented Aug. 22, 1944.

Pat. 2,356,141. SYNCHRONIZING CIRCUIT. Patented Aug. 22, 1944.

Pat. 2,356,483. FREQUENCY CONTROL SYSTEM. Patented Aug. 22, 1944.

Pat. 2,357,237. REMOTE CONTROL SYSTEM FOR RADIO RECEIVERS AND THE LIKE. Patented Aug. 29, 1944.

Pat. 2,359,808. PHONOGRAPH. Patented Oct. 10, 1944.

Pat. 2,361,282. PUSH-PULL ELECTRON TUBE SYSTEM. Patented Oct. 24, 1944.

Pat. 2,367,110. AUDIO AMPLIFIER SYSTEM. Patented Jan. 9, 1945.

Pat. 2,368,743. CONTROLLING AND INDICATING APPARATUS. Patented Feb. 6, 1945.

Pat. 2,369,614. METHOD AND APPARATUS FOR REDUCING ECHO EFFECTS IN PICTURE TRANSMISSION SYSTEMS. Patented Feb. 13, 1945.

Pat. 2,369,621. FREQUENCY MODULATION RECEIVER. Patented Feb. 13, 1945.

Pat. 2,372,876. METHOD AND APPARATUS FOR REDUCING ECHO EFFECTS IN PICTURE TRANSMISSION SYSTEMS. Patented Apr. 3, 1945.

Pat. 2,373,660. ANTENNA. Patented Apr. 17, 1945.

Pat. 2,374,071. AMPLIFIER CIRCUITS. Patented Apr. 17, 1945.

Pat. 2,374,080. AUTOMATIC PHONOGRAPH. Patented Apr. 17, 1945.

Pat. 2,375,309. HIGH-FREQUENCY TRANSFORMER. Patented May 8, 1945.

Pat. 2,378,509. DRIVE FOR HOME RECORDERS. Patented June 19, 1945.

Pat. 2,378,510. INDEXING DEVICE FOR HOME RECORDERS. Patented June 19, 1945.

Pat. 2,378,819. FREQUENCY MODULATION DETECTOR AND CONVERTER. Patented June 19, 1945.

Pat. 2,378,873. VOLTAGE REGULATOR. Patented June 19, 1945.

Pat. 2,378,875. CATHODE RAY TELEVISION TUBE. Patented June 19, 1945.

Pat. 2,379,782. PHONOGRAPH PICKUP. Patented July 3, 1945.

Pat. 2,380,603. VARIABLE CONDENSER. Patented July 31, 1945.

Pat. 2,381,079. VARIABLE SPEED PHONOGRAPH DRIVE. Patented Aug. 7, 1945.

Pat. 2,386,087. METHOD AND APPARATUS FOR REDUCING ECHO EFFECTS IN PICTURE TRANSMISSION SYSTEMS. Patented Oct. 2, 1945.

Pat. 2,386,088. METHOD AND APPARATUS FOR REDUCING ECHO EFFECTS IN PICTURE TRANSMISSION SYSTEMS. Patented Oct. 2, 1945.

Pat. 2,386,089. PHONOGRAPH PICKUP DEVICE. Patented Oct. 2, 1945.

Pat. 2,388,203. VIEWING DEVICE FOR CATHODE-RAY TUBE SCREENS AND THE LIKE. Patented Oct. 30, 1945.

Pat. 2,388,505. TONE COMPENSATED VOLUME CONTROL. Patented Nov. 6, 1945.

Pat. 2,388,567. PORTABLE RADIO RECEIVER. Patented Nov. 6, 1945.

Pat. 2,388,650. RADIO TUBE CLAMP. Patented Nov. 6, 1945.

Pat. 2,388,761. TELEVISION APPARATUS. Patented Nov. 13, 1945.

Pat. 2,388,884. TWO-SPEED MOTOR. Patented Nov. 13, 1945.

Pat. 2,391,386. HARMONIC GENERATOR. Patented Dec. 25, 1945.

Pat. 2,397,233. GRID STRUCTURE FOR VACUUM TUBES AND THE LIKE. Patented Mar. 26, 1946.

Pat. 2,397,306. PORTABLE RADIO RECEIVER. Patented Mar. 26, 1946.

Pat. 2,398,050. VACUUM TUBE SYSTEM. Patented Apr. 9, 1946.

Pat. 2,398,691. WIDE BAND AMPLIFIER. Patented Apr. 16, 1946.

Pat. 2,399,091. AMPLITUDE LIMITING SYSTEM. Patented Apr. 23, 1946.

Pat. 2,399,585. STYLUS DEVICE. Patented Apr. 30, 1946.

Pat. 2,403,349. COMBINATION COIL AND CONDENSER. Patented July 2, 1946.

Pat. 2,404,270. BAND PASS WAVE FILTER. Patented July 16, 1946.

Pat. 2,405,277. TUNING APPARATUS. Patented Aug. 6, 1946.

Pat. 2,405,515. AMPLIFIER COUPLING DEVICE. Patented Aug. 6, 1946.

Pat. 2,406,961. DEVICE FOR USE WITH HELICALLY-WOUND COILS. Patented Sept. 3, 1946.

Pat. 2,407,458. HIGH-VOLTAGE REGULATOR CIRCUIT. Patented Sept. 10, 1946.

Pat. 1,723,154. ELECTROLYTIC CELL AND SOLUTION THEREFOR. Patented Aug. 6, 1929. Group 36—91. Reg. No. 4,676.

Pat. 1,723,155. SOLUTION FOR ELECTROLYTIC CELLS. Patented Aug. 6, 1929. Group 36—91. Reg. No. 4,677.

Pat. 1,781,641. ELECTROLYTIC CELL. Patented Nov. 11, 1930. Group 36—91. Reg. No. 4,678.

Pat. 1,845,047. ELECTROLYTIC CELL AND MOUNTING THEREFOR. Patented Feb. 16, 1932. Group 36—91. Reg. No. 4,679.

Pat. 2,010,758. ELECTROLYTIC CONDENSER INSULATION. Patented Aug. 6, 1935. Group 36—91. Reg. No. 4,680.

Pat. 2,405,915. ELECTRON TUBE AND METHOD OF MAKING THE SAME. Patented Aug. 13, 1946. Group 36—92. Reg. No. 4,681.

Pat. 2,230,898. FASTENER ATTACHED STRUCTURE AND FASTENER FOR THE SAME. Patented Feb. 4, 1941. Group 39—99. Reg. No. 4,682.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 24, 1946

[VOL. 593. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b), of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 495,564. AMERICAN SPONGE & CHAMOIS CO. INC., New York, N. Y. Filed Jan. 29, 1946.

PLEX

FOR CELLULOSE SPONGES FOR APPLYING AND REMOVING COSMETICS.
Claims use since Dec. 31, 1941.

Ser. No. 509,545. PHILIP R. TEMPLE, doing business as Aloha Flower Co., Milford, Mass. Filed Sept. 21, 1946.

ALOHA

FOR FRESH CUT FLOWERS.
Claims use since July 17, 1946.

CLASS 2

RECEPTACLES

Ser. No. 484,381. ALLIED PLASTICS COMPANY, Los Angeles, Calif., assignor to Allied Plastics Company, a corporation of California. Filed June 11, 1945.

Ziegfeld

Petticoat Girl

The surname "Ziegfeld" is disclaimed apart from the mark.
FOR COMPACTS MADE OF PLASTICS AND/OR BASE METALS AND SOLD IN THE TRADE EMPTY.
Claims use since Apr. 19, 1945.

Ser. No. 493,538. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed Dec. 19, 1945.

KITCHEN JUMBO

The word "Kitchen" is disclaimed apart from the mark.
FOR WASTE PAPER BASKETS.
Claims use since Nov. 27, 1945.

Ser. No. 494,107. WARREN O. NICHOLS, doing business as Nichols Plastic and Engineering Company, Los Angeles, Calif. Filed Dec. 29, 1945.

PLASTIWARE

FOR SALT AND PEPPER SHAKERS, FRUIT DISHES, CEREAL BOWLS, SERVING BOWLS, DINNER PLATES, CHOP PLATES, TUMBLERS, BABY DISHES, STRAINER CUPS, GRILL PLATES, AND CUPS AND SAUCERS, ALL OF WHICH ARE FORMED OF PLASTIC MATERIAL.
Claims use since Aug. 31, 1944.

Ser. No. 495,039. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Jan. 19, 1946.

"AS YOU LIKE IT"

FOR VANITY CASES, COMPACTS, AND LIPSTICK HOLDERS MADE OF BASE METAL AND PLASTIC AND SOLD IN TRADE EMPTY.
Claims use since Dec. 31, 1945.

Ser. No. 505,142. JOSEPH B. MCKEE, doing business as Multi Mfg. Co., Los Angeles, Calif. Filed July 1, 1946.

Shake-Master

The exclusive right to the use of the word "Shake" apart from the mark is disclaimed.
FOR SALT AND PEPPER SHAKERS NOT MADE OF PRECIOUS METALS.
Claims use since Mar. 11, 1946.

Ser. No. 510,137. U. S. FIBER & PLASTICS CORP., Stirling, N. J. Filed Oct. 2, 1946.

MILLION AIR

FOR BAGS MADE OF PLASTIC SHEETING.
Claims use since Sept. 12, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 487,629. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis. Filed Aug. 27, 1945.



The trade-mark consists of a plurality of spaced bars each comprising two red and one yellow stripe in alternation, as indicated in the accompany drawing which is hatched for the color yellow and lined for the color red.
FOR HAND LUGGAGE AND TRUNKS—VIZ., SUIT CASES, TRAY CASES, WARDROBE CASES, FITTED TRAVELING CASES, VISITING CASES, COSMETIC CASES, VICTORIA CASES, HAT CASES, HAT AND SHOE CASES, PULLMAN CASES, TOPS-UP BOXES, ZIPPER BAGS, CLUB BAGS, DRESS TRUNKS, WARDROBE TRUNKS, PACKING TRUNKS, STEAMER TRUNKS, AND TAXI TRUNKS.
Claims use since Feb. 25, 1945.

Ser. No. 494,153. WHEARY INCORPORATED, Racine, Wis. Filed Dec. 29, 1945.

Slipstream

FOR HAND LUGGAGE AND TRUNKS.
Claims use since Feb. 15, 1945.

Ser. No. 494,154. WHEARY INCORPORATED, Racine, Wis. Filed Dec. 29, 1945.

Streamgard

FOR HAND LUGGAGE AND TRUNKS.
Claims use since Feb. 15, 1935.

Ser. No. 498,799. HENRY KING ROSENBAUM, New York, N. Y. Filed Mar. 22, 1946.

VISA-COIN

The word "Coin" is disclaimed apart from the mark.
FOR COIN CASES.
Claims use since Mar. 20, 1946.

Ser. No 499,313. PAUL BROWN COMPANY INC., New York, N. Y. Filed Mar. 30, 1946.

FB

FOR LADIES' HANDBAGS.
Claims use since Aug. 1, 1943.

Ser. No. 499,762. BOSTONIAN MFG. CORP., New York, N. Y. Filed Apr. 6, 1946.

Summer Snow

FOR HANDBAGS.
Claims use since Nov. 15, 1945.

Ser. No. 499,891. DUREX MANUFACTURING CORPORATION, New York, N. Y. Filed Apr. 9, 1946.

DUREX

FOR LEATHER GOODS—NAMELY, BRIEF CASES, PORTFOLIOS, TRAVELLING BAGS, SUIT CASES, MUSIC CASES, BILL FOLDS, POCKETBOOKS, CATALOG CASES, SAMPLE CASES, OVERNIGHT CASES, AND COMPOSITE OVERNIGHT AND BRIEF CASES.
Claims use since Mar. 14, 1946.

Ser. No. 500,764. NATIONAL RING & LEATHER CORPORATION, Mansfield, Ohio. Filed Apr. 23, 1946.

LORD MULTI

FOR WALLETS.
Claims use since July 1, 1944.

Ser. No. 501,153. ASCOT LTD., INC., New York, N. Y. Filed Apr. 30, 1946.

Confidentially Yours

FOR COMBINATION PURSE AND BILLFOLD.
Claims use since Apr. 16, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 481,257. THE AMERICAN PRODUCTS COMPANY, doing business as Zanol Products Company, Cincinnati, Ohio. Filed Mar. 17, 1945.

JIFFY

FOR CLEANING, SCOURING AND POLISHING SUBSTANCES AND ARTICLES—VIZ., FOR A PREPARATION FOR CLEANING UPHOLSTERY AND RUGS; FOR CLEANING PASTE FOR GENERAL HOUSEHOLD CLEANING AND BEING IN THE NATURE OF A SOFT SOAP AND SOLVENT FOR AND REMOVER OF OILS, GREASE, DIRT AND GRIME FROM VARIOUS SURFACES SUCH AS LINOLEUMS, OIL CLOTH, PAINTED SURFACES, WOODWORK, VITREOUS ARTICLES, STOVES, PORCELAIN AND THE LIKE; FOR HAND SOAP IN BAR, FLAKE, PASTE AND COMMINUTED FORMS; FOR SHOE CLEANER; FOR SHOE POLISH; FOR SPOT REMOVER; FOR SHAMPOO PREPARATION FOR CLEANING HOSIERY, LINGERIE AND OTHER ARTICLES MADE OF FINE FABRICS, SILK, RAYON, NYLON AND SIMILAR YARNS; FOR GLASS CLEANER; CHEMICAL PREPARATIONS FOR CLEANING AND POLISHING DISHES, SILVERWARE, POTS, PANS, VITREOUS SURFACES, ENAMELWARE, PORCELAIN, CHINA, GLASSWARE AND FINISHED SURFACES OF WOOD, COMPOSITION AND METAL; CHEMICAL PREPARATION FOR USE ON FABRICS FOR REMOVING SPOTS AND SOIL THEREFROM; FOR SOAP FLAKES; FOR METAL POLISH; FOR CLEANING, SCOURING AND POLISHING PADS; FOR DISH CLEANER AND WATER SOFTENER HAVING DETERGENT AND OTHER PROPERTIES OF SOAP, FOR CLEANING AND POLISHING DISHES, SILVERWARE, CHINA, GLASSWARE, ETC.; GLASS CLEANER; LAUNDRY SOAPS AND METAL POLISHING CLOTHS.
Claims use since Sept. 1, 1915.

Ser. No. 499,089. UNITED CHROMIUM, INCORPORATED, New York, N. Y. Filed Mar. 27, 1946.

UNICHROME

FOR CLEANING COMPOSITIONS FOR USE IN MAKING UP SOLUTIONS USED FOR CLEANING METALS PREPARATORY TO ELECTROPLATING.
Claims use since Sept. 24, 1943.

Ser. No. 499,719. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Apr. 5, 1946.

INTERVALLE

FOR TOILET SOAPS.
Claims use since Mar. 19, 1946.

Ser. No. 506,653. JOHN J. DRAINE, doing business as Laundex Chemical Products Co., New York, N. Y. Filed Aug. 1, 1946.

LAUNDEX

FOR CHEMICAL PREPARATION USED BEFORE AND AFTER METAL ELECTRO-PLATING FOR CLEANING METAL PLATE SURFACES.
Claims use since 1929.

CLASS 5

ADHESIVES

Ser. No. 510,399. LITTLE BEAR SPECIALTIES CO., INC., Kansas City, Mo. Filed Oct. 7, 1946.



LITTLE BEAR

FOR LIQUID FABRIC CEMENT.
Claims use since Mar. 1, 1923.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 467,508. THE AMERICAN PRODUCTS COMPANY, doing business as Zanol Products Company, Cincinnati, Ohio. Filed Feb. 18, 1944.

JIFFY

FOR CHEMICAL PREPARATION USED AS A WATER SOFTENER; LAUNDRY STARCH; IRONING TABLETS; CHEMICAL PREPARATION USED AS A DRAIN PIPE OPENER; CHEMICAL PREPARATION FOR PREVENTING RUST AND FOR POLISHING METAL SURFACES; CHEMICAL PREPARATION USED AS FLUSH BOWL CLEANER; CHEMICAL PREPARATION USED FOR DEODORIZING AND PURIFYING HOUSEHOLD REFRIGERATORS AND THE LIKE.
Claims use since Sept. 1, 1915.

Ser. No. 474,859. LENTHERIC, INCORPORATED, New York, N. Y. Filed Oct. 3, 1944.

RÉUNION

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since Sept. 13, 1944.

Ser. No. 482,183. HARRY A. SIMON, doing business as La Floreal Parfum Sales Co., Hollywood, Calif. Filed Apr. 14, 1945.

Violet Time

Applicant disclaims exclusive right to the use of "Violet" per se, apart from the mark.
FOR PERFUMES AND COLOGNES.
Claims use since Mar. 5, 1945.

Ser. No. 482,396. IVOR RICH, New York, N. Y. Filed Apr. 20, 1945.

Kiss'n make-up

No claim is made to the words "Make-Up" apart from the mark.
FOR LIPSTICKS.
Claims use since Nov. 18, 1944.

Ser. No. 486,090. ENOZ CHEMICAL COMPANY, Chicago, Ill. Filed July 21, 1945.

ENOZONE

FOR INSECTICIDE, MOTH SPRAY, AND MOTH AND LARVAE INHIBITOR.
Claims use since Nov. 30, 1934.

Ser. No. 486,159. NUTRITIONAL RESEARCH ASSOCIATES, INC., South Whitley, Ind. Filed July 23, 1945.

CHICADEE

FOR MEDICINAL FEEDING PREPARATION IN DRY, GRANULAR, OR POWDERED FORM USED IN POULTRY FEEDS AS AN AID IN THE PREVENTION OF RICKETS.
Claims use since Apr. 1, 1944.

Ser. No. 486,674. RICHARD HUDNUT, New York, N. Y. Filed Aug. 3, 1945.

BAND CONCERT

FOR LIPSTICK.
Claims use since June 5, 1945.

Ser. No. 489,456. ALBERTO CAIMI GARMENDIA, Buenos Aires, Argentina. Filed Oct. 5, 1945.



FOR NAIL POLISH, LIPSTICK, ROUGE, EYE SHADOW, SACHET POWDERS, HAIR SHAMPOO, HAIR TONIC, LEG MAKE-UP, TALCUM POWDER, FACE POWDER, DUSTING POWDER, MAKE-UP CREAM, DEODORANT, ASTRINGENT, PERFUME, COLOGNE, AFTER-SHAVING LOTION, BATH SALTS, BATH OILS, HAND LOTION, HAND CREAM, TOILET WATER, MASCARA, EYEBROW AND EYELASH DARKENER, BUBBLE BATH, EYEBROW PENCIL, LIP POMADE, PERFUME EXTRACTS, FACE LOTIONS, AND SKIN OILS.
Claims use since 1931.

Ser. No. 491,213. PARFUMS DE RENEL, INC., New York, N. Y. Filed Nov. 7, 1945.

Provocative

FOR PERFUME, TOILET WATER, BRILLIANTINE, FACE POWDER, AFTER SHAVING LOTION, AND SACHET POWDER.
Claims use since Dec. 5, 1943.

Ser. No. 494,585. THE TISSUE PRODUCTS CO., New York, N. Y. Filed Jan. 10, 1946.

WIFFS

FOR MENTHOLATED FACIAL TISSUE TREATED WITH MENTHOL AND PINE OIL.
Claims use since Sept. 20, 1945.

Ser. No. 494,814. THE CHEMDRUG CORPORATION, New York, N. Y. Filed Jan. 16, 1946.

Lavensage

FOR PERFUMED SACHET IN POWDER FORM.
Claims use since Jan. 7, 1946.

Ser. No. 495,403. NOVA CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 25, 1946.

NOVAPRINT

FOR DYESTUFFS AND PIGMENT COLORS FOR USE IN COLORING TEXTILES, LEATHERS, AND PAPERS.
Claims use since Jan. 9, 1946.

Ser. No. 496,181. VITAMINS & PHARMACEUTICALS, INC., Dover, Del. Filed Feb. 7, 1946.

KALVIGEN

FOR DOUBLE SALT OF CALCIUM ASCORBATE ACETYLSALICYLATE WITH VITAMIN K, HAVING USE AS AN ANALGESIC.
Claims use since Dec. 12, 1945.

Ser. No. 496,548. DOHO CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 14, 1946.

AURALMICIN

FOR EAR DROPS.
Claims use since December 1944.

Ser. No. 496,919. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 19, 1946.

FIBROGEN

FOR BLOOD COAGULANT.
Claims use since Jan. 1, 1923.

Ser. No. 497,025. MARVIN GORDON, New York, N. Y., assignor to Carosel Parfum Co., New York, N. Y. Filed Feb. 21, 1946.



FOR TOILET WATER.
Claims use since Sept. 19, 1944.

Ser. No. 497,418. ANTHONY P. SARDOU, doing business as A. P. Sardou Laboratories, Albany, N. Y. Filed Feb. 28, 1946.



The drawing is lined for the color green. No claim is made to the word "Sardou's" or to the word "Cream" separate and apart from the other features of the mark.
FOR MEDICATED CREAM ADAPTED FOR THE TREATMENT OF SIOCOSIS, ROSE ACNE, AND PILES.
Claims use since March 1933.

Ser. No. 497,759. EVELYN WESTALL, doing business as Parfums Felice Co., New York, N. Y. Filed Mar. 6, 1946.

NIGHT of NIGHTS

FOR PERFUME AND TOILET WATER.
Claims use since Mar. 1, 1946.

Ser. No. 498,582. ANTOINE CHIRIS COMPANY, INC., New York, N. Y. Filed Mar. 20, 1946.



FOR FIXED OILS—NAMELY, ALMOND OIL AND OIL OF APRICOT KERNELS, USED IN THE MAKING OF COMPOUNDS FOR THE PERFUMING OF SOAPS AND COSMETICS AND FOR MAKING PERFUMES.
Claims use since Mar. 1, 1911.

Ser. No. 499,289. MAURICE WILLIAM SILBERT, doing business as Williams Pharmaceuticals, Cleveland Heights, Ohio. Filed Mar. 29, 1946.



FOR PREPARATION IN LIQUID AND CAPSULE FORM WHICH HAS THE ACTION OF DIURESIS, SEDATION AND ANALGESIA AND WHICH IS USED FOR VASODILATION AND RELIEF OF HYPERTENSIVE HEADACHE.
Claims use since May 1, 1945.

Ser. No. 499,301. WRIGHT & GLENN COMPANY, INC., New York, N. Y. Filed Mar. 29, 1946.

MISS TWINKLE

FOR CHILDREN'S COSMETICS.
Claims use since Mar. 14, 1946.

Ser. No. 499,322. THE DENTAL SPECIALTY MANUFACTURING CO., INC., Denver, Colo. Filed Mar. 30, 1946.



The drawing is lined for the color blue.
FOR DIAMOND INSTRUMENT CLEANER (A GUM TURPENTINE BASE CHEMICAL SOLUTION HAVING SOLVENT PROPERTIES).
Claims use since Oct. 1, 1945.

Ser. No. 500,075. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Apr. 12, 1946.

Toxol

FOR INSECTICIDES AND HERBICIDES.
Claims use since Mar. 15, 1946, on herbicides; and since Mar. 16, 1922, on insecticides.

Ser. No. 500,157. ABBOTT LABORATORIES, Chicago, Ill. Filed Apr. 13, 1946.

VETROPIN

FOR HORMONE PREPARATION FOR VETERINARY USE.
Claims use since Mar. 28, 1946.

Ser. No. 500,235. MAPRIL INC., New York, N. Y. Filed Apr. 15, 1946.

MAPRIL

FOR OIL SHAMPOO TINT FOR THE HAIR.
Claims use since Apr. 9, 1946.

Ser. No. 500,337. EVELYN WESTALL, doing business as Evelyn Westall Co., New York, N. Y. Filed Apr. 16, 1946.

WOULDN'T YOU

FOR PERFUME, TOILET WATER, AND COLOGNE.
Claims use since Apr. 1, 1946.

Ser. No. 500,352. ELEANOR R. ANDERSON, Los Angeles, Calif. Filed Apr. 17, 1946.

NEHREN

FOR VITAMIN PREPARATION.
Claims use since Apr. 5, 1946.

Ser. No. 500,365. THE CHEMDRUG CORPORATION, New York, N. Y. Filed Apr. 17, 1946.

FAMEXA

FOR PREPARATION FOR THE TREATMENT OF ECZEMA.
Claims use since Apr. 2, 1946.

Ser. No. 500,506. WORLD PRODUCTS CORP., New York, N. Y. Filed Apr. 18, 1946.

Prot-M

FOR PREPARATION CONTAINING AMINO ACIDS IN POWDER FORM FOR INCORPORATION IN ANIMAL AND POULTRY FEEDS.
Claims use since Apr. 9, 1946.

Ser. No. 500,922. AMERICAN CYANAMID & CHEMICAL CORPORATION, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine. Filed Apr. 26, 1946.

ACRYLON

The drawing is lined for the color red.
FOR PREPARATION HAVING USE AS AN INSECTICIDE, A RODENTICIDE, WEED KILLER; AND FUMIGANTS HAVING USES FOR THE AFOREMENTIONED PURPOSES.
Claims use since Nov. 18, 1945.

Ser. No. 501,199. THE PYNOL COMPANY, Quincy, Ill. Filed Apr. 30, 1946.

SANODORANT

FOR LIQUID PINE OIL DISINFECTANT.
Claims use since Apr. 23, 1934.

Ser. No. 501,274. PARFUMS DE RENEL, INC., Mount Vernon, N. Y. Filed May 1, 1946.

Provocatif

FOR PERFUME, TOILET WATER, BRILLIANTINE, FACE POWDER, AFTER SHAVE LOTION, AND SACHET POWDER.
Claims use since Apr. 1, 1943.

Ser. No. 501,323. HERBERT J. HERIBERT, New York, N. Y. Filed May 2, 1946.

ONCE A PIONEER, ALWAYS A PIONEER

FOR SOLUTION TO BE USED AS A COATING, FINISH OR LACQUER FOR TEXTILES AND FOR PLASTICS, AND PARTICULARLY FOR TEXTILES MADE OF NATURAL, SYNTHETIC OR MIXED YARNS OR GLASS FIBERS FOR WATERPROOFING, MILDEWPROOFING, FLAMEPROOFING AND MOTHPROOFING.
Claims use since Apr. 30, 1946.

Ser. No. 501,579. LEHMAN BROS., Cleveland, Ohio. Filed May 7, 1946.

HIDE-X

FOR SKIN AND HAIR CONDITIONER FOR DOGS AND OTHER ANIMALS.
Claims use since Apr. 27, 1946.

Ser. No. 501,659. GEIGY COMPANY, INC., New York, N. Y. Filed May 8, 1946.

IRGALEVONE

FOR CHEMICAL AGENT USED IN THE APPLICATION OF DYES AND DYESTUFFS.
Claims use since Nov. 9, 1936.

Ser. No. 501,661. GEIGY COMPANY, INC., New York, N. Y. Filed May 8, 1946.

TANNESCO

FOR CHEMICAL AGENT USED IN THE APPLICATION OF DYES.
Claims use since June 23, 1937.

Ser. No. 501,666. RICHARD HUDNUT, New York, N. Y. Filed May 8, 1946.

Beauty in Luxury

Applicant disclaims the word "Beauty" apart from the mark.
FOR COSMETIC KITS CONTAINING THE FOLLOWING COSMETICS: FOUNDATION LOTION, SKIN FRESHENER, CREAM ROUGE, EYEBROW PENCIL, EYE SHADOW, SPECIAL SKIN CREAM, CLEANSING CREAM, FACE POWDER AND LIPSTICK.
Claims use since Apr. 23, 1946.

Ser. No. 501,673. MAGITEX COMPANY, INC., Saco, Maine. Filed May 8, 1946.

Fleesit

FOR INSECTICIDES.
Claims use since January 1946.

Ser. No. 501,708. BACHMEIER & Co. INC., New York, N. Y. Filed May 9, 1946.

BACO

FOR DYES.
Claims use since Apr. 1, 1916.

Ser. No. 501,800. COLIN PHARMACAL CO., INC., Brooklyn, N. Y. Filed May 9, 1946.

Liquiderm

FOR MIXTURE OF INGREDIENTS HAVING THERAPEUTIC VALUE AND USED FOR THE RELIEF OF THE DISCOMFORTS OF SKIN INFECTIONS SUCH AS ATHLETE'S FOOT AND RINGWORM, THE COMPOUND BEING FUNGICIDAL, GERMICIDAL AND ANALGESIC.
Claims use since Feb. 8, 1946.

Ser. No. 501,851. THE MALTINE COMPANY, New York, N. Y. Filed May 10, 1946.

CELLOTHYL

FOR BULK LAXATIVE.
Claims use since Apr. 24, 1946.

Ser. No. 501,852. THE MALTINE COMPANY, New York, N. Y. Filed May 10, 1946.

MECEL

FOR BULK LAXATIVE.
Claims use since Apr. 24, 1946.

Ser. No. 501,853. THE MALTINE COMPANY, New York, N. Y. Filed May 10, 1946.

HEMOCLOT

FOR HEMOSTATIC AGENT.
Claims use since Apr. 24, 1946.

Ser. No. 501,874. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed May 10, 1946.

AGGLUGEN

FOR ANTIGENIC PREPARATION FOR USE IN CONNECTION WITH A RESPIRATORY AILMENT AS WHOOPING COUGH.
Claims use since Apr. 26, 1946.

Ser. No. 501,876. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed May 10, 1946.

URIGLYCIN

FOR PREPARATION FOR USE IN THE TREATMENT OF THE CIRCULATORY SYSTEM.
Claims use since May 2, 1946.

Ser. No. 502,069. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed May 14, 1946.

GENICOP

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Apr. 9, 1946.

Ser. No. 502,434. STEVE GALOVICH, Omaha, Nebr. Filed May 20, 1946.

LETOMAST

FOR SALVE FOR EXTERNAL APPLICATION AND USED FOR A MEDICAMENT FOR THE RELIEF OF SKIN IRRITATIONS SUCH AS OCCASIONED BY CHAFING, GALL, AND SUMMER HEAT.
Claims use since Feb. 16, 1946.

Ser. No. 502,986. LENTHERIC, INCORPORATED, New York, N. Y. Filed May 29, 1946.

SMALL TALK

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since May 15, 1946.

Ser. No. 502,987. LENTHERIC, INCORPORATED, New York, N. Y. Filed May 29, 1946.

VOOM

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since May 14, 1946.

Ser. No. 503,199. WM. S. HIEBER, doing business as Henri Monet, Atlanta, Ga. Filed June 3, 1946.

PROVOCATIVE

FOR PERFUMES.
Claims use since November 1932.

Ser. No. 511,306. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Oct. 22, 1946.

Actocide

FOR ANTIBIOTICS FROM ACTINOMYCETES.
Claims use since Nov. 30, 1945.

CLASS 7

CORDAGE

Ser. No. 500,366. CHICAGO PRINTED STRING COMPANY, Chicago, Ill. Filed Apr. 17, 1946.

Cotton Queen

Applicant disclaims exclusive right to the word "Cotton" apart from the mark.
FOR WRAPPING STRING OR TAPE USED AS TYING MATERIAL.
Claims use since Apr. 2, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 494,398. SAMUEL K. FRANK, Wheeling, W. Va. Filed Jan. 7, 1946.

VICTORY
SAF-TRA
Safe In Every Way

The words "Saf-Tra" and "Safe In Every Way" are disclaimed apart from the mark.
FOR ASH TRAYS.
Claims use since Nov. 26, 1945.

Ser. No. 500,420. SOLOMON M. SAGER, Chicago, Ill. Filed Apr. 17, 1946.

MOISTMASTER

FOR HUMIDORS FOR USE IN CONTAINERS FOR TOBACCO AND OTHER PRODUCTS.
Claims use since Feb. 1, 1946.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 499,440. THE L. C. SMITH GUN COMPANY, INCORPORATED, Fulton, N. Y. Filed Apr. 1, 1946.

CROWN

FOR GUNS AND PARTS THEREOF.
Claims use since 1912.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 484,813. CARL WIKSTROM, doing business as P. Wikstrom Junior, Stockholm, Sweden. Filed June 20, 1945.

NORDEX

FOR HARDBOARD (HARD WALLBOARD).
Claims use since Mar. 6, 1940.

Ser. No. 485,889. SHASTA VOLCOLITE COMPANY INC., Benicia, Calif. Filed July 16, 1945.



No claim is made to the word "Bricks" or the representation of the bricks except in the association and relation shown.
FOR BRICKS.
Claims use since Nov. 8, 1944.

Ser. No. 507,486. PANTHER OIL AND GREASE MFG. CO., Fort Worth, Tex. Filed Aug. 15, 1946.



FOR LIQUID ASBESTOS ROOF COATING AND PLASTIC ASBESTOS ROOF CEMENT.
Claims use since Feb. 14, 1935.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 502,356. UNITY PRODUCTS CO., New York, N. Y. Filed May 17, 1946.

UNITY

FOR SLIDE FASTENERS AND ZIPPERS.
Claims use since Apr. 30, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 482,426. JIGGERS, INC., Chicago, Ill. Filed Apr. 21, 1945.

jiggers

FOR SLIP-ON UNIT OF SOLDER AND FLUX, IN AN IGNITABLE SHELL, FOR USE IN AUTOMATIC SOLDERING OF WIRE AND SIMILAR SPLICES.
Claims use since Nov. 5, 1941.

Ser. No. 489,152. STANDARD BRASS & MANUFACTURING COMPANY, Port Arthur, Tex. Filed Sept. 28, 1945.

STANDARD BRASS & MANUFACTURING CO STANCO

The words "Standard Brass & Manufacturing Co.," are disclaimed apart from the mark.
FOR ROUGH CASTINGS AND SEMI-FINISHED CASTINGS OF NONFERROUS METAL.
Claims use since June 1926.

Ser. No. 497,381. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y. Filed Feb. 28, 1946.

EUTALLOY

FOR ALLOYS IN VARIOUS FORMS SUITABLE FOR WELDING, BRAZING, SOLDERING, AND HARD SURFACING OPERATIONS.
Claims use since Feb. 19, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 499,838. LUELLA M. HOLMAN, doing business as Blue Streak Products Company, Hiawatha, Kans. Filed Apr. 8, 1946.

BLUE STREAK
BESSINOIL



The drawing is lined to denote the color blue.
FOR PENETRATING OIL FOR USE IN TUNING INTERNAL COMBUSTION ENGINES, REMOVING SLUDGE AND CARBON FROM PISTON RINGS, FROM INTERNAL COMBUSTION ENGINES AND HAVING INCIDENTAL PROPERTY OF REMOVING CARBON FROM SPARK PLUGS AND LUBRICATING CLOSELY FITTED PARTS WHERE PENETRATION IS NECESSARY.
Claims use since 1938.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 481,258. THE AMERICAN PRODUCTS COMPANY, doing business as Zanol Products Company, Cincinnati, Ohio. Filed Mar. 17, 1945.

JIFFY

FOR SCRATCH REMOVER, IN THE NATURE OF A FLUID OR PASTE PREPARATION USED IN POLISHING AND CLEANING VARIOUS SURFACES; SCRATCH REMOVING POLISH; AUTOMOBILE POLISH AND FLOOR WAX.
Claims use since Sept. 1, 1915.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 495,289. GOODMAN CIGAR CO. INC., Westfield, Mass. Filed Jan. 24, 1946.

TEMPTATION

The drawing is lined for shading only.
FOR CIGARS.
Claims use since Jan. 18, 1946.

Ser. No. 496,422. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Feb. 12, 1946.

WINGS
KINGS

Applicant is the owner of Reg. Nos. 269,876, 276,439, and 276,527.
FOR CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF.
Claims use since June 5, 1940.

Ser. No. 496,423. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Feb. 12, 1946.

SUPREME

WINGS

Applicant is the owner of Reg. Nos. 269,876, 276,439, and 276,527. No claim is made to the word "Supreme" apart from the mark.
FOR CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF.
Claims use since July 1, 1942.

CLASS 19

VEHICLES

Ser. No. 496,334. REPUBLIC AVIATION CORPORATION, Farmingdale, Long Island, N. Y. Filed Feb. 9, 1946.

Rainbow

FOR AIRPLANES.
Claims use since Jan. 16, 1946.

Ser. No. 501,213. T-A-G BROKERAGE & WAREHOUSE COMPANY, Atlanta, Ga. Filed Apr. 30, 1946.

FEATHER CRAFT

The exclusive right to the use of the word "Craft" by itself and separate from the rest of the mark is disclaimed.
FOR SMALL ROW, SAIL AND MOTOR BOATS.
Claims use since Jan. 22, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 479,410. AMPCO METAL, INC., Milwaukee, Wis. Filed Feb. 5, 1945.

AMPCOLOY

FOR ELECTRIC TERMINALS AND CONTACTS OTHER THAN THOSE USED IN ELECTRICAL STARTING, IGNITION AND LIGHTING SYSTEMS FOR INTERNAL COMBUSTION ENGINES; TROLLEY SHOES; SWITCH CONTACTS OTHER THAN THOSE USED IN ELECTRICAL STARTING, IGNITION AND LIGHTING SYSTEMS FOR INTERNAL COMBUSTION ENGINES; ELECTRIC RESISTANCE AND FLASH WELDING ELECTRODES; AND ELECTRODE HOLDERS.
Claims use since May 1938.

Ser. No. 479,785. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Feb. 14, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Edison."

EDISON
Electronic
VOICEWRITER

Applicant is the owner of Reg. No. 259,035, registered July 23, 1929, under the 10-year proviso of the act of February 20, 1905. Applicant is also the owner of Reg. Nos. 295,966, 303,203, 368,005, 370,940, and 392,221. The exclusive use of the word "Electronic," except in the relation and association shown is disclaimed.
FOR SOUND RECORDING AND REPRODUCING APPARATUS—NAMELY, APPARATUS FOR ELECTRICALLY RECORDING AND FOR ELECTRICALLY REPRODUCING DICTATION AND OTHER SPEECH AND SOUNDS.
Claims use since Jan. 5, 1945.

Ser. No. 487,386. THE RECIPROCAL TRADE CORPORATION, New York, N. Y. Filed Aug. 21, 1945.

ATOMIC

FOR RADIO AND TELEVISION RECEIVING SETS.
Claims use since Aug. 16, 1945.

Ser. No. 491,966. FARMERS ENGINEERING & MANUFACTURING CO., Pittsburgh, Pa. Filed Nov. 21, 1945.

Femco

FOR LOUDSPEAKERS AND AMPLIFIERS USED IN PUBLIC ADDRESS SYSTEMS AND ALSO APPARATUS FOR INTERCOMMUNICATION BETWEEN ONE MOVING VEHICLE AND ANOTHER AND BETWEEN A MOVING VEHICLE AND A FIXED POINT, SPECIFICALLY TRANSMITTERS, RECEIVERS, MICROPHONES, LOUDSPEAKERS, RELAYS, AND INDICATION LIGHTS, AND PARTS THEREOF, AND FOR ACCESSORIES USED IN CONNECTION THEREWITH.
Claims use since Nov. 3, 1943.

Ser. No. 495,942. THE ALLIED CONTROL VALVE CO. INC., South Norwalk, Conn. Filed Feb. 4, 1946.



FOR SOLENOID VALVES.
Claims use since Dec. 22, 1945.

Ser. No. 501,152. ANACONDA WIRE AND CABLE COMPANY, New York, N. Y. Filed Apr. 30, 1946.

DUTRAX

FOR ELECTRIC WIRES AND CABLES.
Claims use since Mar. 21, 1946.

Ser. No. 501,508. HICKS BATTERY MANUFACTURING CO., Columbus, Ga. Filed May 6, 1946.

EXCELLO

FOR ELECTRIC STORAGE BATTERIES FOR AUTOMOBILES AND OTHER USES.
Claims use since Apr. 24, 1946.

Ser. No. 501,670. MAX H. KRANZBERG, doing business as Radionic Equipment Company, New York, N. Y. Filed May 8, 1946.

Chancellor

FOR RADIO RECEIVING SETS AND RADIO VACUUM TUBES.
Claims use since Feb. 15, 1945, on radio vacuum tubes; and since Jan. 17, 1946 on radio receiving sets.

Ser. No. 501,723. ALLEN B. DU MONT LABORATORIES, INC., Passaic, N. J. Filed May 9, 1946.

Teleset

FOR TELEVISION RECEIVERS.
Claims use since Mar. 11, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 495,794. DART BOARD EQUIPMENT COMPANY, Philadelphia, Pa. Filed Feb. 1, 1946.



No claim is made to the representation of the dart and target, and the words "Play Darts" except as shown.
FOR DARTS AND DART GAMES.
Claims use since Mar. 15, 1941.

Ser. No. 496,480. SIMON MATTRESS MANUFACTURING CO., San Francisco, Calif. Filed Feb. 12, 1946.

simon pure

FOR SLEEPING BAGS IN THE NATURE OF BEDS.
Claims use since 1920 and February 1930 in the form presented.

Ser. No. 504,711. J. J. STANGEL HARDWARE COMPANY, Manitowoc, Wis. Filed June 27, 1946.

STANWARE

FOR TOY SCOOTERS, TOY TRICYCLES, TOY VELOCIPEDES, AND TOY COASTER WAGONS.
Claims use since Feb. 6, 1939.

Ser. No. 508,621. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Sept. 6, 1946.

DYNA-MATCHED

No claim is made to the right to use the word "Matched" apart from the mark.
FOR GOLF CLUBS.
Claims use since Aug. 1, 1946.

Ser. No. 510,134. U. S. FIBER & PLASTICS CORP., Stirling, N. J. Filed Oct. 2, 1946.



FOR TOY BEAN BAGS MADE OF PLASTIC SHEETING.
Claims use since Sept. 12, 1946.

Ser. No. 510,187. MILLER-SIMONS, INC., Cicero, Ill. Filed Oct. 3, 1946.

JUNIOR ENGINEER

FOR MECHANICAL TOYS WHICH CAN BE ASSEMBLED AND DISASSEMBLED—NAMELY, TOY STEAM ENGINES.
Claims use since Sept. 27, 1946.

Ser. No. 511,324. GROSSMAN MUSIC CO., Cleveland, Ohio. Filed Oct. 23, 1946.

ROCKET

FOR TOY WHISTLES.
Claims use since June 5, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 481,753. PETTIBONE MULLIKEN CORPORATION, Chicago, Ill. Filed Apr. 5, 1945.



FOR CRUSHING AND PULVERIZING MACHINERY AND PARTS THEREOF FOR CRUSHING ROCKS, STONES, MINERALS, AND THE LIKE; CONVEYOR FLIGHTS FOR CRUSHERS; DISCHARGE SPOUTS FOR CRUSHERS; AUGERS FOR BRICK MACHINES; AUGER CASE LINERS FOR BRICK MACHINES; BEATER BLADES FOR BRICK MACHINES; ELEVATOR BUCKETS FOR BRICK MACHINES; BUSHINGS FOR BRICK MACHINES; BRICK MACHINE DIES; KNIVES FOR BRICK MACHINES; BRICK PADDLES; FEED SPOUTS FOR BRICK MACHINES; DIPPER BUCKETS AND PARTS THEREOF; DRAGLINES AND PARTS THEREOF; DRAGLINE BUCKETS AND PARTS THEREOF; DREDGE BUCKETS AND PARTS THEREOF; SHOVEL DRUMS; STEAM SHOVEL GROUSERS; SHOVEL SHOES; PULL SHOVELS; STEAM SHOVEL RACKS; CLEVISES FOR MACHINERY; CLUTCHES; BLOCK SIDES FOR SHEAVES; DREDGE PUMPS AND PARTS THEREOF; CUTTERS FOR DREDGES; CUTTER HEADS FOR DREDGES; CONVEYOR CHAINS; BENDING DIES; BLOCK DIES; SLURRY PUMPS AND PARTS THEREOF; CABLE DRUMS FOR STEAM SHOVELS; GATES AND GATE SUPPORTS FOR DAMS; BEVEL GEARS; HERRINGBONE GEARS; SPUR GEARS; PUMPS AND PARTS THEREOF; CHAINS AND SPROCKETS FOR CONVEYORS; MINING GUDGEON PINS; CAST MACHINERY PROTECTING HOUSINGS; GRANULATOR KNIVES; PUG MILL KNIVES; EARTH MACHINE SCARIFIER TEETH; ROAD SCRAPERS AND PARTS THEREFOR; DREDGE PUMPS; MACHINERY SHAFTS AND SHAFT NUTS; SHEAVES; SHIELDS FOR CRUSHING AND PULVERIZING MACHINERY; TRACTOR SHOES; SLEEVES FOR RECIPROCATING PUMPS AND OIL FIELD DRILLING EQUIPMENT; MINE WHEELS FOR ORE HAULING CARS; CRANE WHEELS; MINING ROLL SHELLS; MINING ROLLERS; ORE CRUSHING MANTLES FOR MINING MACHINERY; CONES FOR MINING MACHINERY; CRATES FOR MINING MACHINERY; BARS FOR MINING MACHINERY; LINERS FOR MINING MACHINERY; PLATES FOR MINING MACHINERY; ASPHALT MIXER PARTS; GRATE BARS FOR ORE CRUSHING MACHINERY; RAILWAY ROLLER BEARING PARTS FOR RAILWAY CARS AND ROLLS FOR STEEL MILL MACHINERY.
Claims use since January 1924.

Ser. No. 494,345. THE MARINE COMPANY, Philadelphia, Pa. Filed Jan. 5, 1945.

MARINE



FOR SCREW DRIVER SETS, SNIPS, END NIPPERS ISLET HANDLE SNIPS, BAR PRUNERS, CHAIN BLOCKS, SHEARS, HEDGE SHEARS, TROWEL AND RAKE ASSEMBLIES, SICKELS, SCISSOR JACKS, BOTTLE OPENERS, CORK SCREWS, AND CAKE TURNERS.
Claims use for screw driver sets and snips since Jan. 1, 1945; for end nippers and islet handle snips since Oct. 15, 1945; for bar pruners since Oct. 20, 1945; for chain blocks since June 1, 1945; for cake turners since Oct. 15, 1945; for bottle openers and cork screws since Oct. 20, 1945; for shears and hedge shears since Oct. 15, 1945; for trowel and rake assemblies since Oct. 20, 1945; for sickels since Oct. 20, 1945; and for scissor jacks since Oct. 20, 1945.

Ser. No. 501,219. THE V & O PRESS COMPANY, INCORPORATED, Hudson, N. Y. Filed Apr. 30, 1946.



FOR POWER PRESSES, BENCH PRESSES, PUNCHING PRESSES, DOUBLE ACTION PRESSES, ARCH PRESSES, REDUCING PRESSES, THREAD ROLLING MACHINES, ROLL FEEDS, AND DIAL FEEDS.
Claims use since December 1923.

Ser. No. 501,220. THE V & O PRESS COMPANY, INCORPORATED, Hudson, N. Y. Filed Apr. 30, 1946.



FOR POWER PRESSES, BENCH PRESSES, PUNCHING PRESSES, DOUBLE ACTION PRESSES, ARCH PRESSES, REDUCING PRESSES, THREAD ROLLING MACHINES, ROLL FEEDS, AND DIAL FEEDS.
Claims use since December 1888.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 470,428. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind. Filed May 19, 1944.

TOKHEIM

Applicant is the owner of Reg. No. 178,253 (renewed).
FOR OIL, LIQUID, AND FUEL MEASURING AND DISPENSING PUMPS, AND PARTS THEREOF, AND OIL, LIQUID, AND FUEL METERS, AND PARTS THEREOF.
Claims use since May 1902.

Ser. No. 494,470. THE TORK CLOCK COMPANY, INC., Mount Vernon, N. Y. Filed Jan. 8, 1946.

TYMOTHERM

FOR ELECTRICALLY OPERATED THERMOSTATIC CONTROL MECHANISM FOR HEATING SYSTEMS.
Claims use since Jan. 28, 1938.

Ser. No. 499,547. GLASCO PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 3, 1946.

Round the clock with Baby

FOR GRADUATED FORMULA PITCHERS.
Claims use since Feb. 27, 1946.

Ser No. 499,693. WALTER A. BLOCKER, New York, N. Y. Filed Apr. 5, 1946.

"Flutter-Bye"

FOR LORGNETTES, EYEGLASSES, AND CONSTITUENT PARTS THEREOF.
Claims use since Mar. 25, 1946.

Ser. No. 500,604. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Apr. 20, 1946.

TABU

FOR SPECTACLES, MOVING PICTURE FILM, AND CAMERAS.
Claims use since Apr. 17, 1946.

Ser. No. 501,974. FOSTER GRANT CO. INC., Leominster, Mass. Filed May 13, 1946.

Grantly

FOR SUNGLASSES, OPHTHALMIC FRAMES, LENSES, AND SUNGLASS CARRYING CASES.
Claims use since Mar. 22, 1946.

Ser. No. 501,975. FOSTER GRANT CO. INC., Leominster, Mass. Filed May 13, 1946.

TOWN and COUNTRY

FOR SUNGLASSES.
Claims use since Mar. 22, 1946.

Ser. No. 501,978. FOSTER GRANT CO. INC., Leominster, Mass. Filed May 13, 1946.

MICROTEST

FOR SUNGLASS LENSES.
Claims use since Mar. 22, 1946.

Ser. No. 501,980. FOSTER GRANT CO. INC., Leominster, Mass. Filed May 13, 1946.

RAYEX

FOR SUNGLASS LENSES.
Claims use since Mar. 22, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 457,553. SOCIETE ANONYME MIDO, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y. Filed Dec. 21, 1942.



Applicant is the owner of Reg. Nos. 225,024 and 399,480. Applicant disclaims the term "Super-Automatic" and the representation of a watch apart from the mark.
FOR WATCHES AND CHRONOMETERS, WATCH MOVEMENTS, WATCH CASES, DIALS, AND PARTS OF WATCHES.
Claims use since 1938.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 495,101. ROSEVILLE POTTERY, INC., Zanesville, Ohio. Filed Jan. 19, 1946. Under 10-year proviso.

Roseville

Applicant is the owner of Reg. No. 291,805.
FOR POTTERY ARTICLES—NAMELY, JARDINIERES, JARDINIERE AND PEDESTAL UNITS, COOKIE JARS, BASKETS, TANKARDS, CORNUCOPIAS, BOWLS, POTS AND SAUCERS, HANGING BASKETS, ROSE BOWLS, FRUIT BOWLS, URNS, TEA SETS, WALL POCKETS, WINDOW BOXES, FLOWER HOLDERS, VASES, AND BUD VASES.
Claims use since Jan. 2, 1892.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 498,394. THE CELLULO COMPANY, Sandusky, Ohio. Filed Mar. 18, 1946.

CELLULO

FOR FILTERING APPARATUS FOR CLARIFYING AND STERILIZING LIQUIDS OF ALL KINDS, AND ASBESTOS FILTER PADS.
Claims use since Apr. 23, 1920.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 496,914. WILLIAM KRATT, doing business as Wm. Kratt Co., Union, N. J. Filed Feb. 19, 1946.

THE WARBLER

FOR HARMONICAS.
Claims use since Jan. 7, 1946.

Ser. No. 497,761. WINTER AND COMPANY, New York, N. Y. Filed Mar. 6, 1946.

PIANETTE

FOR PIANOS.
Claims use since Oct. 1, 1936.

CLASS 37

PAPER AND STATIONERY

Ser. No. 479,286. DAVID KAHN, INC., North Bergen, N. J. Filed Feb. 1, 1945.

Academy AWARD

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Jan. 10, 1945.

CLASS 39

CLOTHING

Ser. No. 492,041. GOLDSTONE BROS., San Francisco, Calif. Filed Nov. 23, 1945.



The word portion of the mark consists of the term "Puncher" and the terminal paraph is, in effect, one end of the representation of a lariat merging into the terminal letter of said word "Puncher."
FOR OVERALLS.
Claims use since June 1945.

Ser. No. 492,489. MARSHALL COLEMAN, New York, N. Y. Filed Dec. 1, 1945.

SPORTSCUES

FOR WOMEN'S BLOUSES AND DRESSES.
Claims use since Sept. 24, 1945.

Ser. No. 501,525. NARRAGANSETT INDUSTRIES CORPORATION, Providence, R. I. Filed May 6, 1946.

★ NICON ★

FOR UNDERWEAR AND PAJAMAS FOR MEN.
Claims use since Mar. 15, 1946.

Ser. No. 501,744. KINGSBORO SILK MILLS, INC., Daisy, Tenn. Filed May 9, 1946.

KINGTEX

FOR LADIES' AND CHILDREN'S KNITTED, COTTON, SILK OR RAYON VESTS, BLOOMERS, PANTIES, SLIPS, NIGHTGOWNS, PAJAMAS, ROBES, NEGLIGEES, CULOTTES, BRASSIERES, BANDEAUS, BRIEFS, TRUNKS, CHEMISES AND PETTICOATS.
Claims use since Apr. 10, 1946.

Ser. No. 501,894. S. AUGSTEIN & CO. INC., College Point, N. Y. Filed May 11, 1946.

FUTURA

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, PLAYSUITS, AND BATHING SUITS.
Claims use since Mar. 1, 1942.

Ser. No. 502,310. MANCHESTER KNITTED FASHIONS, INC. Manchester, N. H. Filed May 17, 1946.

NYLOWOOL

FOR WOMEN'S KNITTED TEE SHIRTS, AND KNITTED SWEATERS, MADE OF NYLON AND WOOL YARNS.
Claims use since Apr. 15, 1946.

Ser. No. 502,518. JOSEPH M. KLEIN, New York, N. Y. Filed May 21, 1946.

DUBL-N-FORST

The word "Forst" is disclaimed apart from the mark.
FOR MEN'S OVERCOATS AND TOPCOATS, AND SUITS—NAMELY, COATS, PANTS, AND VESTS.
Claims use since Dec. 27, 1905.

Ser. No. 502,615. BANCROFT SPORTSWEAR INC., Boston, Mass. Filed May 23, 1946.

TUC-A-JAC

No registration rights are claimed for the word "Jac" apart from the mark.
FOR SPORT JACKETS, SPORT SHIRTS FOR MEN, WOMEN, AND BOYS.
Claims use since Mar. 7, 1946.

Ser. No. 503,483. TRUVAL MANUFACTURERS, INC., New York, N. Y. Filed June 7, 1946.



Smartest Buy in Shirts

Applicant disclaims the right to the exclusive use of the notation "Smartest Buy in Shirts" apart from the mark.
FOR NEGLIGEE SHIRTS AND SPORTSHIRTS FOR MEN AND YOUNG MEN.
Claims use since Oct. 19, 1912, as to "TruVal"; and since May 27, 1946, in its present form.

Ser. No. 503,484. TRUVAL MANUFACTURERS, INC., New York, N. Y. Filed June 7, 1946.



Smartest Buy in Sportswear

Applicant disclaims the right to the exclusive use of the notation "Smartest Buy in Sportswear" apart from the mark.
FOR SPORTSWEAR FOR MEN AND YOUNG MEN—NAMELY, JACKETS, MACKINAWS, AND COATS.
Claims use since September 1938 as to "TruVal"; and since May 27, 1946, in its present form.

Ser. No. 503,485. TRUVAL MANUFACTURERS, INC., New York, N. Y. Filed June 7, 1946.



Smartest Buy in Pajamas

Applicant disclaims the right to the exclusive use of the notation "Smartest Buy in Pajamas" apart from the mark.
FOR PAJAMAS FOR MEN AND YOUNG MEN.
Claims use since Oct. 13, 1937, as to "TruVal"; and since May 27, 1946, in its present form.

Ser. No. 504,097. DAVID D. DONIGER & CO., INC., New York, N. Y. Filed June 18, 1946.

DONITHERM

FOR MEN'S, BOYS', AND WOMEN'S JACKETS AND COATS.
Claims use since Feb. 1, 1946.

Ser. No. 504,141. WHITE & SKLAR INC., New York, N. Y. Filed June 18, 1946.

Kay Allyson

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since June 1945.

Ser. No. 504,702. SMITH RAKOFF & FELDMAN, INC., New York, N. Y. Filed June 27, 1946.

an exclusive Smirafé fashion

The words "An Exclusive Fashion" are disclaimed apart from the mark.
FOR LADIES' COATS AND SUITS.
Claims use since Jan. 1, 1946.

Ser. No. 508,083. NEIL L. LENHOFF, Detroit, Mich. Filed Aug. 23, 1946.



The picture of the girl is fanciful.
FOR WOMEN'S CLOTHING AND APPAREL—NAMELY, WOMEN'S DRESSES, COATS, SUITS, BLOUSES, AND HATS.
Claims use since Apr. 10, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 500,007. ISELIN-JEFFERSON COMPANY, New York, N. Y., assignor to Iselin-Jefferson Company, Inc., New York, N. Y., a corporation of New York. Filed Apr. 11, 1946.

A GATEWAY Product

No claim is made to the exclusive use of the word "Product."
FOR COTTON PIECE-GOODS.
Claims use since Mar. 5, 1946.

Ser. No. 500,521. CHICOPEE MANUFACTURING CORPORATION OF GEORGIA, Gainesville, Ga. Filed Apr. 19, 1946.

LUMITE

FOR FABRIC WOVEN IN WHOLE OR IN PART FROM FLEXIBLE SYNTHETIC EXTRUDED PLASTIC MONOFILAMENTS SUCH AS, FOR EXAMPLE, VINYLIDINE CHLORIDE, AND USEFUL AS A SUBSTITUTE FOR CLOTH WOVEN FROM NATURAL FIBERS, FOR EXAMPLE, AS UPHOLSTERING CLOTH.
Claims use since Nov. 1, 1945.

CLASS 43

THREAD AND YARN

Ser. No. 492,898. L. COPLEY-SMITH & SONS LIMITED, Manchester, England. Filed Dec. 8, 1945.

CLOUDRIFT

FOR YARN AND THREADS ALL OF TEXTILE MATERIALS.
Claims use since 1939.

Ser. No. 496,410. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 11, 1946.

Lastex

FOR THREAD AND YARN.
Claims use since Nov. 23, 1934.

Ser. No. 497,536. FITCHBURG SPINNERS SALES CORPORATION, Fitchburg, Mass. Filed Mar. 2, 1946.

COVIS

FOR YARNS.
Claims use since Feb. 18, 1946.

Ser. No. 497,537. FITCHBURG SPINNERS SALES CORPORATION, Fitchburg, Mass. Filed Mar. 2, 1946.

WOOLSASE

FOR YARNS.
Claims use since Feb. 18, 1946.

Ser. No. 500,044. AMERICAN GLOSSITE COMPANY, INC., Putnam, Conn. Filed Apr. 12, 1946.

GLOSSITE

FOR YARNS MADE OF CELLOPHANE, COTTON, AND RAYON, AND MIXTURES THEREOF.
Claims use since Jan. 10, 1943.

Ser. No. 501,726. FITCHBURG SPINNERS SALES CORPORATION, Fitchburg, Mass. Filed May 9, 1946.



FOR YARNS.
Claims use since May 3, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 495,502. PURITAN COMPRESSED GAS CORPORATION, Kansas City, Mo. Filed Jan. 26, 1946.



The portrait is fanciful.
FOR EQUIPMENT USED FOR THE ADMINISTRATION OF ANESTHETIC, RESUSCITATION AND THERAPEUTIC GASES—NAMELY, REGULATORS, CYLINDER BASES, CYLINDER TRUCKS, WRENCHES, ADAPTERS, PORTABLE CYLINDER STANDS, FLOWMETERS, AUDIBLE WARNING SIGNALS, AND HUMIDIFYING CONTAINERS INTERPOSED BETWEEN THE FITTINGS WHICH TRANSFER THE GAS FROM THE RESERVOIR OR BOTTLE TO THE POINT OF ADMINISTRATION.
Claims use since Jan. 5, 1944.

Ser. No. 508,461. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Sept. 4, 1946.



FOR CLINICAL THERMOMETERS.
Claims use since Apr. 5, 1939.

Ser. No. 509,507. EASTERN-STERILEX MANUFACTURING CO., Brooklyn, N. Y. Filed Sept. 21, 1946.

STERILEX

FOR NURSING BOTTLE STERILIZERS.
Claims use since June 15, 1946.

Ser. No. 509,991. THE LIEBEL-FLARSHEIM CO., Cincinnati, Ohio. Filed Sept. 30, 1946.

Wavemaster

FOR DIATHERMY MACHINES FOR APPLYING HEAT TO AFFECTED MEMBERS OF THE BODY FOR TREATMENT OF INFECTION AND VARIOUS TYPES OF MUSCULAR DISORDERS.
Claims use since June 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 468,469. NOEL & CIA. LTDA. SOCIEDAD ARGENTINA DE DULCES Y CONSERVAS, Buenos Aires, Argentina. Filed Mar. 20, 1944.

Noël

FOR PICKLES, SPICES, PRESERVED VEGETABLES, AND MILK MARMALADE, A COMPOSITION HAVING A BASIS OF MILK SUGAR.
Claims use since 1917.

Ser. No. 475,730. NEW ERA CANNING COMPANY, New Era, Mich. Filed Oct. 26, 1944.

RAY'S BEST

No claim is made to the word "Best" apart from the mark.
FOR CANNED VEGETABLES AND CANNED FRUITS.
Claims use since June 1, 1936.

Ser. No. 480,277. CYNTHIA SWEETS COMPANY, East Boston, Mass. Filed Feb. 27, 1945.

CYNTHIA SWEETS

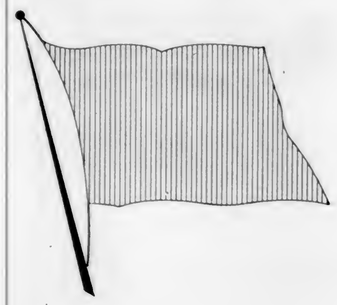
Applicant is the owner of Reg. No. 193,043 (renewed). No claim is made to the exclusive use of the word "Sweets" except in connection with the mark as shown.
FOR CONFECTIONERY—NAMELY, CANDY AND CHOCOLATES.
Claims use since Jan. 11, 1921.

Ser. No. 483,052. CASE-SWAYNE COMPANY, Merced, Calif. Filed May 7, 1945.

C and S

FOR FRUIT PRODUCTS—NAMELY, FRUIT JAMS, FRUIT JELLIES, FRUIT BUTTERS, AND FRUIT MARMALADE.
Claims use since Jan. 15, 1945.

Ser. No. 489,903. DI GIORGIO FRUIT CORPORATION, San Francisco, Calif. Filed Oct. 13, 1945.



The drawing is lined to indicate the color red. Applicant is the owner of Reg. Nos. 122,269, 211,823, and 212,200.
FOR CANNED FRUIT JUICES AND FRESH FRUITS AND VEGETABLES—NAMELY, DECIDUOUS FRUITS, CITRUS FRUITS, BANANAS, APPLES, GRAPES, CANTALOUPE, MELONS, PLUMS, PEARS, PEACHES, APRICOTS, CHERRIES, ORANGES, GRAPEFRUIT, LEMONS, LIMES, PRUNES, TANGERINES, NECTARINES, ASPARAGUS, TOMATOES, POTATOES.
Claims use since May 1, 1920.

Ser. No. 495,145. RAYMOND J. MATTISON, doing business as Fruit Products of America, Arcadia, Calif. Filed Jan. 21, 1946.

Ray's

FOR CANNED CITRUS JUICES FOR FOOD PURPOSES—NAMELY, ORANGE JUICE.
Claims use since Oct. 10, 1945.

Ser. No. 496,968. H. B. KENNERLY & SON, doing business as Roaring Point Oyster Co., Nanticoke, Md. Filed Feb. 20, 1946.

Sea Crest



No claim is made to the word "Sea" apart from the mark.
FOR FRESH CANNED OYSTERS.
Claims use since 1937.

Ser. No. 498,453. PORTERVILLE VEGETABLE GROWERS INC., Porterville, Calif. Filed Mar. 18, 1946. Under the act of February 20, 1905, as amended June 10, 1938.

MORNING MARKET

No claim is made to the word "Market" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since Feb. 27, 1946.

Ser. No. 499,701. EMPIRE STATE CHEESE COMPANY, Olean, N. Y. Filed Apr. 5, 1946.

EMSCCO

FOR CHEESE.
Claims use since Mar. 28, 1946.

Ser. No. 502,193. CONTINENTAL COFFEE COMPANY, Chicago, Ill. Filed May 16, 1946.

ROASTSAVER

FOR SEASONING AND COLORING AGENT IN LIQUID FORM USED IN BASTING MEATS.
Claims use since Feb. 10, 1943.

Ser. No. 502,472. SUNRISE PRODUCE CO., San Francisco, Calif. Filed May 20, 1946.

SKY BLAZER

FOR FRESH VEGETABLES.
Claims use since May 10, 1946.

Ser. No. 502,507. EMPIRE DEHYDRATED PRODUCTS, INC., New York, N. Y. Filed May 21, 1946.

Luda



FOR CONCENTRATED SOUP BASES.
Claims use since May 1942.

Ser. No. 503,609. SOMIS LEMON ASSOCIATION, Oxnard, Calif. Filed June 10, 1946.

SOMISEA

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 8, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 490,627. BELFAIRE COSMETICS, INC., New York, N. Y. Filed Oct. 29, 1945.

Curlycue

FOR PERMANENT COLD WAVE HOME KITS CONSISTING OF WAVING SOLUTION, NEUTRALIZING SOLUTION, CURLERS, TISSUES, SHAMPOO, RINSE AND WAVE SET POWDERS, APPLICATOR AND BRUSH.
Claims use since Oct. 18, 1945.

Ser. No. 494,808. AMERICAN GLASS ART CO., New York, N. Y. Filed Jan. 16, 1946.



FOR GLASS FIGURINES.
Claims use since Dec. 18, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 24, 1946

426,238. PREPARATION FOR TREATING THE SCALP AND HAIR—NAMELY, A SHAMPOO PREPARATION. HARRY BENET, doing business as Dara Products, Cincinnati, Ohio.
Filed November 4, 1942. Serial No. 456,635. PUBLISHED FEBRUARY 15, 1944. Class 6.

426,239. PIECE GOODS OF COTTON, OF RAYON, AND OF MIXTURES OF COTTON AND RAYON, AND OF MIXTURES OF COTTON, RAYON, AND WOOL. MOOK BROTHERS, New York, N. Y.
Filed January 28, 1944. Serial No. 466,946. PUBLISHED OCTOBER 8, 1946. Class 42.

426,240. SANDWICHES. ARTHUR STERN, New York, N. Y.
Filed April 18, 1944. Serial No. 469,448. PUBLISHED OCTOBER 1, 1946. Class 46.

426,241. LIQUID MORDANT USED PRIMARILY BY PERSONS INTERESTED IN ARTS AND CRAFTS IN CONNECTION WITH THE HAND DECORATING OF FABRICS TO MAKE THE COLORS USED WASHABLE. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed August 8, 1944. Serial No. 473,046. PUBLISHED MARCH 5, 1946. Class 6.

426,242. COMPRESSED, MEDICINAL TABLETS—NAMELY, VITAMIN A, VITAMIN C, VITAMIN D, VITAMIN E, VITAMIN A AND D, ETC. WINNING-PERLOW, Glendale, Calif.
Filed October 12, 1944, Serial No. 475,289. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,243. PLASTICIZED RESIN EMULSION READILY DISPERSIBLE IN WARM WATER AND USED BY TEXTILE MANUFACTURERS TO PREVENT SHIFTING OF THE WEAVE IN WOVEN CLOTH DURING COMMERCIAL DYE PROCESSING. REFINED PRODUCTS COMPANY, Lyndhurst, N. J.
Filed October 18, 1944. Serial No. 475,462. PUBLISHED MARCH 5, 1946. Class 6.

426,244. POULTRY FEEDS—NAMELY, 32% POULTRY CONCENTRATE, HEN SCRATCH, GROWING SCRATCH, EGG LAYING PREPARATION (CALLED EGG MAKER), ETC. HILLTOP FARM FEED COMPANY, Minneapolis, Minn.
Filed January 6, 1945. Serial No. 478,326. PUBLISHED OCTOBER 8, 1946. Class 46.

426,245. PEAT MOSS, USED AS A POULTRY LITTER. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 7, 1945. Serial No. 479,529. PUBLISHED OCTOBER 1, 1946. Class 1.

426,246. LINIMENT FOR MINOR MUSCULAR ACHES AND PAINS. COLE CHEMICAL COMPANY, St. Louis, Mo.
Filed February 10, 1945. Serial No. 479,662. PUBLISHED JUNE 5, 1945. Class 6.

426,247. HARD WAX-LIKE SUBSTANCE COMPOSED OF SEVERAL CHEMICALS, CONTAINING NO PETROLEUM DERIVATIVES, USED IN RUBBER COMPOUNDING AND IN PLASTIC COMPOSITION. WITCO CHEMICAL COMPANY, Chicago, Ill.
Filed February 26, 1945. Serial No. 480,260. PUBLISHED OCTOBER 8, 1946. Class 6.

426,248. TABLETS AND INJECTABLE SOLUTIONS CONTAINING FACTORS OF THE VITAMIN B COMPLEX. LAKESIDE LABORATORIES, INC., Milwaukee, Wis.
Filed February 28, 1945. Serial No. 480,330. PUBLISHED FEBRUARY 5, 1946. Class 6.

426,249. ELECTRICAL APPARATUS IN THE NATURE OF COMBINATIONS OF METALS AND CERAMICS—NAMELY, HERMETICALLY SEALED TRANSFORMER BUSHINGS, ETC. GENERAL CERAMICS AND STEATITE CORPORATION, Keasbey, N. J.
Filed March 17, 1945. Serial No. 481,021. PUBLISHED OCTOBER 8, 1946. Class 21.

426,250. PLIERS, SCREW DRIVERS, DRILL BITS, AUGUR BITS, TAP AND DIE SETS, FILES, HAMMERS, SAWS, ETC. AITCHISON MANUFACTURING COMPANY, Albert Lea, Minn.
Filed April 9, 1945. Serial No. 481,875. PUBLISHED OCTOBER 1, 1946. Class 23.

426,251. PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, AND NAIL POLISH. JACK MAY, doing business as Sardeau, New York, N. Y.
Filed April 12, 1945. Serial No. 482,063. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,252. DEODORANT. STANLEY HOME PRODUCTS, INC., Westfield, Mass.
Filed April 26, 1945. Serial No. 482,657. PUBLISHED OCTOBER 1, 1946. Class 6.

426,253. HOUSE TRAILERS. M SYSTEM MFG. CO., Vicksburg, Miss.
Filed May 28, 1945. Serial No. 483,861. PUBLISHED NOVEMBER 6, 1945. Class 19.

426,254. PREPARATION HAVING USE AS A MOUTH WASH AND THROAT GARGLE. THE KAKTINE COMPANY, Glendale, Calif.
Filed June 11, 1945. Serial No. 484,407. PUBLISHED OCTOBER 8, 1946. Class 6.

426,255. EMBOSSING-PRESS SUPPLIES—NAMELY, GUMMED PAPER IN SHEET FORM, CARDBOARD, AND BLANK SET-UP CARDS ON WHICH EMBOSSING TYPE ARE SET UP FOR USE IN THE PRESS. EMBOSOGRAF CORPORATION OF AMERICA, New York, N. Y.
Filed June 18, 1945. Serial No. 484,674. PUBLISHED OCTOBER 1, 1946. Class 37.

426,256. FACE POWDER, FACE MAKE-UP IN CAKE OR SOLID FORM, FACE MAKE-UP IN LIQUID FORM, LIPSTICK, ROUGE, ETC. ASSOCIATED PRODUCTS, INC., Chicago, Ill.
Filed June 23, 1945. Serial No. 484,927. PUBLISHED APRIL 2, 1946. Class 6.

426,257. FOOD KNIVES MADE OF NON-PRECIOUS METAL. IRA HAMER ANDERSON, Highland, Ohio.
Filed July 7, 1945. Serial No. 485,522. PUBLISHED OCTOBER 1, 1946. Class 23.

426,258. PREPARATION FOR THE TREATMENT OF WHOOPING-COUGH AND OTHER SPASMODIC COUGHS. PROFESSIONAL PHARMACAL CO., San Antonio, Tex.
Filed July 9, 1945. Serial No. 485,599. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,259. BEAM BALANCES, PARTS AND ACCESSORIES OF SUCH BALANCES, BALANCE WEIGHTS AND POCKET TRANSITS. WM. AINSWORTH & SONS, INC., Denver, Colo.
Filed July 20, 1945. Serial No. 486,021. PUBLISHED OCTOBER 1, 1946. Class 26.

426,260. BEAM BALANCES, PARTS AND ACCESSORIES OF SUCH BALANCES, BALANCE WEIGHTS AND POCKET TRANSITS. WM. AINSWORTH & SONS, INC., Denver, Colo.
Filed July 20, 1945. Serial No. 486,022. PUBLISHED OCTOBER 1, 1946. Class 26.

426,261. TOILET PREPARATIONS—NAMELY, COCOANUT OIL, BURNPROOF LOTION, PRICKLY HEAT LOTION, ETC. "PEAU D'OR" SALES CORPORATION, Miami, Fla.
Filed July 30, 1945. Serial No. 486,500. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,262. LIQUID CHEMICAL COMPOSITION USED TO PREVENT THE DEPOSIT OF, AND TO REMOVE DEPOSITED BOILER SCALE. LU-MONT MANUFACTURING CO., Los Angeles, Calif.
Filed July 31, 1945. Serial No. 486,538. PUBLISHED MARCH 26, 1946. Class 6.

426,263. MACHINES FOR THE GRINDING OF GEARS AND OF PLANE SURFACES, DETACHED PARTS, SPARE PARTS AND ACCESSORIES OF ABOVE MACHINES. SOCIETE A B G, (SOCIÉTÉ ARIÈS, LA BOUGIE B. G. ET S. F. E. D. R. RÉUNIES), Paris, France.
Filed August 11, 1945. Serial No. 487,156. PUBLISHED OCTOBER 1, 1946. Class 23.

426,264. LADIES' JEWELRY—NAMELY, IMITATION PEARL NECKLACES, IMITATION PEARL EARRINGS, IMITATION PEARL RINGS, LADIES' NECKLACES OF SYNTHETIC AND SEMI-PRECIOUS STONES, LADIES' NECKLACES OF GOLD, SILVER, PLATINUM AND PRECIOUS METALS, AND LADIES' NECKLACES OF BRASS OR OTHER BASE METALS PLATED WITH PRECIOUS METAL. GEMSCO, INC., New York, N. Y.
Filed August 21, 1945. Serial No. 487,359. PUBLISHED FEBRUARY 12, 1946. Class 28.

426,265. AUTOMOTIVE AND AIRCRAFT ENGINE PARTS—NAMELY, PISTONS, PISTON EXPANDERS, PISTON PINS AND PARTS THEREOF, ETC. KING QUALITY PRODUCTS CO., Indianapolis, Ind.
Filed August 23, 1945. Serial No. 487,472. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,266. JANITORIAL SUPPLIES—NAMELY, METAL CLEANERS, GLASS CLEANERS, WALL CLEANERS, WOODWORK CLEANERS, METAL POLISHES, AND GLASS POLISHES. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif.
Filed August 27, 1945. Serial No. 487,598. PUBLISHED OCTOBER 8, 1946. Class 4.

426,267. CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES, PARTICULARLY PHOTOGRAPHIC DEVELOPERS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed August 28, 1945. Serial No. 487,672. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,268. INSECTICIDES, FUNGICIDES AND DISINFECTANTS. RÖHM & HAAS COMPANY, Philadelphia, Pa.
Filed August 31, 1945. Serial No. 487,864. PUBLISHED OCTOBER 8, 1946. Class 6.

426,269. VALVE AND SEAT ASSEMBLIES FOR STEAM TRAPS. STRONG, CARLISLE & HAMMOND COMPANY, Cleveland, Ohio.
Filed September 8, 1945. Serial No. 488,172. PUBLISHED OCTOBER 1, 1946. Class 13.

426,270. COATING COMPOSITIONS INCLUDING CLEAR WRINKLE VARNISHES AND PIGMENTED WRINKLE ENAMELS ADAPTED TO PRODUCE WRINKLE FINISHES. MAAS & WALDSTEIN COMPANY, Newark, N. J.
Filed September 12, 1945. Serial No. 488,339. PUBLISHED OCTOBER 8, 1946. Class 16.

426,271. FERTILIZERS. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed September 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 488,418. PUBLISHED OCTOBER 8, 1946. Class 10.

426,272. FLOOR FURNITURE AND AUTOMOBILE WAXES AND POLISHES; PAINTS SOLD IN DRY, PASTE, AND READY-MIXED FORM. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed September 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 488,421. PUBLISHED OCTOBER 8, 1946. Class 16.

426,273. INSECTICIDE IN POWDERED FORM FOR USE IN THE EXTERMINATION OF ROACHES, ANTS, AND BEDBUGS. THE DE PREE COMPANY, Holland, Mich.
Filed September 17, 1945. Serial No. 488,577. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,274. HAIR TONIC, BRILLIANTINE, AFTER-SHAVE LOTION, AND SHAMPOO. L. B. COULTER, Salisbury, N. C.
Filed September 19, 1945. Serial No. 488,687. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,275. TEST METER FOR CHECKING RADIO TRANSMITTERS. DAVID A. MARCUS, doing business as Electronic Specialty Co., Los Angeles, Calif.
Filed September 19, 1945. Serial No. 488,700. PUBLISHED OCTOBER 1, 1946. Class 26.

426,276. PIECE GOODS FABRICATED FROM RAYON, SILK, COTTON, WOOL, AND FLAX FABRICS; FIBERS MADE OF PLASTICS—NAMELY, NYLON; AND MIXTURES THEREOF; USED FOR DECORATIVE, DRAPERY, AND UPHOLSTERY PURPOSES. MIDLAND FABRICS COMPANY, New York, N. Y., assignor to Midland Fabrics Corporation, New York, N. Y., a corporation of New York.
Filed September 19, 1945. Serial No. 488,701. PUBLISHED OCTOBER 1, 1946. Class 42.

426,277. MACHINE TOOLS AND PARTS OF TOOLS, FOR WORKING AND CUTTING METAL AND OTHER MATERIALS—NAMELY, BORING TOOLS OR DRILLS, ETC. VASCOLOY-RAMET CORPORATION, North Chicago, Ill.
Filed September 19, 1945. Serial No. 488,717. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,278. HEMATINIC. ENDO PRODUCTS INC., New York, N. Y.
Filed September 27, 1945. Serial No. 489,051. PUBLISHED OCTOBER 8, 1946. Class 6.

426,279. MAYONNAISE, SANDWICH SPREAD COMPOSED OF PICKLES AND DRESSING, HOME STYLE DILL PICKLES, THOUSAND ISLAND DRESSING, ETC. WHEATLEY MAYONNAISE CO., INC., Louisville, Ky.
Filed October 1, 1945. Serial No. 489,243. PUBLISHED OCTOBER 1, 1946. Class 46.

426,280. AFTER SHAVE LOTION. MICHAEL SIEGEL, doing business as House of Pine, Roselle, N. J.
Filed October 3, 1945. Serial No. 489,362. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,281. MEDICAL PREPARATION—NAMELY, A NON-IRRITATING STAINLESS TAR CREAM USED IN THE TREATMENT OF SKIN DISEASES. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed October 4, 1945. Serial No. 489,413. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,282. SULFADIAZINE PREPARATIONS FOR USE IN VETERINARY MEDICINE. LEDERLE LABORATORIES, INC., New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine.
Filed October 5, 1945. Serial No. 489,471. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,283. PREPARATION FOR USE IN THE TREATMENT OF ACNE AND LIKE DISORDERS OF THE SKIN. WALLACE LABORATORIES, INC., New Brunswick, N. J.
Filed October 5, 1945. Serial No. 489,496. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,284. HARDWARE—NAMELY, LAWN MOWERS, PITCH FORKS, AND HAMMERS. J. M. DALGLISH AND COMPANY, St. Paul, Minn.
Filed October 8, 1945. Serial No. 489,569. PUBLISHED OCTOBER 1, 1946. Class 23.

426,285. CHEMICAL SOLVENT PREPARATION FOR CLEANING TANKS, SUCTION LINES AND OIL SYSTEMS. NEW PROCESS SERVICE COMPANY, San Francisco, Calif.
Filed October 8, 1945. Serial No. 489,603. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,286. GREETING CARDS. ARTISTIC CARD COMPANY, Elmira, N. Y.
Filed October 10, 1945. Serial No. 489,708. PUBLISHED OCTOBER 8, 1946. Class 38.

426,287. PHOTOGRAPHIC ENLARGERS AND ACCESSORIES THEREFOR. DEJUR-AMSCO CORPORATION, Long Island City, N. Y.
Filed October 10, 1945. Serial No. 489,718. PUBLISHED SEPTEMBER 24, 1946. Class 26.

426,288. NAIL POLISH REMOVER. RUTH WEISSBERG, doing business as Ruth Darling Lab., Newark, N. J.
Filed October 16, 1945. Serial No. 490,045. PUBLISHED OCTOBER 1, 1946. Class 6.

426,289. CONCRETE MIXERS. ESSICK MANUFACTURING COMPANY, Los Angeles, Calif.
Filed October 10, 1945. Serial No. 489,725. PUBLISHED OCTOBER 8, 1946. Class 23.

426,290. TROUSERS. WALDMAN AND STEIN, Hammonton, N. J.
Filed October 11, 1945. Serial No. 489,837. PUBLISHED OCTOBER 1, 1946. Class 39.

426,291. CORROSION PREVENTATIVE COMPOSITIONS, ETC. BEE CHEMICAL COMPANY, Chicago, Ill.
Filed October 15, 1945. Serial No. 489,933. PUBLISHED OCTOBER 1, 1946. Class 6.

426,292. MONTHLY PUBLICATION DEVOTED TO PROMOTING THE COMMERCE OF FRANCE. SOCIÉTÉ DE PUBLICITÉ ET D'EDITIONS "LA QUALITE FRANCAISE" (S. A. R. L.), Paris, France.
Filed October 17, 1945. Serial No. 490,088. PUBLISHED OCTOBER 1, 1946. Class 38.

426,293. ELECTRIC VARIABLE RESISTORS AND RADIO-TYPE POTENTIOMETERS. NATIONAL TECHNICAL LABORATORIES, South Pasadena, Calif.
Filed October 22, 1945. Serial No. 490,325. PUBLISHED SEPTEMBER 24, 1946. Class 21.

426,294. CORN SHELLERS, DISK HARROWS, AND LIME SOWERS. GENERAL IMPLEMENT CORPORATION, Cleveland, Ohio.
Filed October 24, 1945. Serial No. 490,427. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,295. DECORATIVE EDGINGS OF PLASTIC MATERIAL FOR SHELVES. STOR-AID, INC., New York, N. Y.
Filed October 25, 1945. Serial No. 490,510. PUBLISHED OCTOBER 8, 1946. Class 13.

426,296. BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C.
Filed October 27, 1945. Serial No. 490,580. PUBLISHED OCTOBER 8, 1946. Class 37.

426,297. PIECE GOODS, TO WIT, RAYON AND NYLON PIECE GOODS. MARTIN WEINER, New York, N. Y.
Filed October 31, 1945. Serial No. 490,867. PUBLISHED OCTOBER 8, 1946. Class 42.

426,298. ELECTRICAL PRODUCT BOOKLET ISSUED PERIODICALLY. ROBERT HETHERINGTON & SON, INC., Wilmington, Del.
Filed November 1, 1945. Serial No. 490,885. PUBLISHED OCTOBER 1, 1946. Class 38.

426,299. ELECTRIC LAMPS—NAMELY, ELECTRIC LAMPS FOR MOTOR VEHICLES AND PARTS THEREOF, NON-GLARING ELECTRIC FOG AND TRAFFIC LAMPS, VEHICLE LAMP REFLECTORS, AND ELECTRIC FLASH LIGHTS. NOTEK ELECTRIC COMPANY LIMITED, Kent, England.
Filed November 3, 1945. Serial No. 491,041. PUBLISHED SEPTEMBER 24, 1946. Class 21.

426,300. ADHESIVE TAPES USED IN THE ELECTRICAL INDUSTRY FOR BINDING AND INSULATING, AND IN THE CONSTRUCTION OF ELECTRICAL GOODS AND ELECTRICAL STRUCTURES. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J.
Filed November 5, 1945. Serial No. 491,097. PUBLISHED OCTOBER 1, 1946. Class 21.

426,301. CHEMICAL PREPARATION INCLUDING THE SULFATES OF MANGANESE, AMMONIUM, AND MAGNESIUM FOR GENERAL USE IN THE AGRICULTURAL AND INDUSTRIAL ARTS. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn.
Filed November 8, 1945. Serial No. 491,289. PUBLISHED OCTOBER 1, 1946. Class 6.

426,302. TOOL LIFE INCREASING CHEMICALS FOR METAL INDUSTRY: GRINDING CHEMICALS, MACHINING CATALYSTS, ETC. BEE CHEMICAL COMPANY, Chicago, Ill.
Filed November 10, 1945. Serial No. 491,386. PUBLISHED OCTOBER 1, 1946. Class 6.

426,303. GRINDING CHEMICALS, ADDITIVES AND CUTTING CHEMICALS FOR USE WITH NON-METALLIC CUTTING TOOLS, ETC.. BEE CHEMICAL COMPANY, Chicago, Ill.
Filed November 10, 1945. Serial No. 491,391. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,304. DRESSES. GAY JR. DRESSES, INC., New York, N. Y.
Filed November 10, 1945. Serial No. 491,407. PUBLISHED OCTOBER 1, 1946. Class 39.

426,305. OPTICAL GOODS—NAMELY, PROJECTION LENSES, OPTICAL LENSES AND COMBINATIONS FOR SOUND TRACKS, TELESCOPIC SPECTACLES, AND CONTACT LENSES. KOLLMORGEN OPTICAL CORPORATION, Brooklyn, N. Y.
Filed November 14, 1945. Serial No. 491,578. PUBLISHED OCTOBER 8, 1946. Class 26.

426,306. SMOKING PIPES. ART-CRAFT BRIAR PIPE CO., Brooklyn, N. Y.
Filed November 15, 1945. Serial No. 491,620. PUBLISHED OCTOBER 1, 1946. Class 8.

426,307. PHOTOGRAPHIC CAMERAS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed November 15, 1945. Serial No. 491,640. PUBLISHED OCTOBER 8, 1946. Class 26.

426,308. PERFUME. IRRESISTIBLE, INC., New York, N. Y.
Filed November 17, 1945. Serial No. 491,759. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,309. PREPARATION FOR USE IN COUNTERACTING THE ODOR OF ALCOHOLIC BREATH. JAY C. HALL, doing business as Rintzet Co., Huntington Park, Calif.
Filed November 26, 1945. Serial No. 492,195. PUBLISHED OCTOBER 1, 1946. Class 6.

426,310. TABLET FOR ORAL ADMINISTRATION AS AN ANTACID. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed November 26, 1945. Serial No. 492,213. PUBLISHED OCTOBER 1, 1946. Class 6.

426,311. WITHDRAWN.

426,312. PERFUME, COLOGNE, DUSTING POWDER, TALCUM POWDER AND SACHET POWDER. ELMO SALES CORPORATION, Philadelphia, Pa.
Filed December 4, 1945. Serial No. 492,619. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,313. DYESTUFF. MARWIN DYESTUFF CORPORATION, Jersey City, N. J.
Filed December 4, 1945. Serial No. 492,642. PUBLISHED OCTOBER 8, 1946. Class 6.

426,314. DYESTUFF. MARWIN DYESTUFF CORPORATION, Jersey City, N. J.
Filed December 4, 1945. Serial No. 492,643. PUBLISHED OCTOBER 8, 1946. Class 6.

426,315. DYESTUFF. MARWIN DYESTUFF CORPORATION, Jersey City, N. J.
Filed December 4, 1945. Serial No. 492,644. PUBLISHED OCTOBER 8, 1946. Class 6.

426,316. DYESTUFF. MARWIN DYESTUFF CORPORATION, Jersey City, N. J.
Filed December 4, 1945. Serial No. 492,645. PUBLISHED OCTOBER 8, 1946. Class 6.

426,317. DYESTUFF. MARWIN DYESTUFF CORPORATION, Jersey City, N. J.
Filed December 4, 1945. Serial No. 492,646. PUBLISHED OCTOBER 8, 1946. Class 6.

426,318. COLOGNE. KAY DAUMIT, Chicago, Ill., assignor to Kay Daumit, Inc., Chicago, Ill., a corporation of Illinois.
Filed December 5, 1945. Serial No. 492,688. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,319. ELECTRIC MOTOR DRIVEN FLUID PUMPS, AND SPECIFICALLY HYDRAULIC PUMPS, DIRECTLY CONNECTED TO BE DRIVEN BY AN ELECTRIC MOTOR AND FOR USE IN OPERATING REGULATOR MECHANISMS FOR VEHICLES SUCH, FOR EXAMPLE, AS WINDOW REGULATORS. DETROIT HARVESTER COMPANY, Detroit, Mich.
Filed December 5, 1945. Serial No. 492,692. PUBLISHED OCTOBER 1, 1946. Class 23.

426,320. KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, ETC. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed December 5, 1945. Serial No. 492,695. PUBLISHED OCTOBER 1, 1946. Class 23.

426,321. KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—NAMELY, FOOD CHOPPERS, ICE PICKS, SCOOPS, ETC. EKCO PRODUCTS COMPANY, Chicago, Ill.
Filed December 5, 1945. Serial No. 492,697. PUBLISHED SEPTEMBER 10, 1946. Class 23.

426,322. NIGHT SKIN CREAM, COLD CREAM, CLEANSING CREAM, HAND CREAM, AND OTHER CREAMS FOR APPLICATION TO THE SKIN, ETC. FRANZ KLEIN, doing business as Coeur Dame Laboratories, Newark, N. J.
Filed December 5, 1945. Serial No. 492,713. PUBLISHED SEPTEMBER 24, 1946. Class 6.

426,323. PERFUME, COLOGNE, LIPSTICK, FACE POWDER, SACHET POWDER, BRILLIANTINE, AND HAND LOTION. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed December 7, 1945. Serial No. 492,824. PUBLISHED OCTOBER 1, 1946. Class 6.

426,324. RUBBING MASSAGE COMPOUND, HAIR OIL, AND BRILLIANTINE. GOTTLIEB BASS, doing business as Sapo Elixir Chemical Company, St. Louis, Mo.
Filed December 8, 1945. Serial No. 492,888. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,325. READY-MIXED PAINTS. U. S. PAINT, LACQUER & CHEMICAL CO., St. Louis, Mo.
Filed December 8, 1945. Serial No. 492,973. PUBLISHED SEPTEMBER 24, 1946. Class 16

426,326. FLOWER SEEDS, GRASS SEED, BULBS, AND PLANTS, ALL IN THE HORTICULTURAL GROUP. WILLIAM H. NIEMANN & CO., New York, N. Y.
Filed December 14, 1945. Serial No. 493,277. PUBLISHED OCTOBER 8, 1946. Class 1.

426,327. PRODUCT FOR USE IN THE TREATMENT OF NEUROSIS, AS FOR EXAMPLE ADDICTION TO ALCOHOL OR NARCOTICS, AND TO BE USED ONLY UNDER THE DIRECTION OF A PHYSICIAN. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 15, 1945. Serial No. 493,306. PUBLISHED SEPTEMBER 24, 1946. Class 6.

426,328. VITAMIN PREPARATION CONTAINING RIBOFLAVIN AND NICOTINAMIDE AS ITS PRINCIPAL ACTIVE INGREDIENTS, ETC. ABBOTT LABORATORIES, North Chicago, Ill.
Filed December 15, 1945. Serial No. 493,307. PUBLISHED OCTOBER 1, 1946. Class 6.

426,329. BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C.
Filed December 15, 1945. Serial No. 493,329. PUBLISHED OCTOBER 8, 1946. Class 37.

426,330. OPTICAL INSTRUMENTS—I. E., PLIERS. PREMIER OPTICAL PRODUCTS, INC., New York, N. Y.
Filed December 17, 1945. Serial No. 493,453. PUBLISHED OCTOBER 1, 1946. Class 23.

426,331. TOILET WATER. MARIE RICHELIEU PARFUM ODESANT, INC., New York, N. Y.
Filed December 18, 1945. Serial No. 493,514. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,332. COLLAPSIBLE CANOPY FRAME FOR ATTACHMENT TO AUTOMOTIVE VEHICLES COMBINED WITH CANVAS COVERS THEREFOR. BEN G. BARNETT, doing business as Harben Manufacturing Company, Dallas, Tex.
Filed December 19, 1945. Serial No. 493,530. PUBLISHED OCTOBER 1, 1946. Class 19.

426,333. SEDATIVE IN EFFERVESCENT AND/OR LIQUID FORM FOR NERVOUS HEADACHE, SLEEPLESSNESS AND RESTLESSNESS, NERVOUS IRRITABILITY AND EXCITABILITY. MILES LABORATORIES, INC., Elkhart, Ind.
Filed December 19, 1945. Serial No. 493,564. PUBLISHED SEPTEMBER 24, 1946. Class 6.

426,334. METHYL ESTER OF COCOANUT OIL FATTY ACIDS USED AS A SOLVENT, EMULSION STABILIZER, PLASTICIZER, SURFACE ACTIVE AGENT, AND OTHER PURPOSES. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed December 21, 1945. Serial No. 493,659. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,335. MEDICINES—NAMELY, PREPARATIONS TAKEN INTERNALLY FOR THE TREATMENT OF THE BODY, PARTICULARLY THE GASTRO-INTESTINAL TRACT. TONY BARONE, doing business as Laboratory Products Company, Detroit, Mich.
Filed December 29, 1945. Serial No. 494,006. PUBLISHED OCTOBER 8, 1946. Class 6.

426,336. MILD HEPATIC STIMULANT USED FOR OCCASIONAL CONSTIPATION. GEORGE J. WALLAU, INC., New York, N. Y.
Filed December 29, 1945. Serial No. 494,147. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,337. COSMETIC PREPARATIONS—NAMELY, PERFUME AND COLOGNE. CARREL, LTD., Chicago, Ill.
Filed January 2, 1946. Serial No. 494,177. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,338. COUGH SYRUP. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed January 3, 1946. Serial No. 494,208. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,339. PIPES. DAN FILLSON, Fairbanks, Territory of Alaska.
Filed January 7, 1946. Serial No. 494,397. PUBLISHED OCTOBER 1, 1946. Class 8.

426,340. NAIL POLISH, NAIL OIL, SKIN CREAM, AND SHAMPOO. EVE RAE GROSSMAN, doing business as Cosmetic Arts Laboratories, Upper Montclair, N. J.
Filed January 10, 1946. Serial No. 494,557. PUBLISHED OCTOBER 8, 1946. Class 6.

426,341. STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND METAL TOGETHER; ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, AND METAL, ON TO WOOD. MARKWELL MFG. CO., INC., New York, N. Y.
Filed January 10, 1946. Serial No. 494,567. PUBLISHED OCTOBER 1, 1946. Class 23.

426,342. INSECTICIDE. WILLIAM PETERMAN, INC., Newark, N. J.
Filed January 10, 1946. Serial No. 494,573. PUBLISHED OCTOBER 8, 1946. Class 6.

426,343. TEXTILE FABRICS IN THE PIECE, YARD OR BOLT MADE OF WOOL, WORSTED, COTTON, RAYON, SILK, LINEN, PROTEIN FIBRES, AND MIXTURES THEREOF. RUPERT H. AUSTIN, doing business as Aubry Fabrics Co., New York, N. Y.
Filed January 11, 1946. Serial No. 494,591. PUBLISHED OCTOBER 1, 1946. Class 42.

426,344. RIBBON SOLD BY THE BOLT. DELAWARE RIBBON MANUFACTURERS, INC., Philadelphia, Pa.
Filed January 11, 1946. Serial No. 494,596. PUBLISHED OCTOBER 1, 1946. Class 42.

426,345. LINIMENT FOR THE RELIEF OF MUSCULAR CRAMPS, STIFFNESS AND SORENESS, STIFF NECK, AND MINOR SPRAINS. GREEN CIRCLE PRODUCTS, Chicago, Ill.
Filed January 12, 1946. Serial No. 494,673. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,346. ANTIBACTERIAL AND EAR DROP PREPARATION WITH ANALGESIC AND ANESTHETIC PROPERTIES. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed January 12, 1946. Serial No. 494,715. PUBLISHED OCTOBER 8, 1946. Class 6.

426,347. LIPSTICK, ROUGE, AND NAIL POLISH. AVON PRODUCTS, INC., New York, N. Y.
Filed January 15, 1946. Serial No. 494,773. PUBLISHED OCTOBER 1, 1946. Class 6.

426,348. LIPSTICK, ROUGE, AND NAIL POLISH. AVON PRODUCTS, INC., New York, N. Y.
Filed January 15, 1946. Serial No. 494,778. PUBLISHED OCTOBER 1, 1946. Class 6.

426,349. VITAMINIC PREPARATIONS TO BE USED AS PRESCRIBED BY A PHYSICIAN. DAVID KAYE, doing business as Kaye Laboratories, Brooklyn, N. Y.
Filed January 15, 1946. Serial No. 494,794. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,350. IMITATION PEARL NECKLACES, BRACELETS, PINS, AND EARRINGS. LAY & BORGES, New York, N. Y., assignor to Gemsco, Inc., New York, N. Y., a corporation of New York.
Filed January 15, 1946. Serial No. 494,795. PUBLISHED JUNE 18, 1946. Class 28.

426,351. SEDATIVE, ANALGESIC, AND ANTIPYRETIC COMPOUND. ABBOTT LABORATORIES, North Chicago, Ill.
Filed January 16, 1946. Serial No. 494,804. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,352. BELT TYPE CONVEYING APPARATUS MOUNTED ON AND USED WITH MOTOR TRUCKS HAVING DUMP BODIES IN THE HANDLING OF COAL AND BULK MATERIALS. JOSEPH W. DAVIS, doing business as J. W. Davis Company, Bloomington, Ill.
Filed January 16, 1946. Serial No. 494,821. PUBLISHED OCTOBER 8, 1946. Class 23.

426,353. HEAT, WEAR, CORROSION, AND EROSION RESISTANT POPPET VALVE MECHANISMS, FACINGS AND PARTS THEREOF FOR FUEL BURNING ENGINES, ETC. EATON MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 16, 1946. Serial No. 494,826. PUBLISHED OCTOBER 8, 1946. Class 23.

426,354. VETERINARY REMEDY FOR THE RELIEF OF HOOF AILMENTS IN HORSES. ROBERT B. FALLENBERG, doing business as R. B. F. Chemical Co. and also as R. B. Fallenberg Laboratory, Glendale, Calif.
Filed January 16, 1946. Serial No. 494,829. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,355. ELECTRICAL OSCILLATORS AND FILTERS. FRANK RIEBER, doing business as Rieber Research Laboratory, New York, N. Y., and elsewhere.
Filed January 17, 1946. Serial No. 494,924. PUBLISHED OCTOBER 1, 1946. Class 21.

426,356. FINISHING COMPOSITIONS COMPRISING LACQUER AND RESIN-MIXED EMULSIONS FOR COLORING AND WATERPROOFING LEATHER, FABRICS, AND THE LIKE. CHEMICAL COATING MATERIALS COMPANY, Belleville, N. J.
Filed January 19, 1946. Serial No. 495,011. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,357. DENTAL PLATE CLEANER, IN POWDER FORM. CLARK CLEVELAND, INC., Binghamton, N. Y.
Filed January 19, 1946. Serial No. 495,012. PUBLISHED OCTOBER 8, 1946. Class 4.

426,358. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed January 19, 1946. Serial No. 495,053. PUBLISHED OCTOBER 8, 1946. Class 4.

426,359. MEDICATED POWDER FOR THE TREATMENT OF SIMPLE RINGWORM OF THE TOES AND FEET. GEO. H. GOULD COMPANY, Louisville, Ky.
Filed January 23, 1946. Serial No. 495,231. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,360. MEDICATED SOAP IN GRANULATED OR POWDERED FORM. CARL G. MURANO, doing business as Formax Company, New Haven, Conn.
Filed January 23, 1946. Serial No. 495,252. PUBLISHED SEPTEMBER 17, 1946. Class 4.

426,361. FILTER PAPER. THE EATON-DIKEMAN COMPANY, Mount Holly Springs, Pa.
Filed January 24, 1946. Serial No. 495,279. PUBLISHED OCTOBER 8, 1946. Class 31.

426,362. DISINFECTANT AND MILDEW AND BACTERIA PREVENTATIVE TO BE APPLIED TO THE FABRIC AND FILLING MATERIAL OF UPHOLSTERY AND MATTRESSES. LA FRANCE INDUSTRIES, Philadelphia, Pa.
Filed January 24, 1946. Serial No. 495,297. PUBLISHED OCTOBER 8, 1946. Class 6.

426,363. DETERGENTS, SUCH AS HAND, AUTO, WOODWORK, VENETIAN BLINDS, AND PAINTED SURFACE CLEANER. GOJER LABORATORIES, Akron, Ohio.
Filed January 25, 1946. Serial No. 495,374. PUBLISHED OCTOBER 8, 1946. Class 4.

426,364. PERFUMES. SOCIÉTÉ À RESPONSABILITÉ LIMITÉ: CARVEN, Paris, France.
Filed January 25, 1946. Serial No. 495,416. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,365. PERFUMES. SOCIÉTÉ À RESPONSABILITÉ LIMITÉ: CARVEN, Paris, France.
Filed January 25, 1946. Serial No. 495,417. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,366. PERFUMES. SOCIÉTÉ À RESPONSABILITÉ LIMITÉ: CARVEN, Paris, France.
Filed January 25, 1946. Serial No. 495,418. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,367. CANNED FRUITS AND VEGETABLES. HUNT FOODS, INC., San Francisco, Calif.
Filed January 26, 1946. Serial No. 495,475. PUBLISHED OCTOBER 8, 1946. Class 46.

426,368. TRAVELLING CRANE APPARATUS OF BOTH THE TROLLEY AND GANTRY TYPES FOR INSTALLATION ABOARD SHIPS FOR THE LOADING AND UNLOADING OF CARGO, AND PARTS OF SUCH APPARATUS. LAKE SHORE ENGINEERING COMPANY, Iron Mountain, Mich.
Filed January 26, 1946. Serial No. 495,481. PUBLISHED OCTOBER 1, 1946. Class 23.

426,369. PRINTED ADVERTISING MATERIAL IN PICTURES OR WORD FORM SOLD AS SUCH IN TRADE. BOURKE, HOLLAND & MILLER, INC., New York, N. Y.
Filed January 28, 1946. Serial No. 495,536. PUBLISHED OCTOBER 1, 1946. Class 38.

426,370. HOUSEHOLD CLEANSER. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed January 29, 1946. Serial No. 495,588. PUBLISHED OCTOBER 8, 1946. Class 4.

426,371. HOUSEHOLD CLEANSER. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed January 29, 1946. Serial No. 495,589. PUBLISHED OCTOBER 8, 1946. Class 4.

426,372. ARYL BENZENE, BEING AN INTERMEDIATE PRODUCT FOR INDUSTRIAL CONVERSION TO VARIOUS FINISHED PRODUCTS SUCH AS SYNTHETIC DETERGENTS. HARDESTY CHEMICAL CO., INC., New York, N. Y.
Filed January 30, 1946. Serial No. 495,669. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,373. BOOKS, MAGAZINES, AND PERIODICALS. THEODORE I. COHEN, Kansas City, Mo.
Filed February 1, 1946. Serial No. 495,792. PUBLISHED OCTOBER 1, 1946. Class 38.

426,374. COFFEE. HILLS BROS. COFFEE, INC., San Francisco, Calif.
Filed February 1, 1946. Serial No. 495,800. PUBLISHED OCTOBER 8, 1946. Class 46.

426,375. COFFEE. HILLS BROS. COFFEE, INC., San Francisco, Calif.
Filed February 1, 1946. Serial No. 495,801. PUBLISHED OCTOBER 8, 1946. Class 46.

426,376. ORAL PENICILLIN. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y.
Filed February 1, 1946. Serial No. 495,821. PUBLISHED OCTOBER 1, 1946. Class 6.

426,377. RUCHINGS MADE OF RAYON AND COTTON FABRICS. TRIO NOVELTY COMPANY, New York, N. Y.
Filed October 19, 1945. Serial No. 495,854. PUBLISHED OCTOBER 1, 1946. Class 42.

426,378. PHARMACEUTICAL PREPARATIONS—NAMELY, PENICILLIN, LIVER EXTRACT, ESTROGENIC SUBSTANCE IN OIL, IRON CACODYLATE, AND EMETINE HYDROCHLORIDE. BRISTOL LABORATORIES INC., Syracuse, N. Y.
Filed February 2, 1946. Serial No. 495,859. PUBLISHED SEPTEMBER 24, 1946. Class 6.

426,379. KITCHEN STOVES, RANGES, PORTABLE, SPACE AND WATER HEATERS CONSUMING KEROSENE, OIL, OR NATURAL OR ARTIFICIAL GAS FOR FUEL. THE CHAMPION STOVE COMPANY, Cleveland, Ohio.
Filed February 4, 1946. Serial No. 495,954. PUBLISHED OCTOBER 1, 1946. Class 34.

426,380. RUBBER VULCANIZING CEMENT AND CEMENTITIOUS VULCANIZING GUM. SUN OIL COMPANY, Philadelphia, Pa.
Filed February 9, 1946. Serial No. 496,346. PUBLISHED OCTOBER 8, 1946. Class 5.

426,381. MULTI-VITAMIN PERLES USED AS A DIETARY SUPPLEMENT FOR NUTRITIONAL PURPOSES. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif.
Filed February 12, 1946. Serial No. 496,419. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,382. PREPARATION INDICATED IN AND FOR THE CARE, COMFORT, HYGIENE AND TREATMENT OF THE EYES. THE KNOX COMPANY, Los Angeles, Calif.
Filed February 12, 1946. Serial No. 496,449. PUBLISHED SEPTEMBER 24, 1946. Class 6.

426,383. ELECTRICALLY LIGHTED AND OPERATED TRAVELLING MESSAGE SIGNS. TRANS-LUX NEWS-SIGN CORPORATION, New York, N. Y.
Filed February 12, 1946. Serial No. 496,487. PUBLISHED OCTOBER 1, 1946. Class 21.

426,384. ELECTRICALLY LIGHTED AND OPERATED TRAVELING MESSAGE SIGNS. TRANS-LUX NEWS-SIGN CORPORATION, New York, N. Y.
Filed February 12, 1946. Serial No. 496,488. PUBLISHED OCTOBER 1, 1946. Class 21.

426,385. LOCKS. THE C. L. GOUGLER KEYLESS LOCK COMPANY, Kent, Ohio, assignor to The C. L. Gougler Machine Company, Kent, Ohio, a corporation of Ohio.
Filed February 13, 1946. Serial No. 496,504. PUBLISHED OCTOBER 1, 1946. Class 25.

426,386. FOUNTAIN PENS AND MECHANICAL PENCILS. EVERSHARP, INC., Chicago, Ill.
Filed February 14, 1946. Serial No. 496,551. PUBLISHED OCTOBER 1, 1946. Class 37.

426,387. CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. ROBERT H. PATTERSON, Atlanta, Ga.
Filed February 14, 1946. Serial No. 496,565. PUBLISHED OCTOBER 1, 1946. Class 17.

426,388. AGRICULTURAL IMPLEMENT —NAMELY, A SOIL PULVERIZER. AGERSTRAND CORPORATION, Muskegon, Mich.
Filed February 16, 1946. Serial No. 496,682. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,389. PERFUME, HAND LOTION, LIQUID BRILLIANTINE, AND HAIR TONIC. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed February 16, 1946. Serial No. 496,688. PUBLISHED SEPTEMBER 24, 1946. Class 6.

426,390. FURNITURE POLISH AND FLOOR WAX. THE GRAND UNION COMPANY, New York, N. Y.
Filed February 16, 1946. Serial No. 496,698. PUBLISHED SEPTEMBER 24, 1946. Class 16.

426,391. OINTMENTS USED IN THE TREATMENT OF ATHLETE'S FOOT, CHAPPED SKIN, INSECT STINGS, MINOR BURNS AND SCALDS, ETC. JOHN M. CENICOLA, Los Angeles, Calif.
Filed February 18, 1946. Serial No. 496,765. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,392. COMPOUND FOR WASHING WOOLENS. DUNCAN R. MACKENZIE, doing business as Duncan Mackenzie Company, New York, N. Y.
Filed February 18, 1946. Serial No. 496,849. PUBLISHED SEPTEMBER 24, 1946. Class 4.

426,393. HOUSEHOLD CLEANER. HOOD CHEMICAL COMPANY, INC., New York, N. Y.
Filed February 19, 1946. Serial No. 496,911. PUBLISHED SEPTEMBER 24, 1946. Class 4.

426,394. STROPHANTHUS TINCTURE, BISMUTH SUBSALICYLATE WITH CHLOROBUTANOL IN OIL, SOLUTION OF DIGOXIN AND "HAZELINE" WITCH HAZEL. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed February 20, 1946. Serial No. 496,948. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,395. FRESH VEGETABLES. BIGGAR & BIGGAR, Fort Myers, Fla.
Filed February 21, 1946. Serial No. 497,010. PUBLISHED OCTOBER 8, 1946. Class 46.

426,396. FABRICS IN THE PIECE MADE OF RAYON. PONDEL FABRICS, INC., Pawtucket, R. I.
Filed February 21, 1946. Serial No. 497,040. PUBLISHED OCTOBER 1, 1946. Class 42.

426,397. SUPPLEMENTS FOR FEED FOR POULTRY, LIVE STOCK OR OTHER ANIMALS WHEREIN THE SUPPLEMENT IS PREDOMINATELY OF MINERAL OR CHEMICAL CHARACTER. THE FARM MINERALS COMPANY, INC., Fishers, Ind.
Filed February 23, 1946. Serial No. 497,085. PUBLISHED OCTOBER 8, 1946. Class 6.

426,398. PAPER NAPKINS AND PAPER TRAY COVERS. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis.
Filed February 23, 1946. Serial No. 497,116. PUBLISHED OCTOBER 8, 1946. Class 37.

426,399. GREETING CARDS. NOVELART MANUFACTURING COMPANY, New York, N. Y.
Filed February 23, 1946. Serial No. 497,118. PUBLISHED OCTOBER 1, 1946. Class 38.

426,400. WHIPPING AND EMULSIFYING AGENT FOR USE IN THE MANUFACTURE OF SUCH MATERIALS AS BREAD, CAKE, ICE CREAM, FILLINGS, ICINGS AND THE LIKE. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed February 23, 1946. Serial No. 497,148. PUBLISHED OCTOBER 8, 1946. Class 46.

426,401. WHIPPING AND EMULSIFYING AGENT FOR USE IN THE MANUFACTURE OF SUCH MATERIALS AS BREAD, CAKE, ICE CREAM, FILLINGS, ICINGS, AND THE LIKE. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed February 23, 1946. Serial No. 497,150. PUBLISHED OCTOBER 8, 1946. Class 46.

426,402. WAX TO PRESERVE, PROTECT, AND POLISH ASPHALT TILE, CORK TILE, RUBBER TILE, CORK COMPOSITION, LINOLEUM, AND HARDWOOD FLOORS. DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed February 26, 1946. Serial No. 497,251. PUBLISHED OCTOBER 8, 1946. Class 16.

426,403. MEDICATED SWEETMEATS FOR THE RELIEF OF THROAT AND CHEST IRRITATION. TEASDALE & CO: LIMITED, Carlisle, England.
Filed February 26, 1946. Serial No. 497,278. PUBLISHED OCTOBER 8, 1946. Class 6.

426,404. GERMICIDE FOR GENERAL DISINFECTION. VITAMINS & PHARMACEUTICALS, INC., Dover, Del.
Filed February 26, 1946. Serial No. 497,282. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,405. PERFUMES, COLOGNES, TOILET WATERS, SKIN DRESSINGS, LIPSTICKS, ROUGES, FACE CREAMS, COSMETIC AND BATH OILS, AND FACE AND BODY DUSTING POWDERS. PARFUMS SCHIAPARELLI, INC., New York, N. Y.
Filed February 27, 1946. Serial No. 497,327. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,406. PLASTIC CIGARETTE CONTAINER IN THE NATURE OF CIGARETTE CASES. CHARLES M. PRITZKER, New York, N. Y.
Filed February 27, 1946. Serial No. 497,331. PUBLISHED OCTOBER 8, 1946. Class 8.

426,407. GREETING CARDS. GEORGE H. DAVIS, doing business as George H. Davis Company, Minneapolis, Minn.
Filed March 1, 1946. Serial No. 497,464. PUBLISHED OCTOBER 1, 1946. Class 38.

426,408. GREETING CARDS. GEORGE H. DAVIS, doing business as George H. Davis Company, Minneapolis. Minn.
Filed March 1, 1946. Serial No. 497,465. PUBLISHED OCTOBER 1, 1946. Class 38.

426,409. WEED KILLER USED AS A SPRAY OR DUST TO CONTROL WEEDS. PLANT PRODUCTS CORPORATION, Blue Point, N. Y.
Filed March 1, 1946. Serial No. 497,493. PUBLISHED OCTOBER 8, 1946. Class 6.

426,410. WAVE CREAM, HAIR DRESSING, AND OIL HAIR DRESSING. STABER'S FOR BEAUTY, Los Angeles, Calif.
Filed March 1, 1946, Serial No. 497,504. PUBLISHED OCTOBER 8, 1946. Class 6.

426,411. PAPER TOILET SEAT COVERS. PROTECTO PRODUCTS CO., INC., Pomona, Calif.
Filed March 2, 1946. Serial No. 497,566. PUBLISHED OCTOBER 8, 1946. Class 37.

426,412. MEN'S UNDERWEAR AND SHIRTS. GO MANUFACTURING COMPANY, New York, N. Y.
Filed March 4, 1946. Serial No. 497,602. PUBLISHED OCTOBER 1, 1946. Class 39.

426,413. PERFUMES, TOILET WATERS, EAU DE COLOGNES, SACHET POWDERS, TALCUM POWDER, FACE POWDER, BATH POWDER, FACE CREAMS, CLEANSING CREAMS, LIPSTICK, AND ROUGE. PARFUMS CHARBERT, INC., New York, N. Y.
Filed March 6, 1946. Serial No. 497,735. PUBLISHED OCTOBER 8, 1946. Class 6.

426,414. CAT FOOD. THE THEOBALD INDUSTRIES, Kearny, N. J.
Filed March 6, 1946. Serial No. 497,754. PUBLISHED OCTOBER 1, 1946. Class 46.

426,415. INSECTICIDE. M. J. BENNETT & CO., New York, N. Y.
Filed March 7, 1946. Serial No. 497,770. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,416. VITAMIN-MINERAL SUPPLEMENT FOR CATTLE, SHEEP, HOGS AND OTHER DOMESTIC ANIMALS. U. S. VITAMIN CORPORATION, New York, N. Y.
Filed March 7, 1946. Serial No. 497,827. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,417. GARDEN TRACTORS AND CULTIVATORS. AIRCRAFT MECHANICS INC., Colorado Springs, Colo.
Filed March 8, 1946. Serial No. 497,832. PUBLISHED OCTOBER 1, 1946. Class 23.

426,418. PLASTIC COMPOSITION IN SHEET FORM USED FOR VARIOUS MANUFACTURING PURPOSES IN THE ARTS. HERBERT J. HERIBERT, New York, N. Y.
Filed March 8, 1946. Serial No. 497,860. PUBLISHED OCTOBER 8, 1946. Class 1.

426,419. SOLUTION TO BE USED AS A COATING, FINISH OR LACQUER FOR TEXTILES AND FOR PLASTICS, ETC. HERBERT J. HERIBERT, New York, N. Y.
Filed March 8, 1946. Serial No. 497,861. PUBLISHED OCTOBER 8, 1946. Class 6.

426,420. ETHYLENE OXIDE AND ETHYLENE GLYCOL. JEFFERSON CHEMICAL COMPANY, INC., New York, N. Y.
Filed March 8, 1946. Serial No. 497,864. PUBLISHED OCTOBER 8, 1946. Class 6.

426,421. CIGARETTE CASES. EDITH B. DUELL, Detroit, Mich.
Filed March 9, 1946. Serial No. 497,923. PUBLISHED OCTOBER 8, 1946. Class 8.

426,422. SCREWING AND PRESSING PENCILS, AND FOUNTAIN-PENS. KOH-I-NOOR PENCIL FACTORY L. & C. HARDTMUTH, Ceske Budejovice, Czechoslovakia.
Filed March 9, 1946. Serial No. 497,941. PUBLISHED OCTOBER 8, 1946. Class 37.

426,423. PERFUMES. SOCIÉTÉ D'ETUDES ET D'EXPANSION DE LA PARFUMERIE DE LUXE, Paris and Asnieres, near Paris, France.
Filed March 9, 1946. Serial No. 497,981. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,424. ELECTRICAL SWITCHES. THE BIRD ELECTRONIC CORPORATION, Cleveland, Ohio.
Filed March 11, 1946. Serial No. 497,990. PUBLISHED OCTOBER 8, 1946. Class 21.

426,425. DOOR CHECKS. SWALLOW AIRPLANE COMPANY, INC., Wichita, Kans.
Filed March 11, 1946. Serial No. 498,037. PUBLISHED OCTOBER 8, 1946. Class 13.

426,426. POROUS INORGANIC MATERIAL EMPLOYED IN THE TREATMENT OF AIR AND OTHER GASES, LIQUIDS AND SOLIDS, PARTICULARLY AS A DESSICANT OR DEHUMIDIFIER. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed March 12, 1946. Serial No. 498,092. PUBLISHED OCTOBER 8, 1946. Class 6.

426,427. EARTH MOVING CARRIER SCRAPERS. WOOLDRIDGE MANUFACTURING COMPANY, Sunnyvale, Calif.
Filed March 12, 1946. Serial No. 498,101. PUBLISHED OCTOBER 8, 1946. Class 23.

426,428. AUTOMOTIVE STANDS OF THE STEEL HORSE TYPE. DEXTEROUS ENGINEERING CO., INC., Chicago, Ill.
Filed March 13, 1946. Serial No. 498,123. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,429. FLUID SUSPENSION OF A SULFA DRUG FOR USE AS AN AID IN THE TREATMENT OF BOVINE MASTITIS. GLOBE LABORATORIES, Fort Worth, Tex.
Filed March 13, 1946. Serial No. 498,135. PUBLISHED AUGUST 6, 1946. Class 6.

426,430. PERFUMES. GEORGE C. HESTER, doing business as Janet Hester, Glendale, Calif.
Filed March 13, 1946. Serial No. 498,139. PUBLISHED OCTOBER 8, 1946. Class 6.

426,431. PERFUMES. GEORGE C. HESTER, doing business as Janet Hester, Glendale, Calif.
Filed March 13, 1946. Serial No. 498,140. PUBLISHED OCTOBER 8, 1946. Class 6.

426,432. LINIMENT FOR RELIEF OF MUSCULAR CRAMPS, INSECT BITES, SUPERFICIAL CUTS, ACHES AND PAINS. ALBERT E. CORYER, Prairie du Chien, Wis.
Filed March 14, 1946. Serial No. 498,209. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,433. CHEMICALS FOR USE IN MAKING SYNTHETIC RESINS AND PLASTICS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed March 14, 1946. Serial No. 498,241. PUBLISHED OCTOBER 8, 1946. Class 6.

426,434. VITAMIN AND MINERAL PREPARATION FOR USE IN THE PREVENTION AND TREATMENT OF METABOLIC DEFICIENCIES. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed March 14, 1946. Serial No. 498,257. PUBLISHED OCTOBER 8, 1946. Class 6.

426,435. SAFETY RAZORS AND SAFETY RAZOR BLADES. TEKNISKA AKTIEBOLAGET FLORA, Gavle, Sweden.
Filed March 15, 1946. Serial No. 498,324. PUBLISHED OCTOBER 1, 1946. Class 23.

426,436. WOOLEN GOODS IN THE PIECE. WORUMBO MANUFACTURING COMPANY, Lisbon Falls, Maine.
Filed March 16, 1946. Serial No. 498,363. PUBLISHED OCTOBER 8, 1946. Class 42.

426,437. FACE POWDER, FACE MAKEUP IN LIQUID FORM, CREAMS FOR THE HANDS AND FACE, SHAMPOOS, HAND LOTIONS, LIPSTICKS, NAIL LACQUERS, AND PERFUME. ASSOCIATED PRODUCTS, INC., Chicago, Ill.
Filed March 19, 1946. Serial No. 498,482. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,438. FACE POWDER, FACE MAKEUP IN LIQUID FORM, CREAMS FOR THE HANDS AND FACE, SHAMPOOS, HAND LOTIONS, LIPSTICKS, NAIL LACQUERS, AND PERFUME. ASSOCIATED PRODUCTS, INC., Chicago, Ill.
Filed March 19, 1946. Serial No. 498,484. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,439. PERFUME. STORRS H. HALL, Southgate, Calif.
Filed March 26, 1946. Serial No. 498,992. PUBLISHED OCTOBER 8, 1946. Class 6.

426,440. OUTER SHIRTS, UNDERWEAR FOR MEN, WOMEN, BOYS, AND GIRLS, AND HANDKERCHIEFS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed March 19, 1946. Serial No. 498,501. PUBLISHED OCTOBER 1, 1946. Class 39.

426,441. PREPARATIONS FOR FRESHENING OR DEODORIZING THE AIR. AIRKEM, INC., New York, N. Y.
Filed March 20, 1946. Serial No. 498,573. PUBLISHED OCTOBER 8, 1946. Class 6.

426,442. INSECTICIDES. JEROME D. KENNEDY, doing business as United Chemical Company, Rutland, Vt.
Filed March 20, 1946. Serial No. 498,635. PUBLISHED OCTOBER 8, 1946. Class 6.

426,443. LOTION FOR THE RELIEF OF SKIN IRRITATIONS DUE TO POISON IVY AND KINDRED TOXIC CONDITIONS. WYETH INCORPORATED, Philadelphia, Pa.
Filed March 20, 1946. Serial No. 498,674. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,444. ELECTRICAL COILS, ELECTRICAL SWITCHES AND CONDENSERS. SPARKY SPECIALTIES, INC., Chicago, Ill.
Filed March 21, 1946. Serial No. 498,727. PUBLISHED OCTOBER 8, 1946. Class 21.

426,445. ELECTRIC MARKERS AND ETCHERS FOR CUTTING OR ETCHING INDICIA ON GLASS, METAL, WOOD, PORCELAIN, OR PLASTICS. BREUER ELECTRIC MFG. CO., Chicago, Ill.
Filed March 22, 1946. Serial No. 498,752. PUBLISHED OCTOBER 8, 1946. Class 21.

426,446. ELECTRIC DUST COLLECTORS FOR WOOD WORKING MACHINES. BREUER ELECTRIC MFG. CO., Chicago, Ill.
Filed March 22, 1946. Serial No. 498,753. PUBLISHED OCTOBER 8, 1946. Class 21.

426,447. ELECTRIC LAMPS EMITTING ULTRAVIOLET RAYS FOR GERMICIDAL PURPOSES AND UNITARY COMBINATION STERLIZING EQUIPMENT, ETC. VIRAGON PRODUCTS, Kansas City, Mo.
Filed March 22, 1946. Serial No. 498,817. PUBLISHED OCTOBER 8, 1946. Class 21.

426,448. DEODORIZING MATERIAL FOR CLOSED SPACES SUCH AS REFRIGERATORS AND ROOMS IN BLOCK FORM. F. P. KEENOY, doing business as Keen-Aire Research Laboratories, Kansas City, Mo.
Filed March 25, 1946. Serial No. 498,905. PUBLISHED OCTOBER 8, 1946. Class 6.

426,449. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAM. DE MARBEL (SOCIÉTÉ À RESPONSABILITÉ LIMITÉE), Neuilly sur Seine, France.
Filed March 26, 1946. Serial No. 498,986. PUBLISHED OCTOBER 8, 1946. Class 6.

426,450. LAWN MOWERS. HEINEKE & COMPANY, Springfield, Ill.
Filed March 28, 1946. Serial No. 499,134. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,451. PRUNING AND LOPPING SHEARS. THE J. T. HENRY MANUFACTURING CO., Hamden, Conn.
Filed March 28, 1946. Serial No. 499,135. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,452. HAIR TONICS AND OINTMENT FOR BEAUTIFYING AND TREATING THE HAIR AND SCALP. LAFAYETTE DRUG COMPANY, INC., doing business as Kotalko Sales Company, Jersey City, N. J.
Filed March 28, 1946. Serial No. 499,138. PUBLISHED OCTOBER 8, 1946. Class 6.

426,453. PREPARATION FOR INDIGESTION, CONSTIPATION, HEARTBURN, COATED TONGUE, LOSS OF APPETITE, INACTIVE BOWELS, SOUR STOMACH, GAS-BELCHING, FLATULENCE, AND BAD TASTE IN THE MOUTH. KEMP AND LANE, INC., Le Roy, N. Y.
Filed April 1, 1946. Serial No. 499,416. PUBLISHED OCTOBER 8, 1946. Class 6.

426,454. ANKLETS OR BOBBY SOCKS AND MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. MOERS MILLS INC., Nashville, Tenn.
Filed March 30, 1946. Serial No. 499,342. PUBLISHED OCTOBER 1, 1946. Class 39.

426,455. SAFETY RAZORS, PARTS THEREOF, AND RAZOR BLADES. WARD MACHINE COMPANY, INC., Brockton, Mass.
Filed April 1, 1946. Serial No. 499,451. PUBLISHED OCTOBER 1, 1946. Class 23.

426,456. CIGARETTES. CONSTITUTION TOBACCO PRODUCTS CORP., New York, N. Y.
Filed March 30, 1946. Serial No. 499,319. PUBLISHED OCTOBER 8, 1946. Class 17.

426,457. INDUSTRIAL CENTRIFUGES. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y.
Filed March 30, 1946. Serial No. 499,320. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,458. BEDSPREADS, VANITY TABLE SKIRTS, AND TEXTILE BRIDGE TABLE COVERS. TEXTRON INCORPORATED, Providence, R. I.
Filed March 16, 1946. Serial No. 498,360. PUBLISHED OCTOBER 8, 1946. Class 42.

426,459. HAND SPRAYERS FOR INSECTICIDES AND THE LIKE. BOYLE-MIDWAY INC., Jersey City, N. J.
Filed April 2, 1946. Serial No. 499,477. PUBLISHED OCTOBER 8, 1946. Class 23.

426,460. HAND SPRAYERS FOR INSECTICIDES AND THE LIKE. BOYLE-MIDWAY INC., Jersey City, N. J.
Filed April 2, 1946. Serial No. 499,476. PUBLISHED OCTOBER 8, 1946. Class 23.

426,461. HAIR RESTORER. MAUDE GONYEA, Hazel Park, Mich.
Filed April 3, 1946. Serial No. 499,548. PUBLISHED OCTOBER 8, 1946. Class 6.

426,462. ELECTRIC CIGAR AND CIGARETTE LIGHTER. SAMUEL ABELSON, doing business under the name Dalason Products Mfg. Co., Chicago, Ill.
Filed April 4, 1946. Serial No. 499,594. PUBLISHED OCTOBER 1, 1946. Class 21.

426,463. ELECTRICAL PICK-UP ARMS AND PARTS AND ELECTRICAL SOUND PICK-UP UNITS FOR TALKING MACHINES. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed April 4, 1946. Serial No. 499,681. PUBLISHED OCTOBER 1, 1946. Class 21.

426,464. ELECTRIC IRONS. CENTURY PRECISION WORKS, INC., New York, N. Y.
Filed April 6, 1946. Serial No. 499,764. PUBLISHED OCTOBER 1, 1946. Class 21.

426,465. DYES AND DYESTUFFS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed April 6, 1946. Serial No. 499,772. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,466. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed April 6, 1946. Serial No. 499,788. PUBLISHED OCTOBER 8, 1946. Class 6.

426,467. TRAVELLING PIPE COATING AND WRAPPING MACHINES. PIPE LINE SERVICE CORPORATION, Franklin Park, Ill.
Filed April 6, 1946. Serial No. 499,799. PUBLISHED OCTOBER 1, 1946. Class 23.

426,468. SECTIONS OF MAGAZINES ISSUED WEEKLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed April 8, 1946. Serial No. 499,844. PUBLISHED OCTOBER 1, 1946. Class 38.

426,469. SECTION OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed April 8, 1946. Serial No. 499,872. PUBLISHED OCTOBER 1, 1946. Class 38.

426,470. RAZOR BLADES. STANDARD BLADE CO., INC., New York, N. Y.
Filed April 10, 1946. Serial No. 499,971. PUBLISHED OCTOBER 8, 1946. Class 23.

426,471. ELECTRIC HOISTS, ELECTRIC WINCHES, ELECTRIC WINDLASSES, ELECTRIC CAPSTANS, ELECTRIC GYPSIES, ETC. AMERICAN ENGINEERING COMPANY, Philadelphia, Pa.
Filed April 11, 1946. Serial No. 499,984. PUBLISHED OCTOBER 8, 1946. Class 21.

426,472. MEN'S AND WOMEN'S SLACKS OR TROUSERS, SHORTS, SWIMMING TRUNKS, AND SKIRTS. ERNEST A. DE ROSE, New York, N. Y.
Filed April 19, 1946. Serial No. 500,527. PUBLISHED OCTOBER 1, 1946. Class 39.

426,473. HOSIERY, WOMEN'S AND CHILDREN'S DRESSES, WOMEN'S VESTS, STEP-INS, BLOOMERS, CHEMISES, PANTIES, SLIPS, NIGHTGOWNS, AND PAJAMAS. SIGNET HOSIERY COMPANY, Cambridge, Mass.
Filed April 25, 1946. Serial No. 500,906. PUBLISHED OCTOBER 1, 1946. Class 39.

426,474. LAMINATED PLYWOOD LUMBER FOR BUILDING PURPOSES. TIDEWATER PLYWOOD COMPANY, Brunswick, Ga.
Filed April 26, 1946. Serial No. 501,028. PUBLISHED OCTOBER 1, 1946. Class 12.

426,475. PARTITION TILES. THE CELOTEX CORPORATION, Chicago, Ill.
Filed April 27, 1946. Serial No. 501,046. PUBLISHED OCTOBER 1, 1946. Class 12.

426,476. PROPRIETARY MEDICINAL PREPARATION USED FOR TREATMENT OF PAINS DUE TO ARTHRITIS AND RHEUMATISM, AND MULTIPLE VITAMIN PREPARATION. JOSEPH TRINER CORPORATION, Chicago, Ill.
Filed May 2, 1946. Serial No. 501,349. PUBLISHED SEPTEMBER 17, 1946. Class 6.

426,477. STEEL HAND TOOLS—NAMELY, AWLS, COUNTERSINKS, CLAMPS, CHISELS, DRILLS, HACKSAWS, HAMMERS, REAMERS, RATCHETS, SCREW DRIVERS, SOCKETS, AND WRENCHES. VACO PRODUCTS COMPANY, Chicago, Ill.
Filed May 25, 1946. Serial No. 502,776. PUBLISHED SEPTEMBER 24, 1946. Class 23.

426,478. MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF EPILEPSY. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed June 14, 1946. Serial No. 503,944. PUBLISHED SEPTEMBER 10, 1946. Class 6.

426,479. ELECTRIC, GAS AND MECHANICAL REFRIGERATORS. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed June 27, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 504,695. PUBLISHED OCTOBER 8, 1946. Class 31.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

426,480. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEACOCK SPORTING GOODS COMPANY, INC., St. Louis, Mo. Filed Nov. 4, 1943. Serial No. 464,700.

Leacock's

FOR ATHLETIC GOODS—NAMELY, BASEBALLS, BASKETBALLS, CORK BALLS, FOOTBALLS, GOLF BALLS, HOCKEY BALLS, PLAYGROUND BALLS, SOFT BALLS, TABLE TENNIS BALLS, TENNIS BALLS, VOLLEY BALLS, WATER POLO BALLS, BASEBALL BATS, GLOVES AND MITTS, CATCHERS' MASKS, BODY PROTECTORS AND LEG GUARDS, GOLF CLUBS AND BAGS, BADMINTON, TABLE TENNIS AND TENNIS BATS, NETS AND RACKETS, BADMINTON SHUTTLECOCKS, FENCING FOILS, SWORDS, SABRES, BLADES, MASKS, GLOVES, JACKETS AND BAGS, ARCHERY BOWS, ARROWS AND TARGETS, HOCKEY STICKS AND SHIN GUARDS, PITCHING HORSESHOES AND STAKES, EQUIPMENT FOR TRACK AND FIELD ATHLETIC CONTESTS—NAMELY, VAULTING POLES, JUMPING STANDARDS, HURDLES, PUTTING SHOT, DISCUSES, STARTING BLOCKS, STARTERS' WHISTLES, TAKE-OFF BOARDS, TOE BOARDS, VAULTING BOARDS; HUNTING AND FISHING SUPPLIES—NAMELY, GAME BAGS, DECOYS, CALLS, FISHING RODS, LINES, REELS, TACKLE BOXES, CREELS AND ARTIFICIAL FLIES AND LURES.
Claims use since Jan. 1, 1920.

426,481. (CLASS 31. FILTERS AND REFRIGERATORS.) OWENS-CORNING FIBERGLAS CORPORATION, Toledo, Ohio. Filed July 24, 1944. Serial No. 472,580.

FIBERGLAS

FOR FILTER CLOTHS CONTAINING GLASS FIBERS.
Claims use since Jan. 17, 1936.

426,482. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IMPRESSION PRODUCTS, Chicago, Ill., assignor to Impression Products, Inc., Chicago, Ill., a corporation of Illinois. Filed Aug. 19, 1944. Serial No. 473,449.

GRA-NO MORE

FOR HAIR COLOR RESTORATIVE.
Claims use since May 12, 1940.

426,483. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) JACK ROSEN, Sunnyside, Long Island, N. Y. Filed Oct. 4, 1944. Serial No. 474,927.

ROVER

FOR RAW FIBERS OF COTTON, WOOL AND RAYON AND COMBINATIONS THEREOF.
Claims use since Aug. 15, 1944.

426,484. (CLASS 26, MEASURING AND SCIENTIFIC APPLIANCES.) FRIDLEY F. MCCULLOCH, doing business as Motion Picture Equipment Company, Fort Wayne, Ind. Filed Dec. 22, 1944. Serial No. 477,845.

Reeal Films

FOR EXPOSED AND DEVELOPED MOTION PICTURE FILMS READY FOR PROJECTION.
Claims use since Oct. 5, 1940.

426,485. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BERT HALL, doing business as Sturdy Toy Company, Sandusky, Ohio. Filed Jan. 4, 1945. Serial No. 478,215.



FOR TOY AIRPLANES, AIRPLANE CATAPULTS, AND AIRPLANE AND CATAPULT COMBINATIONS.
Claims use since Oct. 24, 1944.

426,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RAY EWING COMPANY, South Pasadena, Calif. Filed Jan. 17, 1945. Serial No. 478,707.

VITA-MINO-MIX

FOR VITAMIN AND AMINO ACID SUPPLEMENT FOR POULTRY AND ANIMAL FEEDS.
Claims use since Jan. 2, 1945.

426,487. (CLASS 12. CONSTRUCTION MATERIALS.) CHARLES E. PUTMAN, Seattle, Wash. Filed Feb. 10, 1945. Serial No. 479,693.

FITITE

FOR WOODEN SHINGLES AND SHAKES—NAMELY, LONG SHINGLES.
Claims use since Oct. 1, 1927.

426,488. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROY K. HESS, doing business as The Dirtmaster Co., Chicago, Ill. Filed Mar. 16, 1945. Serial No. 480,989.

Dirt Master

FOR GENERAL HOUSEHOLD DETERGENT CLEANING COMPOUND.
Claims use since Mar. 10, 1945.

426,489. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. MIMS, doing business as Astoria Products Company, Birmingham, Ala. Filed May 12, 1945. Serial No. 483,276.

Astoria

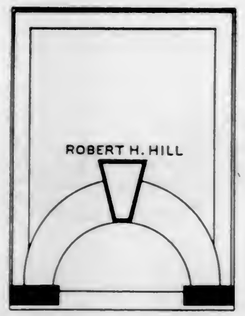
FOR LINIMENTS FOR EXTERNAL APPLICATION FOR SORE MUSCLES, SKIN LOTIONS, HEALING OIL FOR EXTERNAL APPLICATION TO SORES AND ABRASIONS, INSECTICIDES, PERFUME, HAIR TONICS, STOMACHICS, LAXATIVES, FACE AND BODY POWDERS, HAIR DYES, ANTISEPTICS, DENTIFRICES, SCALP REMEDIES, AND SHAMPOOS.
Claims use since January 1932.

426,490. (CLASS 17. TOBACCO PRODUCTS.) ALEX CABAN & CO., New York, N. Y. Filed May 19, 1945. Serial No. 483,565.

LA POPULAR

FOR CIGARS.
Claims use since Jan. 3, 1944.

426,491. (CLASS 6. CHEMICALS, MEDICINES, AND PHAMACEUTICAL PREPARATIONS.) ROBERT H. HILL, Gary, Ind. Filed Aug. 2, 1945. Serial No. 486,619.



FOR PREPARATION FOR COLDS, COUGHS, ASTHMA, KIDNEY AND BLADDER CONDITIONS.
Claims use since Nov. 8, 1944.

426,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHENANDOAH CANDY CO., INC., Winchester, Va. Filed Aug. 9, 1945. Serial No. 486,972.

The drawing is lined for red and green colors.
FOR CANDY.
Claims use since Feb. 3, 1945.

426,493. (CLASS 38. PRINTS AND PUBLICATIONS.) AUGUSTUS S. LOYLESS, doing business as Loyless Publishing Company, Atlanta, Ga. Filed Aug. 13, 1945. Serial No. 487,089.

American
CARBONATOR & BOTTLER

FOR A MONTHLY TRADE JOURNAL PUBLISHED FOR DISTRIBUTION AND SALE TO THE BOTTLERS OF CARBONATED BEVERAGES.
Claims use since June 14, 1945.

426,494. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCILL DOVE SCHICKE, Flint, Mich. Filed Aug. 17, 1945. Serial No. 487,213.

LADY DOVE

FOR COSMETICS.
Claims use since Dec. 1, 1930.

426,495. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DEE-LANE DOLLS, Kansas City, Mo. Filed Aug. 20, 1945. Serial No. 487,312.

Dee-Lane

WRINGER TOY

FOR STUFFED TOYS IN THE NATURE OF DOLLS AND FIGURES FORMED OF WASHABLE FABRIC MATERIALS.
Claims use since Oct. 26, 1938.

426,496. (CLASS 43. THREAD AND YARN.) WOOL NOVELTY CO., INC., New York, N. Y. Filed Aug. 23, 1945. Serial No. 487,490.

PLASTIKYON

FOR PLASTIC YARN.
Claims use since Aug. 20, 1945.

426,497. (CLASS 38. PRINTS AND PUBLICATIONS.) GRACE OLIN JORDAN, doing business as Jordan Associates, Virginia Beach, Va. Filed Sept. 12, 1945. Serial No. 488,328.

Virginia Beach
Today

FOR A PUBLICATION WHICH IS A CALENDAR OF ENTERTAINMENT FEATURES AT VIRGINIA BEACH, WITH INFORMATION COVERING VARIOUS SPORTS, STORIES OF HISTORICAL AND MISCELLANEOUS INTEREST, SHOPPING NEWS, ETC. AND WHICH IS PUBLISHED BI-WEEKLY DURING THE SIXTEEN WEEKS FROM MAY THROUGH THE FIRST WEEK IN SEPTEMBER OF EACH YEAR.
Claims use since June 8, 1945.

426,498. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMARYLLIS COMPANY, Fort Wayne, Ind. Filed Oct. 18, 1945. Serial No. 490,095.



Amaryllis

FOR PERMANENT WAVE OIL; HAIR CREAMS; PERFUMES; HAIR LACQUERS; DANDRUFF SHAMPOO; HAIR DRESSING; NAIL POLISH REMOVER; HAIR RINSES; AFTER SHAVING CREAM; OIL SHAMPOO; PERMANENT WAVE SOLUTION; CREAM OIL SOLUTION (FOR PERMANENT WAVES); SCALP AND TONIC SHAMPOO; AND HARD WATER SHAMPOO.
Claims use since Aug. 1, 1945.

426,499. (CLASS 38. PRINTS AND PUBLICATIONS.) M. CHARLES GAINES, New York, N. Y. Filed Oct. 25, 1945. Serial No. 490,483.

CLASSROOM COMICS

FOR A COMIC CARTOON PERIODICAL.
Claims use since Oct. 23, 1945.

426,500. (CLASS 38. PRINTS AND PUBLICATIONS.) M. CHARLES GAINES, New York, N. Y. Filed Oct. 25, 1945. Serial No. 490,485.

SCHOOL COMICS

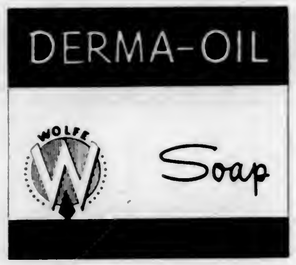
FOR A COMIC CARTOON PERIODICAL.
Claims use since Oct. 23, 1945.

426,501. (CLASS 2. RECEPTACLES.) FRANK P. BUCKLEIN, doing business as Bucklein Creations, Los Angeles, Calif. Filed Nov. 13, 1945. Serial No. 491,458.

GEM CUT

FOR COMPACTS MADE OF PLASTIC MATERIAL SOLD IN THE TRADE EMPTY.
Claims use since Nov. 1, 1945.

426,502. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. LEE WOLFE COMPANY, Chicago, Ill. Filed Dec. 5, 1945. Serial No. 492,755.



The lining on the drawing represents shading.
FOR SOAP.
Claims use since Feb. 1, 1941.

426,503. (CLASS 37. PAPER AND STATIONERY.) CLARA A. AINSWORTH, Savannah, Ga. Filed Dec. 17, 1945. Serial No. 493,421.

Fotofolio

Applicant is the owner of Reg. No. 334,384 and Reg. No. 375,645.
FOR PHOTOGRAPH ALBUMS.
Claims use since Mar. 1, 1933.

426,504. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) E. J. WILKINS COMPANY, Gloversville, N. Y. Filed Dec. 17, 1945. Serial No. 493,471.

Coinpak

FOR LEATHER COIN HOLDERS.
Claims use since Sept. 1, 1945.

426,505. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RUTH MILLS BRENNAN, Larchmont, N. Y. Filed Dec. 31, 1945. Serial No. 494,163.

Betty Sox

FOR STUFFED DOLLS.
Claims use since October 1945.

426,506. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE M. ATKINSON, doing business as Economy Lubricating Company, Charlestown, Mass. Filed Feb. 6, 1946. Serial No. 496,064.

SLUDGE CUTTER

FOR PREPARATION FOR DISSOLVING SLUDGE IN FUEL OIL.
Claims use since Apr. 16, 1943.

426,507. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SALEM PRODUCTS CORP., New York, N. Y. Filed Feb. 7, 1946. Serial No. 496,165.

"Shoulder Moulder"

FOR SHOULDER PADS.
Claims use since Oct. 2, 1945.

426,508. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. R. CADY, INC., Grand Rapids, Mich. Filed Feb. 25, 1946. Serial No. 497,166.



FOR WATER SOFTENER.
Claims use since Fall of 1939.

426,509. (CLASS 12. CONSTRUCTION MATERIALS.) SPRAYED INSULATION, INC., Montclair, N. J. Filed Mar. 2, 1946. Serial No. 497,577.

SPRAYKOTE

FOR ASBESTOS IN A FINELY-DIVIDED FORM FOR USE IN FORMING ACOUSTICAL OR HEAT INSULATION MATERIAL.
Claims use since March 1944.

426,510. (CLASS 38. PRINTS AND PUBLICATIONS.) LAWRENCE A. EPTER & ASSOCIATES, New York, N. Y. Filed Mar. 9, 1946. Serial No. 497,925.

Planned Financing

FOR A PERIODICAL BULLETIN ISSUED SERIALLY SEVERAL TIMES PER YEAR AND PUBLISHED IN THE INTEREST OF THE REAL ESTATE BUSINESS AND REAL ESTATE DEALING AND FINANCING.
Claims use since Mar. 7, 1945.

426,511. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DURAY MFG. CO., INC., Boston, Mass. Filed Mar. 20, 1946. Serial No. 498,610.

Duray

FOR BRIEF CASES, KEY CASES, WALLETS AND BILLFOLDS.
Claims use since Oct. 23, 1945.

426,512. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. H. SPIEGL, doing business as Spiegl Foods Company, Salinas, Calif., assignor to Spiegl Foods Company, Inc., Salinas, Calif., a corporation of California. Filed Apr. 15, 1946. Serial No. 500,255.

SPIEGL FARMS

FOR FROZEN FOOD PRODUCTS--NAMELY, BRUSSELS SPROUTS, RHUBARB, CAULIFLOWER, MIXED CARROTS AND PEAS, SPINACH, BROCCOLI, AND ASPARAGUS.
Claims use since Oct. 25, 1945.

426,513. (CLASS 39. CLOTHING.) JOHN POOLE, LTD., New York, N. Y. Filed Apr. 22, 1946. Serial No. 500,693.

JOHN POOLE

FOR MEN'S AND WOMEN'S SUITS, VESTS, COATS, SLACKS, RIDING HABITS, SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS OF THESE MATERIALS, RAINCOATS, STOCKINGS, HATS, SHIRTS, PAJAMAS, GLOVES MADE OF LEATHER OR FABRIC, SWEATERS, NECKTIES, UNDERWEAR, HANDKERCHIEFS, APPAREL BELTS, ROBES, COLLARS, MUFFLERS, AND BATHING SUITS.
Claims use since September 1941.

426,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Filed May 4, 1946. Serial No. 501,429.

AMERICAN MAID

FOR CHEWING GUM.
Claims use since November 1924.

426,515. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONTINENTAL COFFEE COMPANY, Chicago, Ill. Filed May 16, 1946. Serial No. 502,192.

MIL-KUSTARD

FOR PUDDING MIX.
Claims use since Feb. 10, 1943.

426,516. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN STANDARDS ASSOCIATION, New York, N. Y. Filed May 17, 1946. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 502,251.

American Standard

FOR PUBLICATIONS ISSUED FROM TIME TO TIME RELATING TO ENGINEERING AND INDUSTRIAL STANDARDS IN THE ELECTRICAL, MINING, MECHANICAL, BUILDING, SAFETY, CONSUMER GOODS AND TRAFFIC FIELDS.
Claims use since 1919.

426,517. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ESTHER S. MEADE, Aurora, Ill. Filed June 3, 1946. Serial No. 503,210.

ALL WEATHER
LOOSE LEAF
Band Music Folio

FOR LOOSE LEAF SHEET MUSIC FOLIOS.
Claims use since October 1927.

426,518. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LESTER M. DAVIS, doing business as Davis Fishing Tackle Co., Tacoma, Wash. Filed Sept. 3, 1946. Serial No. 508,423.

TWIN FLASH

FOR TROLLING SPOONS.
Claims use since Dec. 1, 1938.

TRADE-MARK REGISTRATIONS RENEWED

29,240. **PORTRAIT AND SIGNATURE OF J. B. DUNLOP.** TIRES FOR THE WHEELS OF VELOCIPEDES AND OTHER VEHICLES AND PARTS OF SUCH TIRES. Registered Dec. 1, 1896. DUNLOP PNEUMATIC TYRE COMPANY, LIMITED, London, England. Re-renewed Dec. 1, 1946, to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York. Class 35.

29,342. **REPRESENTATION OF A PANEL AND A MALTESE CROSS WITH A STAG'S HEAD ON ITS FACE, ETC.** MEN'S, BOYS', AND WOMEN'S HATS AND CAPS. Registered Dec. 29, 1896. DUNLAP & COMPANY, New York, N. Y. Re-renewed Dec. 29, 1946, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 39.

54,838. **"ONOTO" AND DESIGN.** FOUNTAIN-PENS AND OTHER WRITING-PENS EXCEPT GOLD PENS. Registered July 31, 1906. THOMAS DE LA RUE AND COMPANY, LIMITED. Re-renewed July 31, 1946, to De La Rue Stationers Limited, London, England, an organized company of Great Britain. Class 37.

55,029. **TIFFANY & CO.** METAL WARE FOR TABLE USE COMPOSED IN WHOLE OR IN PART OF GOLD OR SILVER OR BOTH OF SUCH METALS. Registered Aug. 7, 1906. TIFFANY & COMPANY, New York, N. Y., a corporation of New York. Re-renewed Aug. 7, 1946. Class 28.

55,496. **CRESCENT.** BELT-FASTENERS FOR BELTS FOR DRIVING MACHINERY. Registered Aug. 14, 1906. CLARA S. EATON. Re-renewed Aug. 14, 1946, to Crescent Belt Fastener Company, Inc., New York, N. Y., a corporation of New York. Class 13.

55,511. **COVER THE EARTH.** MIXED PAINTS, PAINTERS' COLORS, STAINS, AND OILS USED IN CONNECTION WITH THE SAME. Registered Aug. 14, 1906. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Re-renewed Aug. 14, 1946. Class 16.

55,842. **"ACME QUALITY" AND DESIGN.** PAINTS OF ALL KINDS, ENAMELS, STAINS, AND VARNISHES. Registered Aug. 21, 1906. ACME WHITE LEAD & COLOR WORKS, Detroit, Mich., a corporation of Michigan. Re-renewed Aug. 21, 1946. Class 16.

56,058. **NEPTUNE.** SHIP-LOGS, SHIP-LOG LINES FOR SOUNDING AND MEASURING, AND LINES FOR ALL KINDS OF NAUTICAL INSTRUMENTS. Registered Aug. 21, 1906. THOMAS WALKER & SON LIMITED, Birmingham, England, an organized company of Great Britain. Re-renewed Aug. 21, 1946. Class 26.

56,059. **"WALKER'S A. 1" ETC.** SHIP-LOGS. Registered Aug. 21, 1906. THOMAS WALKER & SON LIMITED, Birmingham, England, an organized company of Great Britain. Re-renewed Aug. 21, 1946. Class 26.

56,105. **TIFFANY & CO.** WATCHES AND CLOCKS. Registered Aug. 21, 1906. TIFFANY & COMPANY, New York, N. Y., a corporation of New York. Re-renewed Aug. 21, 1946. Class 27.

56,422. **"SWP COVER THE EARTH" ETC. AND DRAWING.** MIXED PAINTS AND PIGMENTS USED FOR PAINTS, STAINS, AND PAINT-OIL. Registered Sept. 25, 1906. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Re-renewed Sept. 25, 1946. Class 16.

56,463. **PEARL.** WHEAT-FLOUR. Registered Sept. 25, 1906. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Sept. 25, 1946, to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Class 46.

56,497. **DUCKINE.** PAPER FOR SIGNS AND SHOW-CARDS. Registered Oct. 2, 1906. JOHN IGELSTROEM SIGN & LABEL COMPANY, St. Louis, Mo. Re-renewed Oct. 2, 1946, to The John Igelstroem Company, Massillon, Ohio, a corporation of Ohio. Class 37.

56,971. **BAKIT.** WHEAT-FLOUR. Registered Oct. 30, 1906. SHEFFIELD MILL & ELEVATOR COMPANY. Re-renewed Oct. 30, 1946, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Class 46.

56,989. **LUTE.** LIQUID AND PASTE PAINTS. Registered Oct. 30, 1906. THE LOWE BROTHERS COMPANY. Re-renewed Oct. 30, 1946, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio. Class 16.

57,064. **DENTALUXE.** TOOTH POWDER. Registered Oct. 30, 1906. R. HUDNUT'S PHARMACY. Re-renewed Oct. 30, 1946, to Richard Hudnut, New York, N. Y., a corporation of New York. Class 6.

57,673. **"GOLDEN SHEAF" AND DRAWING.** WHEAT-FLOUR. Registered Nov. 27, 1906. DULUTH-SUPERIOR MILLING CO., Duluth, Minn. Re-renewed Nov. 27, 1946, to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Class 46.

57,893. **METEOR RED.** PAINTS GROUND IN WATER, OIL, VARNISHES, AND JAPAN. Registered Dec. 4, 1906. THE LOWE BROTHERS COMPANY. Re-renewed Dec. 4, 1946, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio. Class 16.

58,109. **"DIXIE CORN CURE" AND DRAWING.** CURES FOR CORNS, BUNIONS, AND WARTS. Registered Dec. 4, 1906. WILLIAM J. OLDENBURG, New Orleans, La. Re-renewed Dec. 4, 1946. Class 6.

58,240. **"BERLIN GREEN" AND DRAWING.** PAINT OR COLORING MATERIAL KNOWN TO THE TRADE BY THE TERM "GREEN." Registered Dec. 11, 1906. JOHN LUCAS & CO. Re-renewed Dec. 11, 1946, to John Lucas & Co., Philadelphia, Pa., a corporation of Maryland. Class 16.

58,241. **MIRAC.** PAINT AND VARNISH REMOVERS. Registered Dec. 11, 1906. JOHN LUCAS & CO. Re-renewed Dec. 11, 1946, to John Lucas & Co. Inc., Philadelphia, Pa., a corporation of Maryland. Class 16.

58,242. **"PERFECTO".** ENAMEL PAINTS. Registered Dec. 11, 1906. JOHN LUCAS & CO. Re-renewed Dec. 11, 1946, to John Lucas & Company, Inc., Philadelphia, Pa., a corporation of Maryland. Class 16.

58,270. **CROWLEY'S.** SPOOL-COTTON, SEWING-COTTON, AND THREAD. Registered Dec. 11, 1906. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed Dec. 11, 1946, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

58,271. **MERRICK'S.** SPOOL-COTTON, SEWING-COTTON, AND THREAD. Registered Dec. 11, 1906. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed Dec. 11, 1946, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

58,324. **"IDEAL" AND DRAWING.** SHOE AND GLOVE LEATHER. Registered Dec. 11, 1906. SURPASS LEATHER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Dec. 11, 1946. Class 1.

58,380. **REGAL.** PLAYING-CARDS. Registered Dec. 11, 1906. THE UNITED STATES PLAYING CARD CO. Re-renewed Dec. 11, 1946, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

58,572. **UNITED STATES U. S.** PLAYING-CARDS. Registered Dec. 18, 1906. THE UNITED STATES PLAYING CARD CO. Re-renewed Dec. 18, 1946, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

58,573. **HOLYOKE.** SPOOL-COTTON, SEWING-COTTON, AND THREAD. Registered Dec. 18, 1906. THE AMERICAN THREAD COMPANY, Jersey City, N. J. Re-renewed Dec. 18, 1946, to The American Thread Company, New York, N. Y., a corporation of New Jersey. Class 43.

58,601. **JUMBO INDEXES.** PLAYING-CARDS. Registered Dec. 18, 1906. THE UNITED STATES PLAYING CARD CO. Re-renewed Dec. 18, 1946, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

58,602. **"BULL DOG" AND DRAWING.** GAME COUNTERS AND CHIPS. Registered Dec. 18, 1906. THE UNITED STATES PLAYING CARD CO. Re-renewed Dec. 18, 1946, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Class 22.

58,702. **CASHMERE.** SOAP. Registered Dec. 25, 1906. COLGATE & CO., New York, N. Y. Re-renewed Dec. 25, 1946, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Class 4.

58,757. **BENZOSALIN.** ANTINEURALGIC AND ANTI-RHEUMATIC. Registered Dec. 25, 1906. F. HOFFMANN-LA ROCHE & CO., Basle, Switzerland. Re-renewed Dec. 25, 1946, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. Class 6.

58,765. **REPRESENTATION OF A TWO-HORSE CHARIOT AND DRIVER, ETC.** MIXED PAINTS. Registered Dec. 25, 1906. MURPHY VARNISH COMPANY, Newark, N. J. Re-renewed Dec. 25, 1946, to Interchemical Corporation, New York, N. Y., a corporation of Ohio. Class 16.

58,796. **"I.C.S." ETC.** EDUCATIONAL BOOKS, PAMPHLETS, PERIODICALS, AND CIRCULARS. Registered Dec. 25, 1906. INTERNATIONAL TEXTBOOK COMPANY, Scranton, Pa., a corporation of Pennsylvania. Re-renewed Dec. 25, 1946. Class 38.

58,830. **SECACORNIN.** LIQUID PURIFIED EXTRACT OF ERGOT. Registered Dec. 25, 1906. F. HOFFMANN-LA ROCHE & CO., Basle, Switzerland. Re-renewed Dec. 25, 1946, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. Class 6.

58,848. **"SURPASS KID" AND DRAWING.** SHOE-LEATHER. Registered Dec. 25, 1906. SURPASS LEATHER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Dec. 25, 1946. Class 1.

58,916. **"C" WITHIN A DIAMOND.** CURED, SMOKED, AND CANNED MEATS. Registered Dec. 25, 1906. THE CUDAHY PACKING COMPANY, Chicago, Ill., and South Omaha, Nebr. Re-renewed Dec. 25, 1946, to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. Class 46.

58,918. **"DUNLAP & CO." AND DESIGN.** PARASOLS AND UMBRELLAS. Registered Dec. 25, 1906. DUNLAP & Co., New York, N. Y. Re-renewed Dec. 25, 1946, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 41.

58,943. **"THE DE LAVAL SEPARATOR CO." ETC. AND DRAWING.** CENTRIFUGAL SEPARATORS. Registered Dec. 25, 1906. THE DE LAVAL SEPARATOR COMPANY, New York and Poughkeepsie, N. Y. Re-renewed Dec. 25, 1946, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey. Class 23.

58,987. **GENUINE GLYCERINE TABLETS.** TABLETS FOR COLDS, COUGHS, AND BRONCHIAL AFFECTIONS. Registered Dec. 25, 1906. JOHN H. PINE, Ardmore and Philadelphia, Pa. Re-renewed Dec. 25, 1946, to Pine Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania. Class 6.

59,000. **"HALL'S STAR LYE" AND DESIGN.** CAUSTIC POTASH OR LYE. Registered Dec. 25, 1906. ELIZA N. HALL, New York, N. Y. Re-renewed Dec. 25, 1946, to B. T. Babbitt, Inc., Albany, N. Y., a corporation of New York. Class 6.

59,130. **WEBSTER'S PRIMARY.** DICTIONARIES. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,176. **ANGORA.** FINE WRITING-PAPER. Registered Jan. 1, 1907. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 37.

59,187. **WEBSTER'S COUNTINGHOUSE AND FAMILY.** DICTIONARIES AND REFERENCE-MANUALS OR COMBINED DICTIONARY AND REFERENCE-MANUAL. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,188. **WEBSTER'S ACADEMIC.** DICTIONARIES AND REFERENCE-MANUALS OR COMBINED DICTIONARY AND REFERENCE-MANUAL. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,189. **WEBSTER'S COMMON SCHOOL.** DICTIONARIES. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,190. **LITTLE GEM.** DICTIONARIES AND REFERENCE-MANUALS. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,191. **WEBSTER'S CONDENSED.** DICTIONARIES AND REFERENCE-MANUALS OR COMBINED DICTIONARY AND REFERENCE-MANUAL. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,192. **WEBSTER'S PRACTICAL.** DICTIONARIES AND REFERENCE-MANUALS OR COMBINED DICTIONARY AND REFERENCE-MANUALS. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,193. **WEBSTER'S HIGH SCHOOL.** DICTIONARIES. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,224. **WEBSTER'S INTERNATIONAL.** DICTIONARIES. Registered Jan. 1, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 1, 1947. Class 38.

59,234. **"THE WALDORF" AND DESIGN.** TOILET-PAPER. Registered Jan. 1, 1907. SCOTT PAPER CO., Philadelphia, Pa. Re-renewed Jan. 1, 1947, to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania. Class 37.

59,322. **IRON CLAD.** HOSIERY. Registered Jan. 8, 1907. COOPER, WELLS & COMPANY, St. Joseph, Mich., a corporation of Michigan. Re-renewed Jan. 8, 1947. Class 39.

59,473. **WEBSTER'S NATIONAL PICTORIAL.** DICTIONARIES. Registered Jan. 8, 1907. G. & C. MERRIAM COMPANY, Springfield, Mass., a corporation of Massachusetts. Re-renewed Jan. 8, 1947. Class 38.

213,107. **DECELECO.** BARRIERS FOR ELECTRIC CONDUCTORS AND APPARATUS, SLABS FOR PARTITION WALLS AND BUS AND SWITCH CELL STRUCTURES, DOORS, AND COVERS. Registered May 18, 1926. DECELECO, INC., Detroit, Mich. Renewed May 18, 1946, to Unistrut Corporation, Wayne, Mich., a corporation of Michigan. Class 21.

214,911. **WHO'S ZOO.** TITLE FOR A DAILY COMIC STRIP. Registered July 6, 1926. PRESS PUBLISHING COMPANY. Renewed July 6, 1946, to United Feature Syndicate, Inc., New York, N. Y., a corporation of New York. Class 38.

215,253. **"GIRL SCOUTS" AND DESIGN.** IODINE PEN OR CARRIER, ABSORBENT AND MEDICATED COTTON, BANDAGES, ADHESIVE MEDICINAL TAPE. Registered July 13, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 13, 1946. Class 44.

215,254. **"GIRL SCOUTS" AND DESIGN.** BELT SUSPENSION HOOKS FOR CARRYING ARTICLES, AND PLATES, PANS, CUPS, AND KETTLES. Registered July 13, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 13, 1946. Class 13.

215,255. **"GIRL SCOUTS" AND DESIGN.** AXES, POCKET KNIVES, CAMP KNIVES, HUNTING KNIVES, TABLE KNIVES AND FORKS, SPOONS OF TINWEAR, OF ENAMEL WARE, AND OF ALUMINUM WARE. Registered July 13, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 13, 1946. Class 23.

215,436. **THE AMERICAN MERCURY.** PERIODICAL PUBLICATION. Registered July 20, 1926. THE AMERICAN MERCURY, INC., New York, N. Y., a corporation of New York. Renewed July 20, 1946. Class 38.

215,824. **"KELSWORTH" AND DESIGN.** REFRIGERATORS. Registered July 27, 1926. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa., a corporation of New York. Renewed July 27, 1946. Class 31.

215,826. **"BOYD'S" ETC.** POTATO CHIPS. Registered July 27, 1926. JOHN BOYD CO., Lynn, Mass., a corporation of Massachusetts. Renewed July 27, 1946. Class 46.

215,989. **DETRO LASTIC.** PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS. Registered Aug. 3, 1926. DETROIT WHITE LEAD WORKS. Renewed Aug. 3, 1946, to Rogers Paint Products, Incorporated, Detroit, Mich., a corporation of Michigan. Class 16.

216,074. **"ACME QUALITY" ETC. AND DESIGN.** CERTAIN NAMED PAINTERS' MATERIALS. Registered Aug. 3, 1926. ACME WHITE LEAD AND COLOR WORKS, Hamtramck, Mich. Renewed Aug. 3, 1946, to Acme White Lead & Color Works, Detroit, Mich., a corporation of Michigan. Class 16.

216,078. **PAR-O-KEET.** LACQUER FOR FURNITURE, WOODWORK, TOYS, AND SIMILAR SURFACES. Registered Aug. 3, 1926. THE LOWE BROTHERS COMPANY. Renewed Aug. 3, 1946, to The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio. Class 16.

216,316. **"F" IN A SHIELD.** VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER. Registered Aug. 10, 1926. THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Renewed Aug. 10, 1946, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Class 35.

216,819. **VITA-TONIC.** STEAM PADS USED IN CONNECTION WITH THE SO-CALLED PERMANENT WAVING OF HUMAN HAIR. Registered Aug. 24, 1926. E. FREDERICS INC., New York, N. Y. Renewed Aug. 24, 1946, to E. Frederics, Inc., Long Island City, N. Y., a corporation of New York. Class 44.

216,829. **MARCELLE.** BRILLIANTINE, COLD CREAM, FACE POWDER, AND HAIR GLOSS. Registered Aug. 24, 1926. C. W. BEGGS, SONS & CO. Renewed Aug. 24, 1946, to Marcelle Cosmetics, Inc., Chicago, Ill., a corporation of Illinois. Class 6.

217,659. **TELECORD.** CERTAIN NAMED ELECTRICAL APPARATUS FOR RECEIVING, RECORDING AND AMPLIFYING TELEPHONIC SIGNALS. Registered Sept. 7, 1926. DICTAPHONE CORPORATION, Bridgeport, Conn., a corporation of New York. Renewed Sept. 7, 1946. Class 21.

217,880. **DICTADYNE.** RADIO RECEIVING SETS AND PARTS THEREOF. Registered Sept. 14, 1926. DICTAPHONE CORPORATION, Bridgeport, Conn., a corporation of New York. Renewed Sept. 14, 1946. Class 21.

218,008. **CLAROPHONE.** RADIO RECEIVING SETS AND PARTS THEREOF. Registered Sept. 14, 1926. DICTAPHONE CORPORATION, Bridgeport, Conn., a corporation of New York. Renewed Sept. 14, 1946. Class 21.

218,284. **ENDOTHYRIN.** MEDICINAL SOLUTION FOR USE IN THE TREATMENT OF SIMPLE GOITER AND HYPOTHYROIDISM. Registered Sept. 21, 1926. THE HARROWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif. Renewed Sept. 21, 1946, to The Harrower Laboratory, Inc., Glendale, Calif., a corporation of Delaware. Class 6.

218,371. **DICTAPHONE.** RADIO RECEIVING SETS AND PARTS THEREOF. Registered Sept. 28, 1926. DICTAPHONE CORPORATION, Bridgeport, Conn., a corporation of New York. Renewed Sept. 28, 1946. Class 21.

218,678. **PENN MAID.** GASOLINE, KEROSENE, LUBRICATING OILS, AND GREASES. Registered Sept. 28, 1926. PENN MAID OIL COMPANY, Kane, Pa. Renewed Sept. 28, 1946, to The Sloan and Zook Company, Bradford, Pa., a corporation of Pennsylvania. Class 15.

218,892. **WHIRLDRY.** LAUNDRY WASHING AND DRYING MACHINES AND PARTS THEREOF. Registered Oct. 5, 1926. GEORGE W. DUNHAM CORPORATION, Utica, N. Y. Renewed Oct. 5, 1946, to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware. Class 24.

219,375. **CONTENDER.** WHEAT FLOUR. Registered Oct. 19, 1926. COMMANDER MILL COMPANY. Renewed Oct. 19, 1946, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Class 46.

219,537. **REPRESENTATION OF A BAKER AND KNIGHT IN ARMOR.** WHEAT FLOUR. Registered Oct. 19, 1926. COMMANDER MILL COMPANY. Renewed Oct. 19, 1946, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Class 46.

219,583. **"VALEX" AND DESIGN.** TANNING SUBSTANCES OF VEGETABLE ORIGIN. Registered Oct. 19, 1926. JAMES WHITTALL, doing business as J. & H. Whittall & Company. Renewed Oct. 19, 1946, to J. & H. Whittall & Company Limited, London, England, an organized company of Great Britain. Class 6.

219,786. **"INCINOR" ETC. AND DESIGN.** INCINERATORS FOR HOME USE IN DISPOSING OF GARBAGE, PAPERS, RUBBISH, ETC. Registered Oct. 26, 1926. HOME INCINERATOR COMPANY. Renewed Oct. 26, 1946, to M. Abner Naulin, Milwaukee, Wis. Class 34.

219,859. **"LITTLE ELVES" AND DRAWING.** STUFFED OLIVES. Registered Oct. 26, 1926. FALCON PACKING CO., INC., New York, N. Y., a corporation of New York. Renewed Oct. 26, 1946. Class 46.

220,011. **MILES OF SMILES.** GASOLINE. Registered Oct. 26, 1926. SHERWOOD BROTHERS INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed Oct. 26, 1946. Class 15.

220,102. **HONEY QUEEN.** WHEAT FLOUR. Registered Nov. 2, 1926. THE LARABEE FLOUR MILLS CORPORATION, Kansas City, Mo. Renewed Nov. 2, 1946, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Class 46.

220,292. **HYDRO-JET.** CERTAIN ASH-HANDLING APPARATUS. Registered Nov. 9, 1926. THE ALLEN-SHERMAN-HOFF COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 9, 1946. Class 34.

220,437. **GIGANTIC.** WHEAT FLOUR. Registered Nov. 9, 1926. COMMANDER MILL COMPANY. Renewed Nov. 9, 1946, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Class 46.

220,520. **"CONTENDER" AND DRAWING.** WHEAT FLOUR. Registered Nov. 9, 1926. COMMANDER MILL COMPANY. Renewed Nov. 9, 1946, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Class 46.

220,548. **SERVEL.** ELECTRIC MOTORS. Registered Nov. 9, 1926. SERVEL CORPORATION, Evansville, Ind. Renewed Nov. 9, 1946, to Servel, Inc., New York, N. Y., a corporation of Delaware. Class 21.

220,635. **TOWN-RITE.** MEN'S AND BOYS' CLOTHING—NAMELY, COATS AND SUITS. Registered Nov. 16, 1926. ABRAHAM & STRAUS, INC., New York, N. Y. Renewed Nov. 16, 1946, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York. Class 39.

220,704. **KLASSIQUE.** CERTAIN ARTICLES OF CLOTHING. Registered Nov. 16, 1926. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa., a corporation of New York. Renewed Nov. 16, 1946. Class 39.

220,832. **"MINNEAPOLIS BEST" AND DESIGN.** WHEAT FLOUR. Registered Nov. 16, 1926. MINNEAPOLIS MILLING COMPANY. Renewed Nov. 16, 1946, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Class 46.

220,997. **REPRESENTATION OF A COFFEE MILL.** CHICORY. Registered Nov. 23, 1926. HEINR. FRANCK SONS, INC., Flushing, N. Y. Renewed Nov. 23, 1946, to Heinr. Franck Sons, Inc., Port Huron, Mich., a corporation of Delaware. Class 46.

221,084. **GOLD COIN.** MAYONNAISE. Registered Nov. 23, 1926. LUXURY MAYONNAISE CO., New York, N. Y. Renewed Nov. 23, 1946, to Kraft Foods Company, Chicago, Ill., a corporation of Delaware. Class 46.

221,241. **"OPEX" AND DESIGN.** NITROCELLULOSE LACQUERS AND ENAMELS, UNDERCOATINGS, AND THINNERS. Registered Nov. 23, 1926. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 23, 1946. Class 16.

221,415. **A-S-H.** CERTAIN APPARATUS FOR USE IN CONJUNCTION WITH BOILER FURNACES AND THE LIKE. Registered Nov. 30, 1926. THE ALLEN-SHERMAN-HOFF COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 30, 1946. Class 34.

221,595. **TOUR DU MONDE.** SOAPS. Registered Dec. 7, 1926. LEON COHN, doing business as Parfumerie Forest, Paris, France. Renewed Dec. 7, 1946, to Leon Cohn, New York, N. Y. Class 4.

221,637. **LA UNICA.** CIGARS. Registered Dec. 7, 1926. CUESTA, REY & COMPANY, Tampa, Fla., a corporation of Florida. Renewed Dec. 7, 1946. Class 17.

221,648. **WHITE ROSE.** QUINCE JELLY, CURRANT JELLY, GRAPE JELLY, GUAVA JELLY, CALF'S-FOOT JELLY, CRAB-APPLE JELLY, STRAWBERRY JELLY, RASPBERRY JELLY, MINT JELLY, GELATIN, JELLY POWDERS, MARMALADE, FRUIT JAMS, AND FRUIT PRESERVES. Registered Dec. 7, 1926. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed Dec. 7, 1946. Class 46.

221,676. **THAT'S MINE.** CANNED SALMON. Registered Dec. 7, 1926. G. P. HALFERTY & CO., Seattle, Wash., a corporation of Washington. Renewed Dec. 7, 1946. Class 46.

221,816. **"DOBBS" ETC. AND DESIGN.** HATS FOR MEN AND WOMEN. Registered Dec. 14, 1926. DOBBS & CO., New York, N. Y. Renewed Dec. 14, 1946, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. Class 39.

221,834. **BOBBY BURNS.** CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. Registered Dec. 14, 1926. CHRISTIAN ANDERSON, doing business as Minneapolis Bottling Co. Renewed Dec. 14, 1946, to Minneapolis Bottling Company, Minneapolis, Minn., a corporation of Minnesota. Class 45.

221,901. **BLONDEX.** FACE POWDER AND HAIR TONIC. Registered Dec. 14, 1926. GUARANTEED PRODUCTS, INC., doing business as Blondex Laboratories. Renewed Dec. 14, 1946, to Swedish Shampoo Laboratories, New York, N. Y., a partnership. Class 6.

221,925. **CONGRATULATIONS.** CANDY. Registered Dec. 14, 1926. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed Dec. 14, 1946. Class 46.

221,989. **AMIDOPHEN.** CERTAIN NAMED MEDICINE OR PHARMACEUTICAL PREPARATION DISPENSED IN CAPSULE FORM. Registered Dec. 21, 1926. ELI LILLY AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed Dec. 21, 1946. Class 6.

222,110. **THE MERCHANDISER.** PERIODICAL PUBLICATION OR HOUSE ORGAN. Registered Dec. 21, 1926. HICKEY-FREEMAN COMPANY, Rochester, N. Y., a corporation of New York. Renewed Dec. 21, 1946. Class 38.

222,130. **PLANET.** ANNEALED CUTTER BLANKS, ALLOY STEELS, TOOL AND DRILL STEELS, ANNEALED PUNCH AND DIE STEELS, SPRING AND MACHINERY STEELS, AND CERTAIN OTHER NAMED METALS. Registered Dec. 21, 1926. A. R. PURDY COMPANY, INC., New York, N. Y. Renewed Dec. 21, 1946, to A. R. Purdy Company, Inc., Lyndhurst, N. J., a corporation of New York. Class 14.

222,145. **SPRING MAID.** MATTRESSES. Registered Dec. 21, 1926. SIMON MATTRESS MANUFACTURING CO., San Francisco, Calif., a corporation of California. Renewed Dec. 21, 1946. Class 32.

222,157. **MONOGRAM OF "DG" AND DRAWING.** COCOA, CHOCOLATE, CANDY, AND MUSTARD. Registered Dec. 21, 1926. D. GHIRARDELLI CO., San Francisco, Calif., a corporation of California. Renewed Dec. 21, 1946. Class 46.

222,209. **SERRA.** ORANGES, LEMONS, GRAPEFRUIT. Registered Dec. 28, 1926. CHULA VISTA CITRUS ASSOCIATION. Renewed Dec. 28, 1946, to The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California. Class 46.

222,233. **"SEM-PRAY" ETC. AND DRAWING.** CERTAIN TOILET PREPARATIONS. Registered Dec. 28, 1926. SEM-PRAY JO-VE-NAY COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed Dec. 28, 1946. Class 6.

222,304. **VERA.** SYNTHETIC PRIME MATERIALS, LIQUID COLORS, AND ESSENTIAL OILS FOR PERFUMERS. Registered Dec. 28, 1926. GEORGE LUEDERS & CO., New York, N. Y., a corporation of New York. Renewed Dec. 28, 1946. Class 6.

222,312. **WHITE ROSE.** CELERY SALT, MUSTARD, PEPPER, PAPRIKA, CINNAMON, CLOVES, NUTMEGS, ALLSPICE, MACE, GINGER, TUMERIC, AND CURRY. Registered Dec. 28, 1926. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Renewed Dec. 28, 1946. Class 46.

222,348. **BLACK CRUSADER.** ORANGES, LEMONS, GRAPEFRUIT. Registered Dec. 28, 1926. AZUSA CITRUS ASSOCIATION, Azusa, Calif., a corporation of California. Renewed Dec. 28, 1946. Class 46.

222,440. **DANA CAMPBELL'S CREEK COAL.** COAL. Registered Jan. 4, 1927. THE CAMPBELL'S CREEK COAL CO., Cincinnati, Ohio, and Dana, W. Va. Renewed Jan. 4, 1947, to The Campbell's Creek Coal Co., Cincinnati, Ohio, a corporation of Ohio. Class 1.

222,470. **PICTURE OF A CHILD ON A DONKEY.** GLASS LAMP CHIMNEYS AND LAMP GLOBES. Registered Jan. 4, 1927. THE CO-OPERATIVE ENTERPRISE GLASS COMPANY, Corydon, Ind., a corporation of Indiana. Renewed Jan. 4, 1947. Class 34.

222,551. **"PYRAMID" AND DESIGN.** FRESH APPLES AND FRESH PEARS. Registered Jan. 4, 1927. EDWARD A. BANNISTER, doing business as Pyramid Orchards, Yakima, Wash. Renewed Jan. 4, 1947. Class 46.

222,556. **HEIM-GEMACHT.** MALT EXTRACTS FOR FOOD PURPOSES. Registered Jan. 4, 1927. THE BURGER BROS. COMPANY. Renewed Jan. 4, 1947, to The Burger Brewing Company, Cincinnati, Ohio, a corporation of Ohio. Class 46.

222,594. **"LICARBO" ETC.** MEDICATED POWDERS FOR EXTERNAL USE. Registered Jan. 4, 1927. S. B. LEONARDI & CO. INC., New Rochelle, N. Y., a corporation of New York. Renewed Jan. 4, 1947. Class 6.

222,611. **TEEN-AGE.** CERTAIN WEARING APPAREL FOR YOUNG WOMEN OR MISSES. Registered Jan. 4, 1927. STIX, BAER & FULLER CO., St. Louis, Mo., a corporation of Missouri. Renewed Jan. 4, 1947. Class 39.

222,703. **ASKIT.** HEADACHE POWDERS. Registered Jan. 4, 1927. ASKIT LIMITED, Glasgow, Scotland, a company of Great Britain. Renewed Jan. 4, 1947. Class 6.

222,915. **KUROL.** HAIR TONICS. Registered Jan. 11, 1927. VINCENT J. CURCIO, doing business as V. J. Curcio Co., Jersey City, N. J. Renewed Jan. 11, 1947. Class 6.

REISSUES

DECEMBER 24, 1946

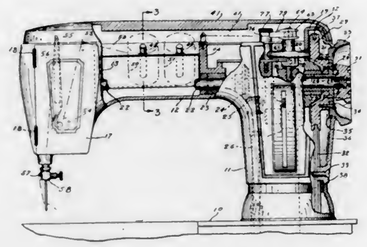
22,822

SEWING MACHINE ARM

Charles E. Colegrove, Lakewood, Ohio, assignor to Sears, Roebuck and Company, Chicago, Ill., a corporation of New York

Original No. 2,390,571, dated December 11, 1945, Serial No. 532,987, April 27, 1944. Application for reissue April 19, 1946, Serial No. 663,433

15 Claims. (Cl. 112—258)



1. In a sewing machine, a bed-plate, a stationary arm bracket having a vertical portion carried by said bed plate and a hollow horizontal portion extending laterally from the upper end of the vertical portion and overlying and substantially parallel to said bed plate and provided with a free end having a downwardly extending enlargement, a needle bar, take up and tension device mounted by said enlargement; said horizontal portion being provided with a wall opening communicating with the hollow interior of said portion, movable closure means for said opening, means within the hollow interior of said horizontal portion intermediate said enlargement and said vertical portion and accessible through said opening and upon which a spool of thread may be mounted, housed and concealed within the hollow interior and by the walls of said horizontal portion and by said closure means, and means for guiding the thread from said spool to said tension device, take-up and needle bar.

22,823

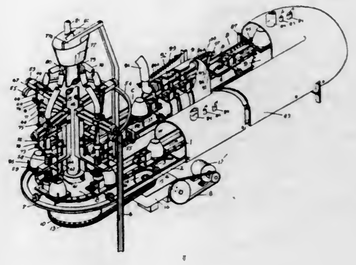
METHOD AND APPARATUS FOR APPENDAGING POTTERYWARE

William J. Miller, Frankstown Estates, Pa., and Ashley J. Reek, Jonesboro, Ind., assignors, by direct and mesne assignments, to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania

Original No. 2,349,292, dated May 23, 1944, Serial No. 392,276, May 7, 1941. Application for reissue August 24, 1946, Serial No. 692,741

35 Claims. (Cl. 25—22)

1. In combination with apparatus for advancing a line of appendage casting molds and prefabricated ware along a path wherein appendages are slip cast in said molds and united to the ware, means arranged to feed charges of slip to said molds whilst moving in said path, an



appendage setting chamber through which the apparatus travels and means for reconditioning empty molds.

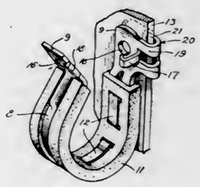
22,824

SUPPORTING CLIP FOR CONDUITS

Eugene M. Morehouse, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California

Original No. 2,338,006, dated December 28, 1943, Serial No. 464,276, November 2, 1942. Application for reissue February 23, 1944, Serial No. 523,782

8 Claims. (Cl. 248—74)



1. In a clip for supporting a conduit in aircraft, a conduit-embracing strap having ends normally spaced apart to permit of application of the clip to a conduit and adapted to be brought together to clamp the strap on the conduit, latch means operating when said ends are brought into a predetermined position adjacent one another to hold said ends against movement away from one another, said ends having apertures therein for reception of a bolt, a nut, and means on the

strap for holding said nut with its opening aligned with the apertures in said ends while the latter are held adjacent one another by said latch means.

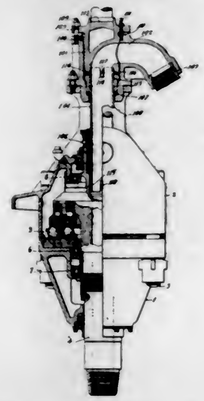
22,825
SWIVEL

John S. Morgan, Jr., Manhattan Beach, and Demery A. Murphy, Torrance, Calif., assignors to The National Superior Company, Toledo, Ohio, a corporation of Delaware

Original No. 2,029,631, dated February 4, 1936, Serial No. 754,806, November 26, 1934. Application for reissue March 30, 1946, Serial No. 658,366

14 Claims. (Cl. 255—25)

1. In a rotary swivel, the combination of a bearing housing including upper and lower members connected together, a rotary sleeve having a fluid conducting passage being rotatably supported on bearing means within said housing, a wash pipe, said wash pipe being reversible end for end, means connected with said bearing housing to non-rotatably secure either end of said wash pipe axially of said sleeve, packing means carried by the rotary sleeve and surrounding the wash pipe to form a fluid tight rotary connection between the wash pipe and the sleeve, said packing means being position axially of the wash pipe



within its half length farthest removed from its secured end.

PLANT PATENTS

GRANTED DECEMBER 24, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

719
ROSE PLANT

Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California

Application January 3, 1946, Serial No. 638,823

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by its very vigorous, upright, free branching habit of growth, with relatively few thorns; distinctive color of its canes; abundant, glossy, relatively large foliage, resistant to mildew; and form, size and red coloring of its blooms, together with the tendency of said blooms to close at night, substantially as shown and described.

720
APPLE TREE

Frank A. Schell, Cashmere, Wash., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo., a corporation of Missouri

Application January 29, 1946, Serial No. 644,055

1 Claim. (Cl. 47—62)

A new and distinct variety of apple tree characterized as to novelty by the habit of bearing heavy crops of fruit having a shape resembling that of "Grimes Golden," a flavor comparable to that of "Starking," a deep brilliant red color all over; by the attainment of a fine, full, mild flavor before "Grimes Golden" or "Jonathan," grown under comparable conditions, reach the best eating stage, and by the good keeping quality of the fruit in storage, substantially as shown and described.

PATENTS

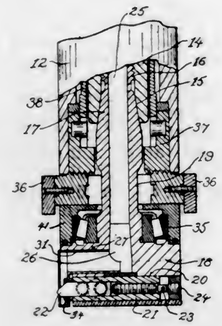
GRANTED DECEMBER 24, 1946

2,412,937
BORING HEAD

Edward A. Allen, Westfield, Mass., assignor to Van Norman Company, Springfield, Mass., a corporation of Massachusetts

Application June 30, 1944, Serial No. 542,900

2 Claims. (Cl. 77—58)



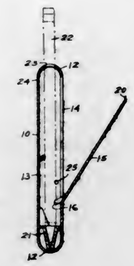
1. In a boring bar of the type having a reciprocable but non-rotatable guiding sleeve and a shaft rotatably mounted within the sleeve and reciprocable therewith, a cutter head having an extension projecting upwardly and secured to said shaft, a bearing between said upward extension and the sleeve, a radially extending cutter bit located in the cutter head below said bearing, said cutter head having a radial passageway between the cutter bit and the bearing, said extension having an axial passageway connecting with the radial passageway and the shaft having an axial passageway, and a suction hood held within the radial passageway and having an aperture adjacent the tool bit.

2,412,938
ALL-PURPOSE UTILITY PENCIL CASE

Verona Pearl Ameth, Crosby, N. Dak.

Application October 12, 1944, Serial No. 558,409

3 Claims. (Cl. 211—69)



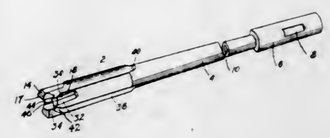
3. A device of the kind described, comprising a casing having a solid front and a window in the back, a plurality of pencil point seats interiorly thereof near one end and engageable through openings in the opposite end of the casing, a prop carried by the casing at the rear side thereof, means swingingly connecting the prop for moving the prop into active and inactive relation with the casing and means for frictionally latching the prop in an inactive position and in fitting relation to the window in the rear of the casing.

2,412,939
CORE DRILL

Earl F. Aston, South Charleston, W. Va.

Application June 25, 1945, Serial No. 601,406

9 Claims. (Cl. 77—69)



1. A core drill comprising an elongated hollow shank, a hollow cutting head positioned on the forward end of the shank coaxially thereof, said cutting head having a longitudinal bore therethrough and a plurality of substantially equally spaced longitudinally extending chip clearance grooves on the exterior thereof, the cutting head having a plurality of cutting portions thereon, said cutting portions being spaced substantially equally both circumferentially of the exterior surface and radially of the bore, one such cutting portion being positioned between each successive pair of grooves, said cutting portions having end cutting and inner and outer axial cutting faces, the cutting portions being so disposed on the head as to cut an anular kerf of a diameter at least slightly in excess of the diameter of the head and to cut an integral core of the material being drilled having a diameter at least slightly less than the diameter of the bore through the head, the forward cutting edge of the outer axial cutting face being disposed with respect to the axis of the head so that it has a small angle of negative axial rake and the forward cutting edge of the end cutting face being so disposed as to have a small angle of negative radial rake.

2,412,940
SPECTROMETER PRISM MOUNTING

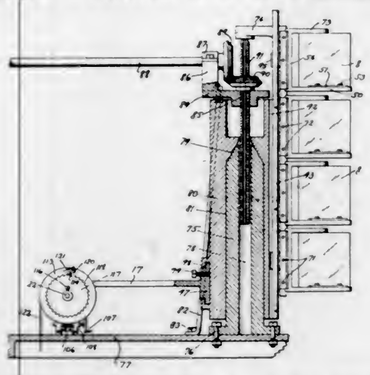
William H. Avery, Houston, Tex.

Application August 28, 1942, Serial No. 456,528

3 Claims. (Cl. 88—1)

1. In a spectrometer, a prism mounting comprising a stationary bearing shaft, a carrier sleeve rotatably mounted on said shaft, a longitudinally extending guide on one side of said sleeve, a slide mounted on said guide for longitudinal movement therealong, means for mounting a plurality of prisms along said slide at longitudinally spaced intervals, and means for ad-

justing said slide longitudinally with respect to said guide to selectively bring one or another of



the prisms carried by said slide into operative position.

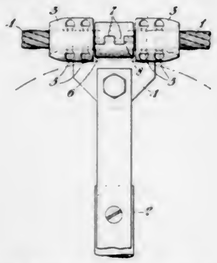
2,412,941

METHOD OF APPLYING FITTINGS TO ROPES

Gordon H. Bannerman, Worcester, Mass., and James M. Curran and Glen H. Trout, Omaha, Nebr., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Continuation of application Serial No. 175,165, November 17, 1937. This application June 5, 1940, Serial No. 339,026

1 Claim. (Cl. 29—148)



A method of applying a fitting to a rope, said fitting being adapted to encircle and constrict said rope so as to be positioned against movement longitudinally of the same, said method being characterized in that said rope is tensioned sufficiently to reduce its normal diameter during the application of said fitting, the force used to so tension said rope exceeding the normal working tension for which the same is designed, and said method being further characterized in that the latter is applied to said rope while the same is so tensioned so as to constrict said rope with a force sufficient to still further reduce its normal diameter.

2,412,942

METHOD OF FORMING RUBBER AMINES

Frederick C. Bersworth, Verona, N. J.

No Drawing. Application July 31, 1942, Serial No. 453,111

8 Claims. (Cl. 260—768)

1. The method of forming rubber-amino compounds which comprises forming a suspension of rubber in substantially anhydrous ethylene diamine containing 10 parts diamine to each part of rubber by weight, and heating the said suspension in the presence of a hydrogenating catalyst active as a hydrogen activating catalyst, said catalyst being one selected from the group consisting of nickel, copper-chromite, platinum black and palladium black, at the boiling point of ethylene diamine to the said boiling point of the diamine in a container from which air and water vapor is excluded, the time interval of heating being extended to that effective to substantially completely dissolve the said rubber in the said diamine.

2,412,943

DETERGENT COMPOSITION FOR USE IN HARD WATER

Frederick C. Bersworth, Verona, N. J.

No Drawing. Application June 9, 1944, Serial No. 539,595

4 Claims. (Cl. 252—117)

1. A detergent composition for use in hard waters, in water containing strong electrolytes, and in hard and saline waters, said composition consisting of a mixture of alkali metal-fatty acid soap compounds and 5% to 25% of the acid-trialkali metal salt of ethylene diamine tetracarboxylic acid.

2,412,944

METHOD OF PRODUCING A DETERGENT COMPOSITION

Frederick C. Bersworth, Verona, N. J.

No Drawing. Application June 9, 1944, Serial No. 539,596

2 Claims. (Cl. 252—117)

1. The method of forming an aqueous solution containing about one molar weight of the trisodium salt of ethylene diamine tetracarboxylic acid and about 1 molar weight of the sodium salt of stearic acid which comprises dissolving about one molar weight of the tetrasodium salt of the said amino acid in a volume of water, adding thereto about 1½ molar weights of stearic acid, and heating the solution for an extended time interval until the pH of the solution is stabilized at a pH of about 8, and filtering the solution while hot to remove the excess stearic acid present therein.

2,412,945

DETERGENT COMPOSITION AND METHOD OF PREPARING SAME

Frederick C. Bersworth, Verona, N. J.

No Drawing. Application July 27, 1945, Serial No. 607,481

16 Claims. (Cl. 252—117)

1. A product of manufacture consisting of the reaction product of an aliphatic polyhydroxy alcohol and an alkali metal salt of a lower alkyl amino polyacetic acid, said reaction product being formed by heating the said salt in aqueous solution with at least 15% by weight of said alcohol to temperatures within the range 115–200° C. for an extended time interval effective to vaporize the major portion of the water therefrom, said reaction product thereby obtained being characterized by being highly soluble in water, by being non-reactive with salts and electrolytes present in the water to form insoluble compounds therewith, by being a strong detergent in aqueous solutions, and by being miscible in all proportions up to equal amounts by weight with alkali metal fatty acid soap compounds without detriment to the bar, flake and powder forming properties of the said soap compounds, and by imparting to said soap compounds strong foaming properties in the presence of dissolved salts and electrolytes without the formation of insoluble soap compounds therewith.

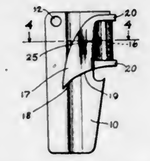
2,412,946

CAN OPENER

Samuel Bloomfield, Chicago, Ill.

Application July 3, 1944, Serial No. 543,232

1 Claim. (Cl. 30—22)



A can opener comprising a plate adapted to be held between the thumb and index finger of the hand during can opening operation, a bearing sleeve formed on one side edge of said plate and as an integral part thereof, a blade, a pintle bar formed as an integral part of said blade and adapted to be mounted in said sleeve to permit said blade to be pivoted relative to said plate, and means for releasably latching said blade in a position upon said plate, said means comprising a keeper lug struck from said sleeve and adapted to have snapped engagement with the pintle bar.

2,412,947

DRY CASTING SOLUTION OF CELLULOSE ACETATE

Gilbert W. Brant, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 19, 1944, Serial No. 518,867

5 Claims. (Cl. 106—181)

5. A dry casting solution consisting of 74.8 parts by weight of acetone-soluble cellulose acetate, 25 parts of dibutyl phthalate, 0.2 part of ethyl cellulose, and 300 parts of acetone.

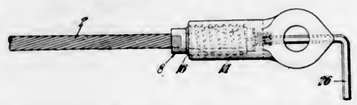
2,412,948

DETACHABLE TERMINAL FITTING FOR STRANDED-WIRE STRUCTURE

Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application February 2, 1943, Serial No. 474,416

6 Claims. (Cl. 24—122.6)



1. A terminal fitting for stranded wire structures comprising a thin walled compressible fitting surrounding and in intimate surface contact with said stranded wire structure and having a Dardelet thread formed on the external surface thereof, and a hollow fitting having a complemental Dardelet thread formed on the internal surface thereof and threaded on said first-named fitting, said complemental threads being tightened to compress the compressible fitting whereby the gripping force on the wire structures is increased.

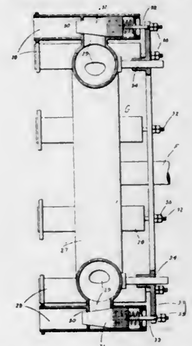
2,412,949

ROTARY ENGINE

Luther S. Brown, Kenneth R. Brown, and Forrest L. Brown, Fresno, Calif., assignors of fifty per cent to Kyle and Company, Inc., Fresno, Calif., a corporation

Application September 14, 1942, Serial No. 458,228

1 Claim. (Cl. 123—108)



An internal combustion engine having a plurality of firing chambers, a separate fuel mixture supply conduit communicating with each such chamber, a normally spring closed valve in each conduit, a single member common to all the conduit valves and operable to effect the opening of all thereof, and an adjustment means between each such conduit valve and such member effective to permit the operation of said member to open the several conduit valves in differing degrees whereby to admit differing amounts of the fuel mixture to the corresponding firing chambers, respectively, such adjustment means comprises a stem projecting from each valve, all of said stems projecting freely through such member, and an adjustable stop on the outer end of each stem, the member being movable against the stops to exert a pull on the stems to effect the said opening of the valves.

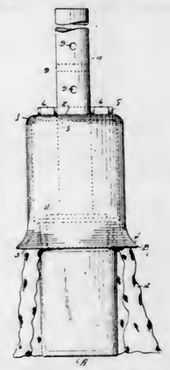
2,412,950

TUMBLER WASHER

Nelson Bullock, Santa Ana, Calif.

Application October 19, 1944, Serial No. 559,351

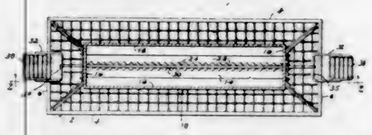
1 Claim. (Cl. 15—211)



In a washing device comprising means for moving a wash cloth into contact with a drinking tumbler and for holding the cloth in contact with

the tumbler while imparting relative turning movement to said means and said tumbler, said means comprising a cylindrical head and a hollow cylindrical body loosely spaced from and surrounding the head, said body being of a size and shape to substantially conform to a drinking tumbler and having a closed upper end formed with a central opening, said head and body being adapted after the cloth has been applied across the open end of the tumbler to be moved so that the head extends into the tumbler and said body about the tumbler to move the cloth into contact with the inside and outside of the tumbler, the upper edge thereof and the inner surface of the bottom thereof, a stem on the head extending upwardly through said opening in the closed upper end of the body, spaced bosses upon the upper end of the body at opposite sides of the stem and a pin carried by the stem and contacting with the bosses to limit downward movement of said head with respect to said body and to hold the head and body against relative turning movement during the rotation of the tumbler for the cleaning thereof, and the lower end of the body being flared outwardly to adapt the body to be applied easily to the cloth and tumbler to permit the cloth to more easily pass over the flared edge thereof, or the cloth is forced into the inside of the tumbler by movement of the head into the tumbler.

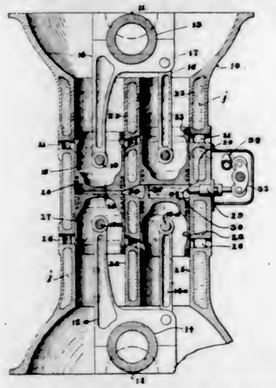
2,412,951
POULTRY FEEDER
John J. Carmo, Billerica, Mass.
Application August 6, 1943, Serial No. 497,607
14 Claims. (Cl. 119—55)



1. A poultry feeder comprising a trough, a hopper for containing chicken mash, said hopper positioned over said trough and spaced therefrom, an agitator bar extending lengthwise of said trough and under the bottom opening of said hopper, means exterior of said trough against which birds may exert a force, and means connecting said exterior means to said agitator bar so that alternating movement of said exterior means under the influence of force applied thereto by a bird will cause longitudinal oscillating movement of said agitator bar, said agitator bar having a plurality of indentations along the sides thereof, which indentations are effective to cause lateral movement of said mash until a determinable quantity has flowed into said trough, after which continued longitudinal oscillating movement of said agitator bar through said mash will cause no further flow of said mash into said trough.

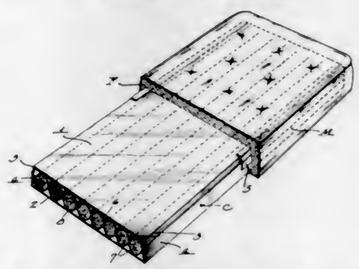
2,412,952
INTERNAL-COMBUSTION ENGINE
Rudolph Daub, West Caldwell, N. J.
Application November 20, 1944, Serial No. 564,191
4 Claims. (Cl. 123—51)

1. An internal combustion engine comprising parallel crank shafts operating at the same speed and each having a crank pin, parallel cylinders between said crank shafts, a combustion chamber midway between the ends of said cylinders, and two sets of oppositely moving pistons in said cylinders, one set being connected to one crank shaft and the other set to the other crank shaft, intake passages connecting said cylinders and



controlled by one set of pistons and exhaust passages connecting said cylinders and controlled by the other set of pistons.

2,412,953
MATTRESS CONSTRUCTION
Abraham Auerbach, North Hollywood, Calif., assignor of one-third to Samuel Lebowitz, Washington, D. C.
Application December 8, 1943, Serial No. 513,399
8 Claims. (Cl. 5—355)

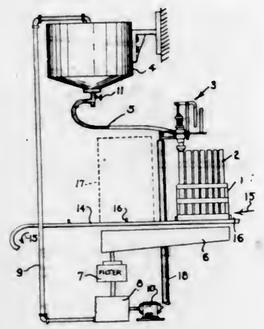


6. In a mattress, cushion, or the like, a resilient core unit and a layer of soft cushioning material surrounding said core unit, said core unit comprising two nested box-like casings of semi-rigid material with open faces disposed towards each other and arranged for telescopic movement one within the other, and a plurality of independently free yieldable tubular cushioning elements disposed in said casings between the opposed semi-rigid closed faces thereof, adapted to hold said casings in spaced relation with a capability of to-and-fro movement one within the other.

2,412,954
COATING DEVICE
Vincent F. Zdancewicz, Lynn, Mass.
Application March 25, 1943, Serial No. 480,565
2 Claims. (Cl. 91—43)

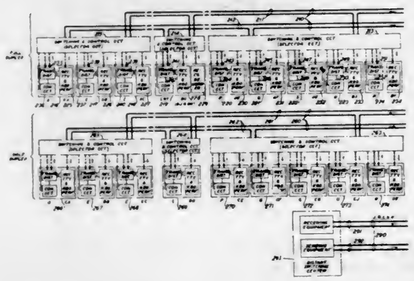
1. An apparatus for applying fluorescent coating to the wall of open ended envelopes for gaseous discharge devices comprising a reservoir for fluorescent coating material the liquid level of which is maintained at a point above the point of application of the material to the envelopes,

means for holding a plurality of envelopes in vertical position, a unitary nozzle member, means to conduct liquid from said reservoir to said nozzle, said nozzle being capable of stopping the flow of coating material under pressure, and having a vertically moveable gate member, a four bar linkage disposed with its pivot axes horizontal, means



for securing one of its links to a fixed support and means for securing said nozzle with its gate member in vertical position to the opposite link of said linkage whereby the nozzle may be positioned successively over the ends of said envelopes and means for opening the gate of said nozzle to cause the coating material to flow onto the inner wall of the envelopes.

2,412,955
TELEGRAPH SWITCHING SYSTEM
Walter M. Bacon, New York, N. Y., and William R. Young, Jr., Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 18, 1943, Serial No. 502,944
17 Claims. (Cl. 178—4)

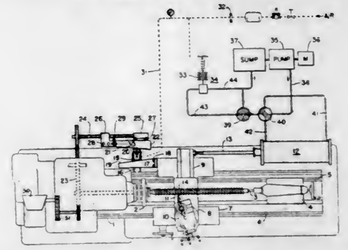


1. A telegraph system in which messages are automatically directed by directing code combinations at the head end thereof, a plurality of sources of such messages including directing code combinations, a line selectable by any of said sources for transmission of the message thereover when the line is idle, a storage device, and means for selecting said storage device by any of said sources and for the transmission of a message thereto when said line is busy.

2,412,956
LUBRICANT CONTAINING ALKYL PIPERIDINE SALTS
George E. Barker, Pittsburgh, Pa., assignor to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
No Drawing. Application August 3, 1944, Serial No. 547,979
8 Claims. (Cl. 252—34.7)

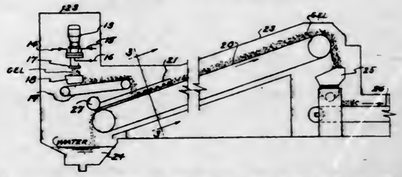
1. A lubricant consisting of an organic lubricant liquid having dissolved therein from 0.05 to 1.0 percent of an alkyl-piperidine salt of a fatty acid, the alkyl group having from 5 to 30 carbon atoms and the acid group having from 5 to 30 carbon atoms.

2,412,957
MACHINE TOOL CONTROL
Frederick A. Barnes, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application June 28, 1944, Serial No. 542,541
3 Claims. (Cl. 82—5)



1. In combination with a lathe having a relatively movable tool and work piece, means for rotating the work piece at substantially constant speed, a carriage for the tool adapted to position the tool longitudinally along the work piece, a hydraulic motor for moving the carriage, a reciprocating cam, means for positioning the cam along a rectilinear path by and with the carriage, a template disposed in opposing relation to and adjacent said cam, means including a connection with the first named means to move the template along a path parallel to that of said cam, and fluid pressure means mounted between and under the joint control of said cam and template arranged to control the hydraulic motor.

2,412,958
PRODUCTION OF SOLID CONTACT MATERIAL
John R. Bates, Swarthmore, and Hubert A. Shabaker, Media, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application January 23, 1942, Serial No. 427,918
4 Claims. (Cl. 252—254)



1. In a process of producing contact material from inorganic gel, the improvement which comprises forming said gel from reactants, continu-

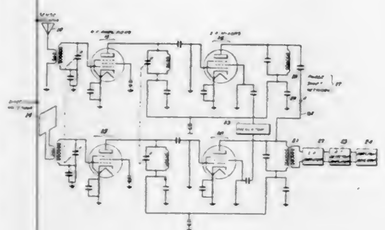
ously feeding the gel to an ageing zone while said gel is still in the wet condition and before any substantial ageing has taken place to form a moving bed of gel in said ageing zone and maintaining the bed of gel at sufficient thickness and temperature to rapidly raise its temperature in the range of 120°–210° F., moving the gel through the ageing zone to a drying zone at a temperature within said temperature range and at a rate such that the gel remains in the ageing zone for a substantial period of at least 10 minutes and not to exceed 2 hours, the gel while moving through said ageing zone being contacted with an atmosphere of steam and air to maintain the recited temperature without substantial dehydration of the gel.

2,412,959

RADIO DIRECTION FINDER SYSTEM

Harold C. Baumann, Elizabeth, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware

Application May 1, 1943, Serial No. 485,273
6 Claims. (Cl. 250—11)



1. A radio direction finder system including a receiving circuit arranged for coupling to a non-directional antenna means, a receiving circuit arranged for coupling to a directional antenna means, frequency converting means for converting the signal waves in each receiving circuit to the same intermediate frequency, output circuits for said frequency converting means, phase shifting means in one of said output circuits, means for combining the intermediate frequency waves from said output circuits in a common circuit, and a single detector and indicator circuit coupled to said common circuit.

2,412,960

FLUID COMPOSITIONS CONTAINING COPOLYMERS OF TETRAFLUOROETHYLENE AND ETHYLENE

Kenneth L. Berry, Hockessin, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 19, 1945, Serial No. 583,640
2 Claims. (Cl. 260—32)

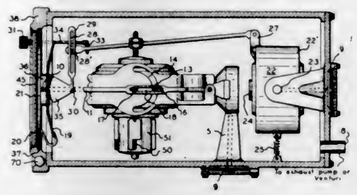
1. A composition of matter comprising a solution in organic solvent of a copolymer of tetrafluoroethylene and ethylene containing from 50% to 85% tetrafluoroethylene, said solvent being a neutral ester of a saturated dicarboxylic acid containing at least 5 carbon atoms, said ester being free of multiple carbon to carbon linkages and containing from 7 to 18 carbon atoms.

2,412,961

AIRCRAFT ATTITUDE INDICATOR

Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application November 13, 1941, Serial No. 418,943
6 Claims. (Cl. 33—204)



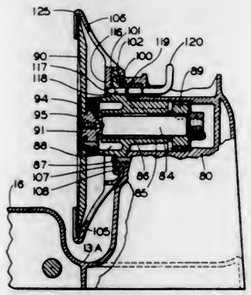
1. An attitude indicating instrument for aircraft including a gyroscopic artificial horizon having a normally horizontal index member controlled thereby, a rate of turn gyroscope, a reference member for the horizon index member comprising a movable ring having diametrically opposite normally horizontal reference positions thereon, and means for moving said ring under control of the rate of turn gyroscope.

2,412,962

SLICING MACHINE

Theodore C. Brookhart and David A. Meeker, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application August 22, 1942, Serial No. 455,808
13 Claims. (Cl. 146—102)



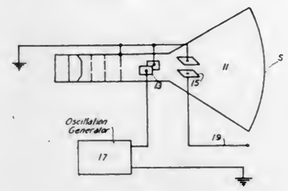
1. A slicing machine of the character described comprising a base, a rotary knife, means for rotatably supporting said knife from said base, a housing over said supporting means, and removable means for guarding more than half the periphery of said knife including sectional guard members neither of which has a greater peripheral extent that half the periphery of the knife, cooperating means on said housing and on said sectional guard members for individually receiving said guard members in predetermined position thereon, and means for retaining said members in said predetermined position and in assembled abutting relation to each other to form a knife guard for the exposed portion of said knife.

2,412,963

ARRANGEMENT FOR DETERMINING AND MONITORING THE DURATION OF ELECTRICAL PULSES

Prafulla Kumar Chatterjea, Charles Thomas Scully, and Dermot Min Ambrose, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company

Application June 12, 1943, Serial No. 490,574
In Great Britain July 21, 1942
5 Claims. (Cl. 161—15)



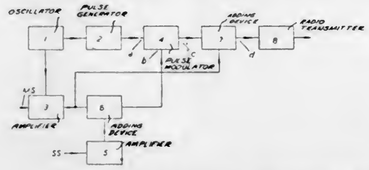
1. Apparatus for determining the duration of the pulses of a source of rectangular voltage pulses having a predetermined frequency comprising a cathode ray tube oscillograph, means for focussing the cathode beam on the fluorescent screen thereof, two pairs of perpendicularly related deflection elements, a source of sinusoidal electrical waves of a predetermined frequency, means for applying said source of rectangular voltage pulses to one pair of said deflection elements, means for applying said sinusoidal electrical waves to said other pair of deflection elements, and means for comparing the width of said rectangular voltage pulses with the frequency of said sinusoidal electrical waves comprising means for adjusting the frequency of said sinusoidal electrical waves.

2,412,964

SECRECY COMMUNICATION SYSTEM

Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company

Application August 28, 1943, Serial No. 500,416
In Great Britain October 23, 1942
8 Claims. (Cl. 250—17)



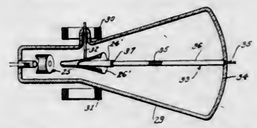
1. A secrecy communication system in which the intelligence to be communicated is transmitted as a composite electrical wave comprising a masking wave periodically interrupted for short equal time intervals for the insertion therein of the individual pulses of a pulse train amplitude modulated in accordance with the intelligence wave, the pulses having the same period and duration as the interruptions; provided with a transmitting arrangement comprising means for adding together the masking wave and the intelligence wave to produce a mixed wave, means to generate a train of short regularly repeated pulses, means to modulate the amplitude of the pulses in accordance with the mixed wave and means for adding the masking wave to the modulated pulses with such amplitude, sense, and phase that the proportion of the modulation of the pulses which was due to the masking wave is removed.

2,412,965

ELECTRODE STRUCTURE

Georges Paul Chevigny, Kew Gardens, and Henri G. Busignies, Forest Hills, N. Y., assignors to International Standard Electric Corporation

Application July 10, 1941, Serial No. 401,740
8 Claims. (Cl. 250—158)



1. In a cathode ray device, an electron gun, lateral deflection means, a fluorescent screen, and concentric electrostatic deflection means for radial deflection, said last-mentioned means comprising an inner generally cylindrical member and an outer generally cylindrical member, said members diverging progressively with respect to each other toward said fluorescent screen.

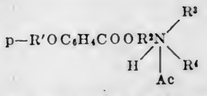
2,412,966

CHEMICAL COMPOUNDS

Walter G. Christiansen, Glen Ridge, and Sidney E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Original application September 9, 1937, Serial No. 163,034. Divided and this application June 28, 1944, Serial No. 542,619
5 Claims. (Cl. 260—473)

1. A water soluble salt of a dialkylamino alkanol ester of a p-alkoxy benzoic acid of the following type:



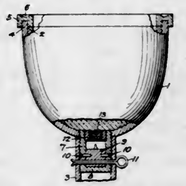
where R′ is an aliphatic hydrocarbon residue with 3 to 4 carbon atoms, R^2 is an ethylene residue, R^3 and R^4 are two ethyl residues, and Ac is an acid radical forming a water soluble salt with the ester of the amino alcohol.

2,412,967

PETARD MISSILE

Joseph H. Church, Austin, Minn., and Wilfred E. Thibodeau, Cleveland, Ohio

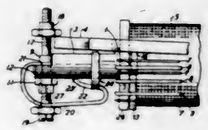
Application April 23, 1941, Serial No. 389,923
13 Claims. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A petard of the type designed for front explosion comprising an axially symmetric body,

percussion fuse means and an explosive charge therein, an axial tail piece adapted for handling the petard, a projecting annular rim forward of the petard defining a flat impact face of substantial cross-section with respect to the petard, and an annular shock-deadening unit of low resilience with respect to that of the petard fixed to said rim on an annular line concentric with said rim and extending forward thereof.

2,412,968
RELAY
Francis A. Cox, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 26, 1944, Serial No. 555,776
6 Claims. (Cl. 175—336)



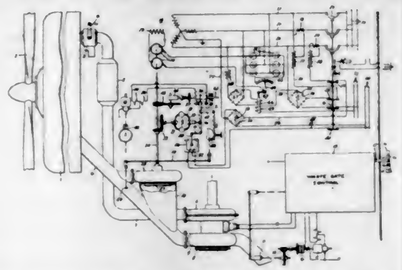
1. In an electromagnetic structure comprising a cylindrical core having the forward end of its cylindrical face flattened to form a pole face, an armature cooperating with said pole face and an energizing coil on said core, an extension on said pole face and a buffer spring, said buffer spring recurved at each end to form a C having two arms, one arm engaging the top of said extension and the other arm pressing against the bottom of said core, said other arm having two lateral prongs bent to form a U embracing said core in position to be engaged by said armature near the end of its stroke.

2,412,969
SPINNING PROCESS
Francis Bernard Cramer, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 27, 1943, Serial No. 484,763
7 Claims. (Cl. 18—54)

4. The process of producing low luster regenerated cellulose filaments and yarns which comprises spinning filaments and yarns by extruding a viscose composition containing between 1% and 5% by weight of a quaternary ammonium hydroxide into an aqueous coagulating bath having a pH value between 3.0 and 7.0, and having dissolved therein 25% to 40% of a water-soluble salt, and subsequently regenerating said yarns and filaments.

2,412,970
SUPERCHARGED ENGINE EXHAUST POWER SYSTEM
Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 6, 1944, Serial No. 566,909
19 Claims. (Cl. 290—4)

3. In combination, an engine exhaust gas driven turbo-supercharger having an exhaust gas supply throttling valve and a waste gate valve and an electric generator having an exhaust gas driving turbine provided with means for connecting the inlet and outlet thereof on opposite sides of



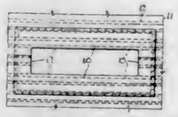
said throttling valve for operation under the control thereof.

2,412,971
TRAIL JACK
Trevor O. Davidson, Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application December 9, 1943, Serial No. 513,564
14 Claims. (Cl. 280—33.44)



1. A trail jack, comprising an element adapted to be pivotally supported on a ground-engaging towing vehicle on a horizontal transverse pivot, a portion of said element in lowered position being adapted to register with a portion of the trail, when the latter is on the ground; means for pivotally securing these two portions together; an offset curved cable-way constrained to rotate with the element; and means for then rotating the element, to raise the trail off the ground, said means including a rope attached to the element, and passing over the cable-way, and thence to an actuating means; and characterized by the fact that the element has means for securing it to the trail when in raised position; said securing means comprising the following two parts, namely an attaching means supported by the trail, and means for thereby rotating the element into firm relation to the trail.

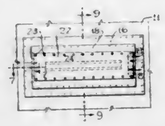
2,412,972
METHOD OF REPAIRING SKIN BLANKETS
Albert G. Dean, Narberth, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 5, 1943, Serial No. 509,047
5 Claims. (Cl. 29—148)



1. The method of repairing a skin blanket including a skin and stringers, which comprises, cutting away the damaged structure to form a regular shaped opening, securing stringer splicers to the original stringer ends in the opening at the injured portion leaving a smaller opening for access of an arm of a pressure repair attaching tool such as a welding gun, securing a repair skin

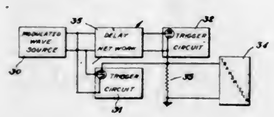
over the edges of the larger opening and upon the stringer splicers leaving a smaller opening for the tool arm, securing around the smaller opening a closure frame having an opening which provides access for the tool arm to secure it, and securing a closure to frame.

2,412,973
METAL REPAIR STRUCTURE
Albert G. Dean, Narberth, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application November 5, 1943, Serial No. 509,047. Divided and this application July 26, 1945, Serial No. 607,143
8 Claims. (Cl. 189—34)



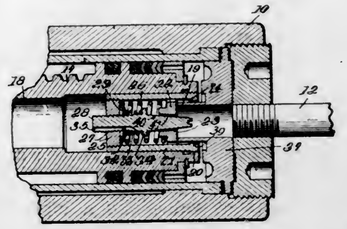
5. Repair structure for a metal structure which includes interior frame elements and a covering skin, comprising in combination, frame element repair splicers secured to the cut-off ends of damaged frame elements at the damaged opening, leaving a smaller access opening free of frame elements, a repair skin secured to the edges of the original skin and to the repair splicers leaving a small access opening where the repair splicers are omitted, a reinforcing border frame secured to the edges of the repair skin around said access opening, and a closure secured to said border frame.

2,412,974
ELECTRIC WAVE COMMUNICATION SYSTEM
Edmond Maurice Deloraine, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 11, 1943, Serial No. 502,007
In France August 29, 1941
12 Claims. (Cl. 250—6)



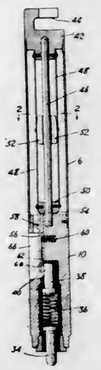
1. In a communication system of the type in which signal characteristics are represented by a series of first impulses modulated to represent the signal characteristics, said first impulses being spaced apart in time a large amount with respect to their duration, an arrangement for reducing the disturbing effects of interfering impulses comprising means for producing from each of said first impulses at least two indicating impulses spaced apart in time by a fixed time interval which is small with respect to the spacing of said first impulses, receiver means for receiving said indicating impulses, and discriminator means in said receiver means for discriminating between impulses spaced apart by said fixed time interval and all other impulses, whereby only said spaced impulses may be used for signal indications.

2,412,975
PISTON AND CYLINDER ASSEMBLY
Robert E. Dunnebeck, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application February 18, 1944, Serial No. 522,961
11 Claims. (Cl. 121—38)



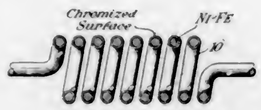
9. A device adapted for incorporation as a unit in a cylinder and piston assembly for cushioning relative movement between the cylinder and piston elements, comprising a sleeve adapted to be secured to the piston element, relatively slidable members carried within said sleeve and having similarly tapered adjacent surfaces forming a restricted and variable fluid passage therebetween, spring means normally tending to maintain said members in a position wherein the passage is of maximum size, and means for adjusting the predetermined relative positions of said members whereby to control and alter the cushioning effect as desired.

2,412,976
WELL SURVEYING INSTRUMENT
William H. Emerson, Long Beach, and Donald Hering, South Gate, Calif., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application January 16, 1942, Serial No. 426,998
6 Claims. (Cl. 33—205.5)



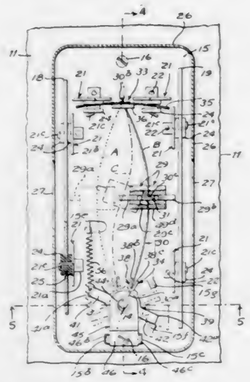
1. A well surveying instrument comprising a casing adapted to enter a bore hole, means for supporting a record member within said casing, means, comprising an electrical circuit, for effecting marking of said record member in accordance with the position of said casing, and means for controlling flow of current in said circuit, said means comprising devices responsive to rotation of said casing to effect said control.

2,412,977
FLAME SENSITIVE DEVICE
Samuel G. Eskin, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application November 19, 1943, Serial No. 510,851
2 Claims. (Cl. 201—76)



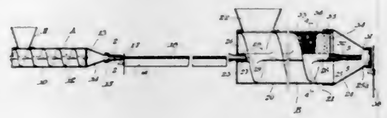
1. A flame sensitive electrical resistor comprising a wire coil consisting of a chromium-free nickel-iron alloy of normally a relatively low electrical resistance value and a high positive temperature coefficient of resistance value having a chromium-containing layer integrally diffused with the surface thereof which is exposed to the flame, said layer being adapted to protect said wire from corrosion in sulphurous atmospheres resulting from the presence of the flame and without substantial alteration in the said electrical resistance value.

2,412,978
MUSICAL CHIME CONSTRUCTION
George R. Fish, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application February 14, 1945, Serial No. 577,819
27 Claims. (Cl. 116—172)



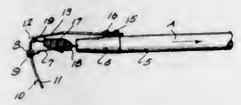
1. A signalling device having spaced sounding elements, striker means therefor, means mounting said striker means between said sounding elements for movement in directions first to strike one element and then the other, said mounting means comprising a flat spring supporting said striker means substantially at its midpoint and two spaced mountings supporting said spring at its ends and spaced apart by a distance shorter than the length of the spring whereby the spring is bowed, and a rocker carrying one of said mountings to move it and the spring end supported by it substantially in an arc and thereby increase the bowing of the spring and flex the end of the spring in a direction to reverse its bowed position and cause said striker means to be suddenly impacted against a sounding element.

2,412,979
MANUFACTURE OF MILLED TOILET SOAP
James Garvey, Vancouver, British Columbia, Canada, assignor to Arthur Garvey and Horace Mascline Garvey and said James Garvey, all of Vancouver, British Columbia, Canada
Application July 12, 1944, Serial No. 544,561
7 Claims. (Cl. 25—8)



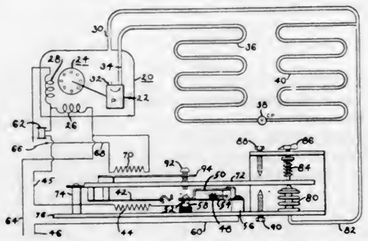
5. Apparatus for producing a soap bar with a continuous design of indented cross-section extending axially therethrough, which comprises a plodder having a restricted opening at the forward end thereof and means for feeding plastic soap to said opening and extruding it therefrom, a tube extending into the plodder from the rear end thereof towards the forward end and designed to permit a preformed soap rod having the cross-sectional dimensions of the desired design to pass freely therethrough, said tube being open and accessible at the rear of the plodder and terminating at its forward end, between said opening and the forward end of said feeding means, in a portion of appreciable length having the indented cross-sectional shape both internally and externally of the desired design but having inside cross-sectional dimensions just slightly greater than those of the desired design, whereby a preformed soap rod having the cross-sectional dimensions of the desired design may just pass freely through said portion.

2,412,980
GARDEN AND LAWN RAKE
Harry Inkpenn Gould, St. Louis, Mo., assignor of one-half to Adolph M. Krall, St. Louis, Mo.
Application July 29, 1944, Serial No. 547,139
2 Claims. (Cl. 56—400.20)



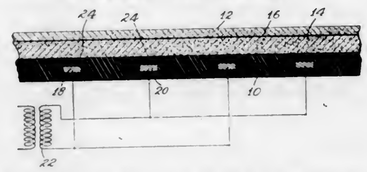
1. A garden rake of the class described comprising a handle, a ferrule capped over the outer end of said handle, said ferrule being provided with substantially semi-circular integral yoke, the free ends of the arms of said yoke terminating in eyes, said eyes constituting bearings, an apertured keeper lug on the inner end portion of said ferrule, a rake head comprising a back bar and teeth, said back bar being mounted for oscillation in said bearings, a substantially L-shaped adapter member having its short arm connected integrally with the intermediate portion of the rake head, the long arm being adapted to swing over and in alignment with said ferrule, the free inner end of said long arm being provided with a keeper slot engageable with said lug, a latch hook pivoted on said free slotted end and engageable with the aperture in said lug, and a coiled spring, said spring being anchored at one end on the intermediate portion of said yoke, the opposite end of said spring being anchored on the short arm of L-shaped adapter.

2,412,981
MOTOR PROTECTOR
Marshall C. Harrold, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 27, 1942, Serial No. 456,324
25 Claims. (Cl. 62—4)



4. Refrigerating apparatus including an evaporator, a condenser, a sealed unit containing a compressor and an electric motor for driving the compressor for withdrawing refrigerant from the evaporator and forwarding it to the condenser and for circulating the refrigerant in contact with the motor, an overload protector responsive to the electric motor current for deenergizing the motor, and means for adjusting in accordance with evaporator pressure the setting of the current value at which said protector deenergizes said electric motor.

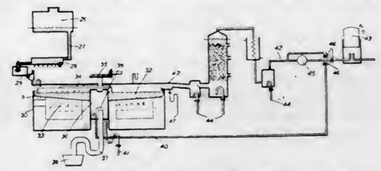
2,412,982
HIGH-FREQUENCY ELECTRODE
George T. Hart, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 28, 1945, Serial No. 580,151
5 Claims. (Cl. 219—47)



1. An electrode for use in the production of a high-frequency electrostatic field, comprising a conductor, an insulating support therefor forming part of the surrounding medium, and a cover for one face of said conductor having a substantially higher dielectric constant than the dielectric constant of the surrounding medium.

2,412,983
PROCESS FOR THE CONVERSION OF HEAVY HYDROCARBON LIQUID
Emil Hene, London, England
Application June 17, 1943, Serial No. 491,190
In Great Britain April 14, 1942
1 Claim. (Cl. 196—70)

A process for the conversion of heavy hydrocarbon liquid having a boiling point of at least 350° C. and containing a substantial proportion of unsaturated compounds into valuable hydrocarbons of high molecular weight and mainly of a more saturated nature than said heavy hydrocarbon liquid, said process comprising maintaining in a reaction zone for said heavy hydrocarbon liquid a molten surface at a temperature of from about 430° C. to about 500° C., distributing said heavy hydrocarbon liquid over the molten surface at a controlled rate of feed such that each particle of the liquid is rapidly raised to a temperature at which it is partially vaporized and the unvaporized portion thereof remains in liquid condition, immediately removing the resultant vaporous and liquid conversion products from the zone of reaction before any substantial coking of the liquid occurs, said process being further characterized in that the said heavy hydrocarbon liquid is one yielding a resinous material in the liquid conversion products, and said liquid conversion products are subjected to a solvent extraction to separate said resinous material therefrom.



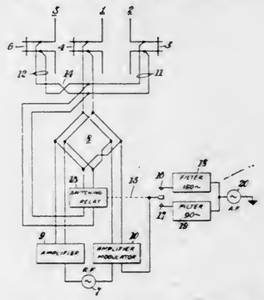
2,412,984
VULCANIZATION OF RUBBER
William H. Hill, Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
No Drawing. Application May 24, 1944, Serial No. 537,178
21 Claims. (Cl. 260—797)

1. The improvement in vulcanization of rubber containing accelerators, which comprises incorporation in a rubber mix of a small amount of condensation product of the thiocyanate salt of a guanidine with aldehyde.

2,412,985
VULCANIZATION OF RUBBER
William H. Hill, Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
No Drawing. Application May 24, 1944, Serial No. 537,179
19 Claims. (Cl. 260—797)

1. The improvement in vulcanization of rubber containing accelerators, which comprises incorporation in a rubber compound of a small amount of an accelerator composition containing as an activator the thiocyanate salt of a guanidine.

2,412,986
BEACON SYSTEM
Leon Himmel, Bronx, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1945, Serial No. 582,051
9 Claims. (Cl. 250—11)



1. A directive radiant pattern system comprising means to develop in space a field pattern

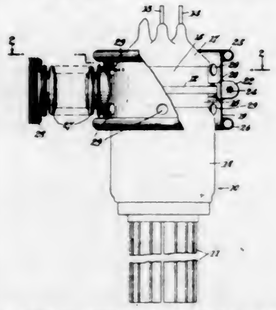
having off-course side-band lobes and an on-course carrier lobe defining a desired course, means to phase reverse said side-band lobes at predetermined rates, and means to modulate the energy in said lobes at respective but different low frequencies and in timed relation with the phase reversal.

2,412,987

VACUUM TUBE CONNECTION

Ross B. Hoffman, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application April 4, 1942, Serial No. 437,716
10 Claims. (Cl. 250—27.5)



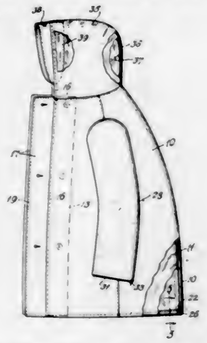
8. An adapter device for use at ultra-high frequencies and for making connection to an annular electrode terminal of an electron discharge device, said terminal adapted to support an electrode within the discharge device and having a pair of opposite axially extending annular, inwardly positioned flanged portions for sealing connection with the insulating envelope of the discharge device, said adapter comprising a generally cylindrical member having its axial dimension greater than that of said terminal and flanged portions combined, so that it overlaps the insulating envelope of the discharge device, said cylindrical member having at each edge thereof an annular rounded portion, and flexible tubular means galvanically engaged with the outer surface of said cylindrical member and extending generally radially outward therefrom.

2,412,988

REVERSIBLE GARMENT CONSTRUCTION

Jacob L. Kleinman, New York, N. Y.

Application September 30, 1943, Serial No. 504,401
16 Claims. (Cl. 2—93)



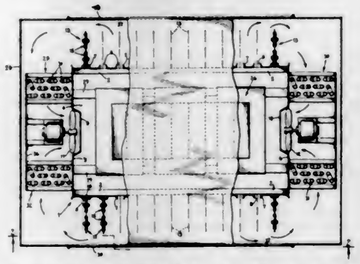
1. A reversible garment comprising two complete and substantially congruent garment units, one disposed within the other in substantial surface contact with each other, each surface of each of said units being of a different surface design and color from the other surfaces, the garment thus constituting a two-ply, four-face, composite garment capable of being reversed so as to expose any of the four faces of the garment material to the exterior.

2,412,989

MULTIPLE RECTIFIER COOLING SYSTEM

Chester A. Kotterman, Livingston, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application July 3, 1942, Serial No. 449,582
11 Claims. (Cl. 175—366)



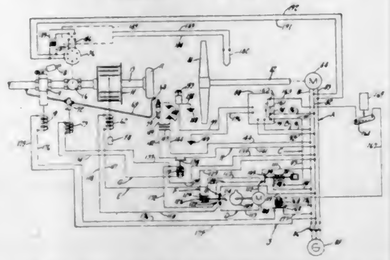
1. In a multiple rectifier, a casing, a plurality of plates each carrying a plurality of rectifier elements each mounted in direct heat transfer relation on at least one of its faces, a mounting for said plates holding them side by side within said casing, and means for circulating cooling fluid in said casing between said plates and causing it to strike the edges of said plates and flow over the surfaces thereof, and the rectifier elements thereon.

2,412,990

DRYING OVEN CONTROL

Orlin O. Kruse, Oak Park, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 6, 1942, Serial No. 449,939
5 Claims. (Cl. 158—28)



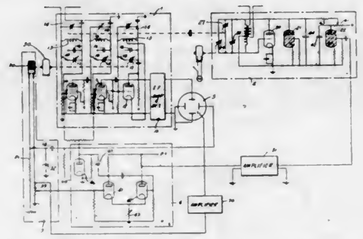
1. In an oven for drying coated metallic sheets and the like, the combination of a main gas burner for heating the oven, a valve for controlling the admission of gas to said burner, electric devices including a pilot burner for lighting said gas burner, a fan for circulating air heated by said burner through said oven, a damper opening into said oven, damper actuating instrumentalities, time delay means operatively connected to said damper actuating instrumentalities and also operatively connected with said burner lighting devices for first opening said damper for a predetermined period of time to admit fresh air into the oven for purging it of unburned gases prior to the lighting of the burner to safeguard the oven against explosion, said time delay means after a predetermined period being operative to close said damper and light said pilot burner to ignite said main gas burner, and means energized by a flow of ionized gas issuing from the lighted pilot burner for controlling the actuation of said burner control valve.

2,412,991

RADIO TRANSMISSION AND MONITORING SYSTEM

Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware

Application July 17, 1942, Serial No. 451,302
8 Claims. (Cl. 250—17)



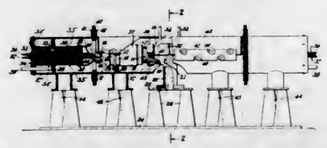
1. A radio receiver system comprising a radio receiver, means for continuously tuning said receiver over a predetermined frequency band, means for blocking said receiver, an oscillograph indicator in the output of said receiver, scanning means for scanning said indicator while said continuous tuning is taking place, a resistance-condenser circuit mechanically controlled means for charging and discharging said resistance condenser circuit, means for deriving from said circuit scanning waves for application to said scanning means, means for deriving blocking pulses from said circuit, means for synchronizing said means for continuously tuning with said mechanically controlled means, and means for applying said blocking pulses to said blocking means to synchronize said blocking means with said tuning means.

2,412,992

VACUUM TUBE CONNECTION

Emile Labin, New York, N. Y., and Ross B. Hoffman, East Orange, N. J., assignors to Federal Telephone and Radio Corporation, a corporation of Delaware

Application April 20, 1942, Serial No. 439,746
14 Claims. (Cl. 315—38)



1. A cooling arrangement for simultaneously cooling an electrode of each of two electron discharge devices, each said electrode having a heat conducting portion extending externally of each said device, each said portion being generally cylindrical and including radially extending cooling surfaces, said arrangement comprising a hollow cylindrical member mechanically engaging said cooling surfaces of one said discharge device at one end of said member and said cooling surfaces of the other said discharge device at the other end of said member, and a tubular connection to said member between said portions.

2,412,993

POLYMERIC MATERIALS

Arthur W. Larchar, Mendenhall, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 19, 1943, Serial No. 495,349
12 Claims. (Cl. 260—72)

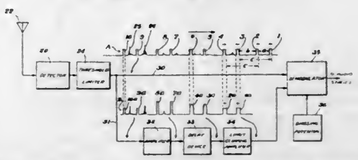
1. A process for making N-alkoxymethyl polyamides which comprises heating formaldehyde and an aliphatic alcohol consisting of an alkyl group and an hydroxyl group with a solution in monobasic carboxylic acid of a linear polycarbonamide which has hydrogen-bearing amide groups as an integral part of the polymer chain and in which the average number of carbon atoms separating the amide groups is at least two, and then precipitating the N-alkoxymethyl polyamide with an ester composed of the same acid radical as that of the acid comprising the solvent for said polyamide and the same alkyl-radical as the alcohol with which said solution of polyamide was reacted, said monobasic carboxylic acid being selected from the group consisting of acetic, chloroacetic, hydroxyacetic, propionic and benzoic acids.

2,412,994

RADIO RECEIVING SYSTEM

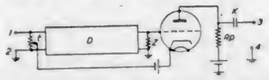
Gerard J. Lehmann, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application October 4, 1943, Serial No. 504,822
In France August 29, 1941
1 Claim. (Cl. 250—20)



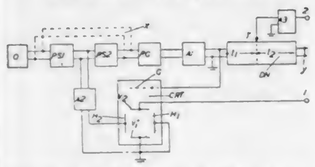
In a system for receiving time modulated pulses of the push-pull modulated character wherein the pulses are paired off with the pulses of each pair generally time displaced in opposite direction according to the instantaneous amplitude of the signal energy, a demodulator, a source of signal pulses, biasing means to render said demodulator normally non-responsive to signal pulses, a first electrical path connecting said source to said demodulator and a second electrical path connecting said source to said demodulator comprising a delay device arranged to extend slightly the duration of the pulses and to retard the pulses an amount substantially equal to the interval separating alternate pulses, an amplifier preceding said delay device to increase the amplitude of pulses before they are applied thereto, a limit clipping amplifier for limiting the amplitude of said retarded pulses so as to give them a substantially rectangular shape and means for applying said retarded pulses to said demodulator to overcome said biasing means and thereby render said demodulator responsive to signal pulses for the duration of each of said retarded pulses.

2,412,965
AMPLIFIER OF ELECTROMAGNETIC ENERGY
Maurice Moise Levy, London W. C. 2, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application September 11, 1942, Serial No. 458,060
In Great Britain June 6, 1941
11 Claims. (Cl. 179—171)



4. A selective thermionic amplifier circuit for amplifying periodically repeated electrical impulses comprising a thermionic amplifier having input and output circuits, a first feedback circuit extending between said output and input circuits including a delay network arranged to vary the phase of the feedback voltage dependent upon frequency and a second feedback circuit extending between said output and input circuits and arranged to produce a constant negative feedback voltage independent of frequency.

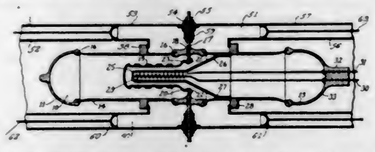
2,412,996
ARRANGEMENT FOR GENERATING AND OBSERVING ELECTRIC PULSES
Maurice Moise Levy and Thomas William Elliott, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 2, 1943, Serial No. 512,570
In Great Britain January 29, 1943
8 Claims. (Cl. 315—20)



1. An apparatus for generating a train of short periodically repeated electrical pulses and for observing their form on an oscillograph screen, comprising means for normally blocking the oscillograph to prevent it from indicating, means for generating a second train of periodically repeated rectangular pulses each of longer duration than each of the said first-mentioned pulses for unblocking the oscillograph, each of which longer pulses completely overlaps in time one of the first mentioned short pulses, means whereby the generation of both trains of pulses are controlled by the same sinusoidal wave, means for applying said first mentioned pulses to said oscillograph to produce form deflection, and means for applying the said sinusoidal wave to the oscillograph in such a manner that a time deflection is obtained which is substantially linear during the periods when the oscillograph is unblocked.

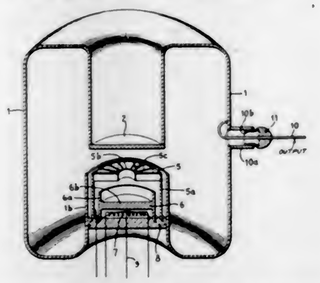
2,412,997
ELECTRON DISCHARGE DEVICE
Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 31, 1942, Serial No. 429,071
6 Claims. (Cl. 315—6)

1. An electron discharge tube adapted for ultra high frequency operation, comprising an elongated evacuated vessel, the elongated wall of which comprises a pair of metal sheaths separated by a vitreous section sealed to said sheaths, a cathode located concentrically within first of said sheaths and being supported only by, and elec-



trically connected with, the second of said sheaths, a metal member protruding through, and sealed to, said insulating section, a grid located concentrically around the cathode and only within the first sheath, said grid being supported by, and electrically connected to said member.

2,412,998
ELECTRON DISCHARGE DEVICE
Charles V. Litton, Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 7, 1942, Serial No. 429,872
6 Claims. (Cl. 250—27.5)

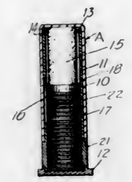


1. A high frequency electron discharge tube including a conducting toroidal resonator having inner and outer cylinders, said inner cylinder having a gap intermediate its ends, an anode mounted within said resonator and connected to said resonator on one side of said gap, and a cathode and a grid mounted within said resonator and sealed to said resonator on the opposite side of said gap and electrically insulated therefrom, said grid being positioned between said anode and said cathode and having a tubular extension extending away from said gap, the diameter of said extension being smaller than the inner diameter of said inner cylinder.

2,412,999
LIPSTICK HOLDER
Alexander S. Mackey, Ottawa, Ontario, Canada, assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 12, 1943, Serial No. 486,700
2 Claims. (Cl. 206—56)

1. A lipstick holder comprising an elongated tubular body having a one dimensional bore throughout the major portion of the length thereof, a holding member within the bore of said body, means at one end portion of the member for supporting a lipstick therein, said member in its entirety being confined within the bore of said body and free for longitudinal and rotary

movement therein, said body having an elongated and comparatively wide longitudinally extending opening therein intermediate the ends of said body and opening into the bore thereof, to expose said member to said opening to be accessible for engagement by a digit of the hand in moving said member longitudinally of said body, said member

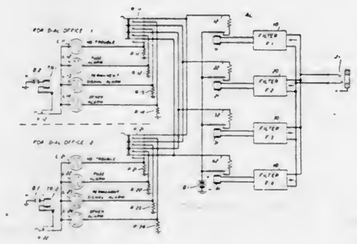


having a roughened surface arranged circumferentially and throughout the major portion of the length thereof and disposed entirely within the tubular bore of said body for constant exposure through the opening in said body in all positions of the member therein, and means limiting the movement of said member in both directions in said body.

2,413,000
METHOD
William L. Ruigh, Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application January 29, 1943, Serial No. 473,973
2 Claims. (Cl. 260—397.3)

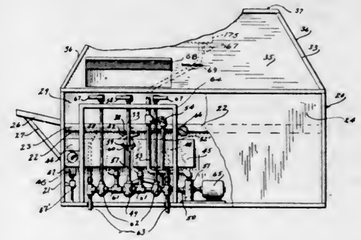
1. The method of preparing a progestational agent, which comprises ozonizing a solution of 5,6-dibromocholestanone in an ozone-inert solvent in the presence of an acid-binding agent.

2,413,001
COMMUNICATION SYSTEM
Harry H. Schneckloth, Forest Hills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 2, 1944, Serial No. 552,418
22 Claims. (Cl. 179—175.2)



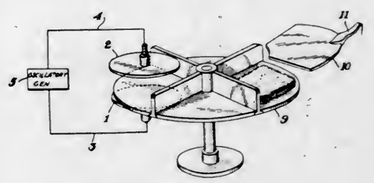
1. In a telephone system, an unattended dial office, a master office, alarm apparatus in the unattended office responsive selectively to a plurality of trouble conditions, signal receiving means in the master office, means including an interoffice trunk for connecting said signal receiving means to said alarm apparatus, and a set of alarm signals in said master office controlled by said signal receiving means for visually indicating the existence of any of said plurality of trouble conditions in the unattended office.

2,413,002
AUTOMATIC PLURAL TEMPERATURE TIMING THERAPEUTIC BATH
Ralph E. Schurtz, Kansas City, Mo.
Application June 1, 1942, Serial No. 445,374
11 Claims. (Cl. 4—147)



1. In an apparatus of the character described, a bath device, a warm water supply, a cold water supply, a two-way valve having two inlet ports connected respectively to the warm water supply and the cold water supply and having a delivery outlet to said bath device and means operative by pressure water flow to operate the valve alternately to opposite extreme positions.

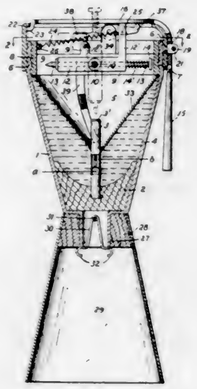
2,413,003
HIGH-FREQUENCY BAKING APPARATUS
Vernon W. Sherman, Summit, N. J., assignor to Federal Telephone and Radio Corporation
Application December 11, 1944, Serial No. 567,690
1 Claim. (Cl. 219—47)



A device for use in cooking foodstuffs that comprises a plurality of flat segmental elements, formed of materials having different dielectric properties and attached to each other along the radial edges whereby the elements collectively constitute a disc; means for supporting the disc in a manner such that free rotation in a horizontal plane about a vertical axis intersecting the center of the disc is permitted, a plurality of partition elements on and extending upwardly from the top surface of the disc, disposed radially along the localities of attachment of the segmental elements each to the other, defining segmental foodstuff-receiving zones; a plurality of segmental covers formed of materials having dielectric properties corresponding to the dielectric properties of the segmental elements and adapted to being received in the segmental zones in overlying relationship to foodstuffs placed therein; a

first electrode mounted in spaced relationship beneath the disc and a second electrode mounted in spaced relationship above the disc in registering with the first electrode, the electrodes being arranged in a manner such that when the disc is rotated the segmental foodstuff-receiving zones are successively moved into the spacing between the electrodes; and means for supplying a high frequency oscillatory current to the electrodes whereby foodstuffs positioned between the segmental covers and the segmental elements and disposed between the electrodes are internally heated to complete cooking thereof and also are heated to a higher temperature in the portions of the foodstuff immediately adjoining the dielectric segment elements and the covers.

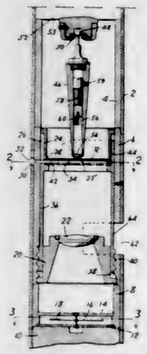
2,413,004
GRENADE
Frank Short, Canton Center, Conn.
Application March 1, 1943, Serial No. 477,583
3 Claims. (Cl. 102—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A grenade comprising a body partially filled with an explosive charge, a primer carrying detonator positioned to detonate said charge, a firing pin mechanism in the body and including a spring-backed firing pin pivotally mounted in said body and positioned transversely thereof, said firing pin having a portion extendable beyond the grenade body to operate the firing pin upon impact, a throw-off cover for the body, connections between the firing mechanism and the cover whereby the firing pin is held in unarmed position by said cover, and spring means urging the firing pin into axial alignment with the detonator against the resistance of said throw-off cover.

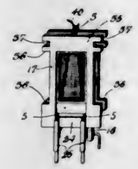
2,413,005
WELL SURVEYING INSTRUMENT
George A. Smith, Philadelphia, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application October 23, 1941, Serial No. 416,209
3 Claims. (Cl. 33—205.5)

1. A well surveying instrument comprising a casing adapted to enter a bore hole, means for supporting a sensitized record member within said casing, a compass within said casing, luminescent indicia carried by said compass, and a lens movable in accordance with inclination of



said casing for projecting an image of said indicia upon said record member.

2,413,006
ELECTRODE ASSEMBLY FOR DISCHARGE TUBES
Percy L. Spencer, West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, a corporation of Delaware
Application December 17, 1941, Serial No. 423,308
8 Claims. (Cl. 250—27.5)

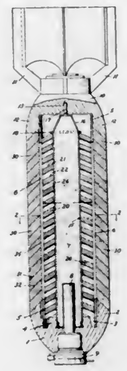


1. In an electrical space discharge device, an integral electrode assembly arranged in layers and comprising a plurality of substantially flat electrodes and a plurality of substantially flat insulating spacer members interposed therebetween, said insulating spacer members lying in planes parallel to the planes in which said electrodes lie, a portion of each of said insulating spacer members projecting beyond the electrodes, and means cooperating with said projecting portions for preventing relative movement of said spacer members.

2,413,007
LINER COATING COMPOSITION
Alfred A. Srere, Dayton, Ohio, assignor to The Miami Valley Coated Paper Co., Franklin, Ohio
No Drawing. Application March 27, 1944, Serial No. 528,365
2 Claims. (Cl. 106—137)

1. A coated liner for application to the interior of a fibrous package consisting of the following ingredients in the proportions stated: Talc 1600 lbs., kaolin 400 lbs., protein 220 lbs., caustic soda 11 lbs., glycerine 3 gallons, water 380 gallons.

2,413,008
FRAGMENTATION BOMB
Robert Taglialatela, Brooklyn, N. Y.
Application May 20, 1944, Serial No. 536,587
6 Claims. (Cl. 102—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

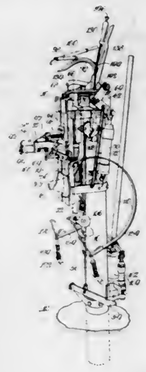


3. An aerial bomb comprising, in combination, a nose member, a tail member, an inner tube held between the said nose and tail members, explosive charge filling the said inner tube, a plurality of ring-shaped anvils having a central opening adapted to slip over the said inner tube, the top and bottom surfaces of the anvils being inclined downwardly in parallel relation, the said anvils having a plurality of spaced radial channels inclined downwardly in parallel with the said top and bottom surfaces of the anvils, the plurality of anvils being stacked in ringed relation to the said inner tube with the parallel inclined top and bottom surfaces of the anvils in nested relation, an outer tube held between the said nose and tail members in surrounding relation to the said stacked anvils and having parallel slots extending substantially the full length of said outer tube and registering with the radial channels in the anvils, a plurality of annular rings having a central opening adapted to slip over the said outer tube, the top and bottom surfaces of the rings being inclined downwardly in parallel relation, the plurality of rings being stacked in ringed relation to the said outer tube with the parallel inclined top and bottom surfaces of the rings in nested relation.

2,413,009
PROCESSES OF REFINING, PURIFYING, AND HYDROGENATING FATS, FATTY ACIDS, AND WAXES
Ilona Taussky, New York, N. Y.
No Drawing. Application October 6, 1943, Serial No. 505,254
8 Claims. (Cl. 260—97.5)

1. In the process of refining a substance selected from the group consisting of fats, fatty acids and waxes, the step of subjecting an intimate mixture comprising said substance to be refined and a small percentage of a finely divided spent hydrogenation catalyst to hydrogen pressure between fifty and seven hundred and fifty pounds per square inch at a temperature slightly above 212° F.

2,413,010
TIRE HANDLING STAND
Otto V. Teegarden, Goshen, Ind.
Application June 29, 1943, Serial No. 492,684
9 Claims. (Cl. 144—288)



1. In a tire handling stand, a support, a center post extending therefrom, said center post being movable radially with respect to a supported wheel, fixed and movable rim clamping elements for engaging the rim of the wheel and thereby supporting the wheel, means for moving said movable rim clamping element radially with respect to the rim and thereby clamping the rim between it and the fixed rim clamping element, and means for simultaneously therewith moving said center post to substantially centered position with respect to said rim clamping elements as said movable rim clamping element is so moved, said last means comprising a pair of springs, one interposed between said support and said center post and the other interposed between said center post and said movable rim clamping element.

2,413,011
MOLDING COMPOSITIONS
Waldorf S. Traylor, Mansfield, Mass., and David R. Wiggam, West Grove, Pa., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1943, Serial No. 491,552
10 Claims. (Cl. 106—173)

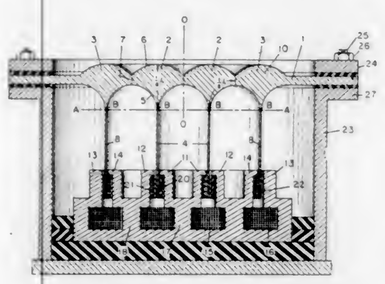
1. A thermoplastic casting composition suitable to be melted and poured into molds to form such objects as tools, dies, and jigs comprising the following ingredients in the following percentage by weight ranges:

Ethyl cellulose (45.5 to 50% ethoxyl, viscosity 20 to 1000 centipoises)	20 to 50
Plasticizer	2.5 to 35
Thermoplastic resin, compatible with the ethyl cellulose in the proportion used and having substantially no degrading influence thereon at elevated temperatures	3 to 30
Wax	5 to 25

the above ingredients being proportioned within the above stated ranges to give the composition the characteristic of ready flowability for casting without pressure and without substantial decomposition at a temperature of 220° C. and a melting

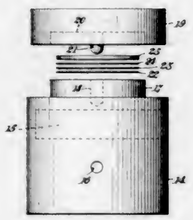
point by the ring and ball method between about 120° C. and 175° C., the said composition being further characterized by having at normal temperatures in its solidified condition a hard, substantially mar-resistant surface.

2,413,012
MEANS FOR PRODUCING MECHANICAL VIBRATIONS
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application July 28, 1938, Serial No. 221,767
10 Claims. (Cl. 177—386)



10. Subaqueous signaling apparatus comprising a radiating member having a plurality of concentric grooves defining rings each progressively decreasing in thickness from the bottom of the grooves defining it and extending beyond a nodal plane as a concentric tube of substantially uniform thickness.

2,413,013
METHOD OF MAKING SELENIUM RECTIFIERS
Arthur von Hippel, Weston, Mass., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 13, 1942, Serial No. 438,721
13 Claims. (Cl. 175—366)



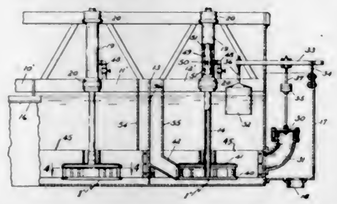
1. The method of making a selenium plate which comprises coating the plate with a layer of amorphous selenium, maintaining the temperature of the coated plate at about 100° C. for a brief time without the application of substantial pressure and then raising the temperature to about 190° C. while pressure is applied against the surface of the selenium.

2,413,014
MEANS FOR THREADING NEEDLES
Byron T. Wall, New York, N. Y., assignor to Man-Sew Corp., New York, N. Y., a corporation of New York
Application August 19, 1944, Serial No. 550,254
12 Claims. (Cl. 112—225)



1. A device for threading sewing needles, comprising a tubular member, a valve means controlling communication between said member and a source of vacuum having a movable valve element with which one end of the tubular member is operatively connected, and means on the other end of said tubular member having sealing contact with one side of the needle around the eye opening thereof when said tubular member is moved to one position relative to the needle to open said valve means, whereby a thread positioned adjacent the eye opening at the opposite side of the needle is drawn by the vacuum through said eye opening and into the tubular member.

2,413,015
APPARATUS FOR FLUID SUSPENSION CLASSIFICATION
Paul L. Wigton, Denver, Colo.
Application February 14, 1944, Serial No. 522,302
17 Claims. (Cl. 261—93)

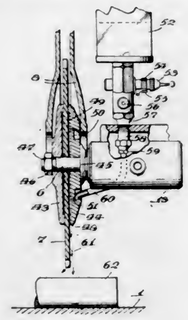


1. Apparatus for assorting solids suspended in a liquid, which comprises a rotating impeller having upwardly extending vanes for mixing air, solids and liquid in the lower portion of a body of pulp consisting of solids suspended in liquid; a rotating disc spaced above said vanes; condult means for supplying pulp to the periphery of said impeller; and means for supplying air to said impeller, said impeller being adapted to move said pulp from its periphery toward the central portion thereof, to mix air, solids and liquid, and then to eject the mixture of air, solids and liquid.

2,413,016
CUTTING MACHINE
Christy A. Wiken and Hugo V. Boehnke, Milwaukee, Wis., assignors, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 1, 1942, Serial No. 460,440
3 Claims. (Cl. 29—69)

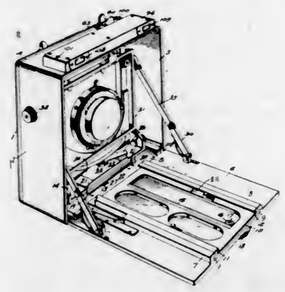
1. In a cutting machine, a drive shaft, a cutter disk and coolant distributing assembly fixed to

said shaft for unitary rotation therewith, said assembly including a distributing member having an outer rim flange on one side contacting a side face of the cutter disk to provide a coolant receiving pocket inwardly of said flange and formed



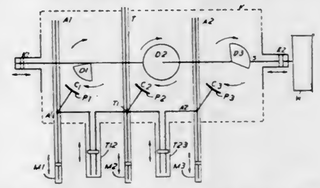
with radial discharge ports, said member at its opposite side having an annular coolant receiving trough and a series of ports delivering the coolant from said trough into said pocket for distribution through said discharge ports over said side face of the cutter disk.

2,413,017
LENS COUPLED RANGE FINDER FOR CAMERAS
Frederick P. Willcox, United States Army, Arlington, Va.
Application October 16, 1943, Serial No. 506,521
9 Claims. (Cl. 95—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



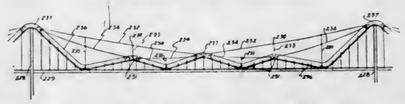
1. In a photographic camera having a casing and a movable bed for carrying the camera lens, a rangefinder comprising a pair of spaced reflectors arranged to provide adjacent partial images of an object from different viewpoints, the angular relation of said reflectors being adjustable to permit coincidence of said images, means for adjusting the angular relationship of said reflectors, comprising an arm connected to one of said reflectors for pivotal movement thereof, a second arm movably mounted in said casing and carrying a cam arranged to engage the first arm, a flange on said second arm, a shoe adapted to be engaged and moved by said movable bed, a third lever-like arm pivotally mounted in said casing and connected to said shoe so as to be rotated by movement of said shoe, and means of adjustable effective length mounted on said third arm and arranged to contact said flange at different distances from the pivot of said third arm, whereby the transmission ratio between the shoe and the movable reflector may be adjusted to accommodate for camera lenses of different focal lengths.

2,413,018
KEYING ARRANGEMENT
Eric Osborne Willoughby, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application October 15, 1943, Serial No. 506,343
In Great Britain October 20, 1942
12 Claims. (Cl. 250—11)



1. A keying arrangement for use with radio frequencies for connecting one or the other of two transmission lines to a circuit, comprising a network in series in each transmission line and means for alternatively balancing said networks.

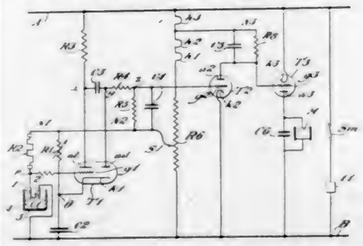
2,413,019
STABILIZING MEANS FOR TENSION ELEMENTS HANGING WITH SAG TO SUSTAIN LOADING BETWEEN SUPPORTS
Merl R. Wolfard, Cambridge, Mass.
Application March 21, 1942, Serial No. 435,686
8 Claims. (Cl. 14—19)



7. In a bridging structure, having two tension elements, each hanging with sag between towers to sustain dead and live loadings, these elements being one below the other and being held against lengthwise slip relative to each other at the midportion of the span, and also at the vicinities of said towers; that one of these elements which is the lower of them in an end-half-portion of the span having greater sag in that end-half-portion between said held places than the coextensive portion of that other of these elements which is above it; the combination in which in each end-half-portion of the span there is a tie extending downward from a control region of the said upper element, these particular control regions being spaced apart from each other at a distance which is in the range of one-quarter to one-half of the length of the span, each said tie being connected to the lower said element and making therewith a junction for imposing on said tie a part of the aggregate of dead loading which is at that junction when the structure is static; and, in each end-half-portion of the span, there is means imposing at the said tie junction an aggregate magnitude of dead loading which exceeds the magnitude of the dead loading that is imposed on any other location of equal extent in said lower sagged element in the same end-half-portion of the span; the stress in the tie when the structure is static being of a magnitude

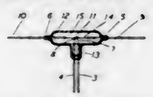
less than half of the aggregate magnitude of dead loading which is at the said junction of that tie with the lower sagged element; thereby leaving at each said junction a magnitude of dead loading which is available to migrate from the lower sagged element to a said region of the upper element when that region tends to move upward.

2,413,020
ELECTRONIC RELAY
William F. Wolfner, II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application May 19, 1943, Serial No. 487,671
5 Claims. (Cl. 250—27)



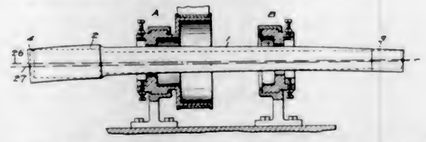
1. In an electronic control device wherein a probe impedance of an alternating current bridge network affects the voltage between the control electrode and the cathode of a controlled electron discharge means having at least three electrodes, an uncontrolled rectifying electron discharge means having an anode and a cathode which is connected to said cathode of said three electrode means, a capacitance connected between said anode and the anode circuit of said three electrode means, and a load impedance in the anode circuit of said rectifying discharge means, the voltage across said capacitance and hence across said load impedance varying with varying conductivity and hence voltage variation in said anode circuit of said three electrode discharge means upon unbalance of said network, as compared with the substantially constant voltage variation in said anode circuit of said rectifying discharge means.

2,413,021
RESISTANCE TYPE DETECTOR
Henry Wolfson and Stanley Carden Shepard, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 17, 1943, Serial No. 483,522
In Great Britain May 22, 1942
2 Claims. (Cl. 250—25)



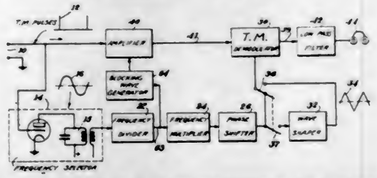
1. A device for detecting ultra high frequency electromagnetic waves, including a resistance element having a high temperature co-efficient of resistance, an elongated bulb havving said element located therewithin, lead wires connected to said element and extending through the walls of said bulb at one side thereof, also including a heating coil mechanically integral with said element but electrically discrete therefrom, a pair of straight conductors forming leads to said heating coil and passing outside the bulb at opposite ends thereof for leading the waves to the device, said conductors being arranged in a straight line to form a dipole antenna, the lengths of the conductors being adjusted in accordance with the incoming wavelength, whereby electrical coupling between said lead wires and said pair of conductors is minimized.

2,413,022
METHOD OF FORMING FIREARM BARRELS
George A. Woody, Springfield, Mass.
Application September 22, 1943, Serial No. 503,409
1 Claim. (Cl. 29—1.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



That method of forming a firearm barrel from a rod-like blank having a longitudinal central axis, comprising, supporting said blank for rotation about said axis at two spaced points between the ends of said blank, each point being approximately one-third the length of said blank from a respective end thereof, forming surfaces of revolution on each end portion of said blank while rotating the same while so supported, supporting said blank for rotation on said formed surfaces of revolution only, and while so supporting said blank forming the bore of said barrel by axially translating a drill from one end of said blank along the axis determined by said formed surfaces of revolution while rotating said blank.

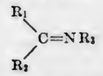
2,413,023
DEMODULATOR
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 6, 1944, Serial No. 517,160
8 Claims. (Cl. 250—27)



1. A system for demodulating, the time displacement of pulses time modulated from a given timing relationship in accordance with substantially the instantaneous amplitude of an intelligence signal, comprising means responsive to the time modulated pulses to produce a first wave of a frequency corresponding to the average timing of said pulses, means to divide the frequency of said first wave to produce a second wave of which the first wave is an even harmonic, means to translate said second wave into a third wave the frequency of which is an odd harmonic of said second wave, and means for producing amplitude variations of said time modulated pulses proportional to the instantaneous values of said third wave at the instances of occurrence of said pulses.

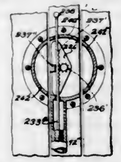
2,413,024
PROCESS FOR FINISHING TEXTILE MATERIALS, PARTICULARLY TO RENDER THE SAME WATER REPELLENT
Ernst Zerner, Gertrude D. M. Davies, and Peter I. Pollak, New York, N. Y., assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 4, 1943, Serial No. 485,624
3 Claims. (Cl. 8—116.2)

1. The process for rendering cellulosic textiles water repellent, which includes incorporating therein a monomeric compound of the formula



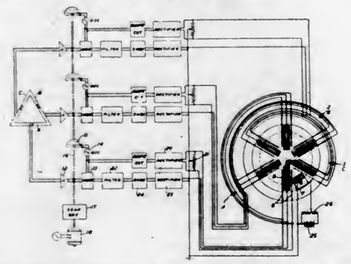
in which R_1 and R_2 represent alkyl radicals with at least 8 carbon atoms, and R_3 represents a radical selected from the group consisting of alkyl radicals having at least 8 carbon atoms and aryl radicals, drying, and baking at 130° C. to 150° C.

2,413,025
VEHICLE LOCK
Richard E. Marine, Pittsburgh, Pa.
Application January 9, 1941, Serial No. 373,846
46 Claims. (Cl. 70—264)



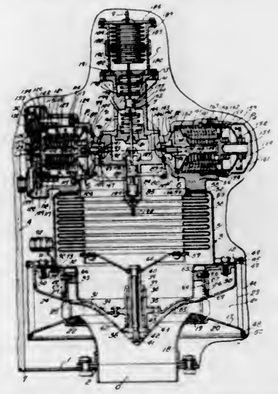
1. In a motor vehicle provided on each of its sides with a door and a latch therefor, in combination, locking means on each side of the vehicle for preventing withdrawal of said latches, mechanical interconnecting means between said locking means, and secret lock means for moving said locking and interconnecting means to lock or unlock said latches.

2,413,026
CATHODE-RAY INDICATING DEVICE
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1943, Serial No. 481,214
3 Claims. (Cl. 315—23)



1. In an indicating system, the combination of a triangular electrical frequency prism and a cathode ray tube responsive thereto, said cathode ray tube having three sets of deflecting plates corresponding in longitudinal spatial direction to the longitudinal axes of said triangular prism, each set of deflecting plates being effectively connected to and controlled by the corresponding prism forming one leg of said triangular prism.

2,413,027
CABIN PRESSURE CONTROLLING MECHANISM
Louis A. Maxson, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application June 9, 1943, Serial No. 490,170
11 Claims. (Cl. 98—1.5)

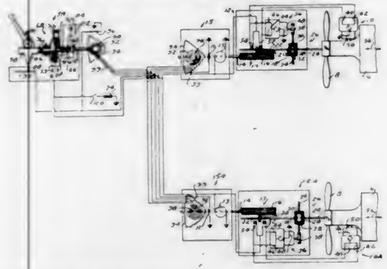


1. In combination, in an airplane cabin pressure control system, a cabin vent valve, an expansible chamber device for regulating the position of said vent valve, a tank having a restricted communication with an airplane cabin, and means for controlling the operation of said expansible chamber device including a plurality of valves one of which normally occupies a neutral position from which it is movable to control both rate of cabin pressure increase and rate of cabin pressure decrease, operating means for said one of said controlling valves including a device movable in opposite directions and subjected to opposing forces produced by cabin pressure and by tank pressure, means for yieldingly resisting movement of said last mentioned device by the preponderant one of said forces in either direction from a neutral position, said means for yieldingly resisting movement constructed and arranged to oppose to such movement in one direction from such neutral position a predetermined resistance and to such movement in the other direction from such neutral position a different predetermined resistance, and operating means for another of said controlling valves including a device subjected to opposing forces produced by cabin pressure and by a subatmospheric pressure.

2,413,028
ENGINE SYNCHRONIZER
Howard M. McCoy, Patterson Field, Ohio
Application March 11, 1944, Serial No. 526,103
9 Claims. (Cl. 172—293)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

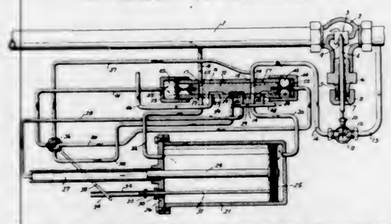
9. In a system which includes a plurality of reference motors to be synchronized each with the others, a master reference motor with which the reference motors are synchronized and a

master motor with which the master reference motor is synchronized, the improvement which comprises, a plurality of direct current armatures one for each reference motor and one for the master reference motor, a plurality of field windings one for each reference motor and one for the master reference motor, a source of current supply, a rheostat for controlling the flow of current from said source of supply to the



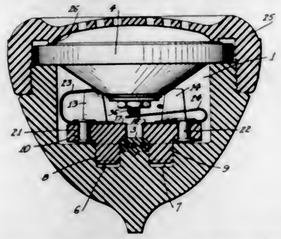
several field windings of the reference motors and of the master reference motor, a differential governor interposed between the master motor and the master reference motor sensitive to an off speed condition of the master reference motor with respect to the master motor to adjust the resistance through said rheostat, and polyphase wound alternating current rotors one on each said direct current armature, the polyphase windings being connected only each to the other.

2,413,029
CHEMICAL FEEDING APPARATUS
Artie F. McFarland, Houston, Tex., assignor, by direct and mesne assignments, to McFarland Manufacturing Corporation, Houston, Tex., a corporation of Texas
Application November 8, 1941, Serial No. 418,338
18 Claims. (Cl. 103—50)



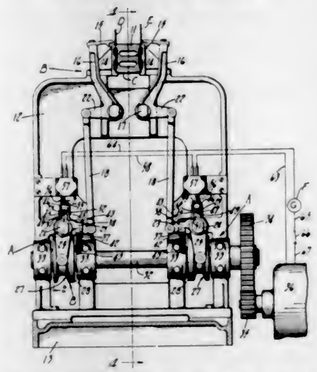
1. In a device of the character described, a single cylinder providing a feed reservoir, a single piston movable in said cylinder in one direction to feed a fluid from said cylinder and in another direction to refill said reservoir, means for applying fluid under pressure to the opposite side of said piston from the fluid to be fed to move said piston on its feeding stroke, a piston rod extending from said piston through the portion of said cylinder adapted to receive the fluid to be fed, means to apply fluid pressure directly and solely against the free end of said piston rod to move the piston in a direction to refill said cylinder with fluid to be fed, and means carried by said piston for changing the application of fluid pressure from said piston to said piston rod when the piston nears the end of its feeding stroke and from said piston rod to said piston when the piston nears the end of its refilling stroke whereby said piston will be moved first in one direction and then in the other.

2,413,030
CORD CONNECTOR FOR TELEPHONE INSTRUMENTS
Ernest S. McLarn, Manhasset, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 11, 1942, Serial No. 468,605
8 Claims. (Cl. 179—101)



1. A telephone transducer comprising a supporting shell, a transducer element, a cavity in said shell for accommodating said transducer element, a cover for the cavity, a conductor cord comprising a plurality of parallel conductors, means for positioning said cord at the bottom of said cavity, a detachable connector block having mounted thereon connector members formed with sharp prongs and also having mounted thereon yielding contacts shaped so as to make contact with the electrode terminals of the transducer element when the latter is inserted in said cavity, electrical connections between said connector members and said yielding contacts, and means including the cover for forcing the said prongs of said connector members into said cord to automatically make electrical contact between said electrode terminals and said conductors when said transducer element is seated in said cavity and for holding the yielding contacts against the electrode terminals.

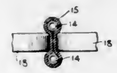
2,413,031
CONTROL DEVICE
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 14, 1943, Serial No. 514,253
5 Claims. (Cl. 93—49)



1. In a container body forming machine, the combination of a horn, a movable finger for bending a portion of a container body blank on said horn, an actuating member for moving said finger, a driving member resiliently connected

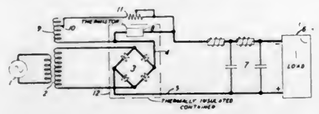
with said actuating member for operating it, said driving member being resiliently movable relative to said actuating member only when a body on said horn becomes jammed and stops further movement of said finger, machine operating means for said driving member, a stop element carried on one of said members and engageable with the other member and slidably movable by the latter when the members shift relative to each other, and means operable by said stop element when it shifts to stop said machine operating means.

2,413,032
ELECTRICITY CONDUCTOR UNIT
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application January 30, 1942, Serial No. 428,808
5 Claims. (Cl. 174—117)



1. An insulated electrical conductor strip, comprising a plurality of bare conductors disposed in spaced relation within a seamless casing of rigid insulation material of substantially uniform wall thickness throughout, a portion of said casing wall between the spaced conductors being offset and in fixed juxtaposition with the opposite wall portion to constitute a substantially closed, rigid web for maintaining uniform spaced relationship between the conductors.

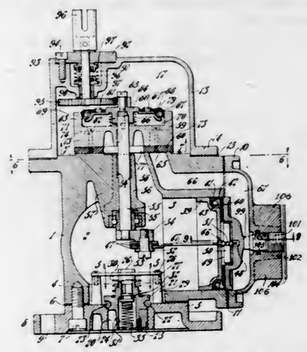
2,413,033
VOLTAGE REGULATED RECTIFYING SYSTEM
James A. Potter, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 29, 1942, Serial No. 452,728
10 Claims. (Cl. 175—363)



1. In combination a rectifier having input terminals to which a source of alternating voltage may be connected and output terminals, means for regulating the voltage of the rectified current delivered from the output terminals of the rectifier to a pair of load terminals including a thermistor connected in series between one of the output terminals and one of the load terminals to set up a potential difference between the terminals which varies inversely with the load current traversing the thermistor, and means energized by an external source to heat the thermistor to a sensitive point on its resistance-temperature characteristic.

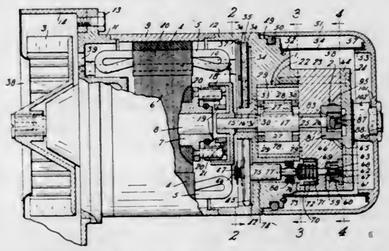
2,413,034
FLUID METER
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application June 2, 1944, Serial No. 538,485
9 Claims. (Cl. 73—247)

2. In a fluid meter, a casing having a plurality of cylinders radiating from a central chamber, a plurality of pistons one in each cylinder, a crankshaft mounted centrally in one wall of said chamber with its axis at right angles to the axes of said cylinders, a crank on the inner end of said shaft, connecting rods between said pistons and crank, there being lost motion in the connections between said crank and one of the pistons, a calibration stop adjustably mounted in the outer end of the cylinder containing the last-named piston and located in the path thereof; said casing having an inlet passage opening into said chamber, an outlet chamber and an outlet passage leading out of said central chamber through said wall; a valve on the outer end of said shaft



and seating on said wall, said casing having passages one for each cylinder each leading from the outer end of its cylinder to and terminating with a port in said wall, said ports adapted to be connected successively by said valve to said outlet passage and subsequently to said outlet chamber, said valve having a cylinder therein, a piston in said last-named cylinder fixed to said crankshaft and subjected on its inner face to the high pressure in said central chamber and on its outer face to the lesser pressure in said outlet chamber, and bearings in said casing for said shaft including an anti-friction bearing to take the unbalanced thrust on said crankshaft.

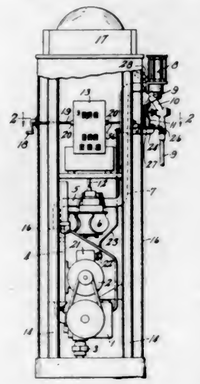
2,413,035
FLUID SUPPLY APPARATUS FOR BURNERS
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application September 16, 1944, Serial No. 554,367
5 Claims. (Cl. 230—139)



1. In apparatus of the class described, a body member having in one end a cylindrical pump chamber with an inlet and an outlet conduit therefor and in the other end a coaxial bearing, a pump rotor in said chamber, a shaft in said

bearing for driving said rotor, said member also having between the second end and said pump chamber a cylindrical chamber with one end wall thereof in parallel closely-adjacent and partially overlapping relation with the adjacent end wall of the pump chamber one of said conduits interconnecting said chambers through the overlapping portions of said adjacent end walls.

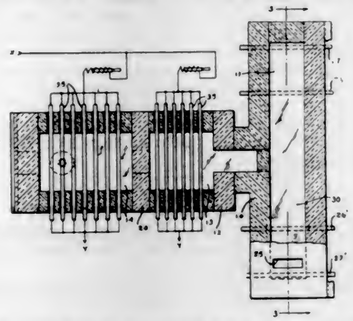
2,413,036
FLUID DISPENSING APPARATUS
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application March 31, 1945, Serial No. 585,919
10 Claims. (Cl. 222—74)



1. In fluid dispensing apparatus, having a dispensing conduit including a flexible hose and means for creating a flow of fluid through said conduit, a support for the hose when not in use, said support being movable back and forth in one path between two positions and adapted when in one such position to start the flow-creating means and when in the other such position to stop such means, said support being held by the hose when supported thereon in flow-stopping position, said support being movable back and forth in another path between a first and a second terminal position, yieldable means for moving the support to and holding it in said first terminal position, means operable when the support is in said first terminal position to prevent its movement in the first-named path, and yieldable means operable when the support is manually moved to said second terminal position and relieved of the hose to move the support to flow-starting position.

2,413,037
ELECTRIC GLASS MELTING FURNACE
Charles F. De Voe, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application September 18, 1943, Serial No. 503,006
12 Claims. (Cl. 13—6)

1. A relatively long and narrow glass melting tank, pairs of electrodes passing transversely through tank ends below the normal glass level therein, a cover for said tank having batch feed openings through which glass batch introduced is deposited between electrodes of the respective pairs, means for creating a high density current through glass between the respective pairs of electrodes, and means for creating a low density current through the glass occupying the space be-

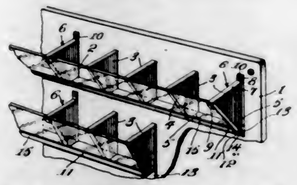


tween oppositely disposed electrodes of the respective pairs.

2,413,038
STABILIZED ACETALDEHYDE AND METHOD
Joseph Gray Dinwiddie, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 20, 1943, Serial No. 499,405
5 Claims. (Cl. 260—601)

1. A method for inhibiting polymerization of acetaldehyde during storage and distillation which comprises incorporating in an acetaldehyde-containing solution a small amount of a metal resinate soluble in said solution.

2,413,039
GLASS RACK CONSTRUCTION
Sam R. Edins, Abilene, Tex.
Application November 14, 1944, Serial No. 563,374
4 Claims. (Cl. 211—90)

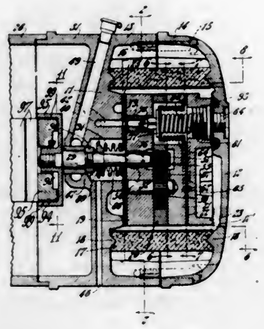


1. A display and storage rack and bin construction comprising a transparent front wall, a panel, adjustable partitions between the front wall and panel, upper clamping straps secured to the panel and including depending fingers engaging the front wall and a base molding secured to the panel and having a floor part, and a clamping flange engaging the lower edge of the front wall.

2,413,040
FUEL PUMPING UNIT
Donald C. Elliot, West Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application May 18, 1944, Serial No. 536,224
4 Claims. (Cl. 103—42)

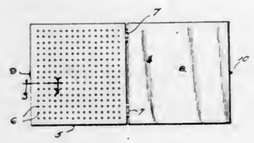
1. In a fuel supply unit for oil burners, a pump, a motor for driving the same; a pressure-regulating valve including a chamber with an inlet

connected to the discharge side of the pump and an outlet, a valve controlling said outlet, a wall partitioning said chamber so that the inlet and outlet lie on one side of said wall, said wall being movable by the pumped oil when the latter attains a predetermined pressure to open said valve, a spring acting on the other side of the movable wall to close the valve when the pressure of the



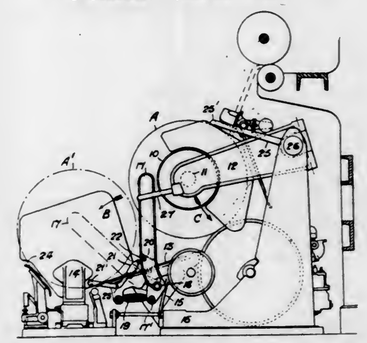
oil is less than the predetermined pressure, leakage through said wall causing oil pressure to act equally on opposite sides of the movable wall whereby the valve will close by its spring, and a safety device in the drive between the motor and pump for limiting the pressure that can be built up by the pump in the event of leakage through said wall.

2,413,041
STRETCHER FOR CROCHET MATS
Albert C. Ferguson, Jacksonville, Fla.
Application January 11, 1944, Serial No. 517,844
2 Claims. (Cl. 45—24)



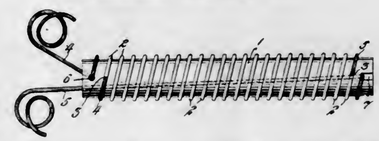
1. A stretcher of the character described comprising a rectangular stretcher board of a size greater than the article to be stretched and having numerous similar uniformly spaced stretcher pin-receiving openings therethrough substantially throughout the area thereof, individual stretcher pins for selective reception in desired ones of the openings of the stretcher board and having heads to prevent passage of the pins entirely through the board, and a cover board of similar size and shape as that of the stretcher board hinged at one edge to one edge of said stretcher board for folding onto the latter and engageable with the heads of pins positioned in the openings of the stretcher board for retaining the latter in place against loss when the device is not in use, and means to releasably retain the cover board in folded position upon the stretcher board.

2,413,042
SLIVER ROLL FORMING AND DELIVERY APPARATUS
Gordon Scott Fraser, Arbroath, Angus, Scotland, assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland, a corporation of Great Britain and Northern Ireland
Application February 5, 1946, Serial No. 645,637
In Great Britain December 27, 1944
3 Claims. (Cl. 19—158)



1. In sliver roll forming and delivery apparatus the combination with a receiver, and an inclined track down which the completed roll travels to the receiver, of guide members spaced apart a distance slightly exceeding the width of said track, said guide members including normally upstanding lever arms, and a cross-stay bridging said arms and extending above said track in the path of the roll, so as to move with the roll and thereby rock said arms in the direction towards said receiver.

2,413,043
RESISTIVE DEVICE AND METHOD OF MAKING
Charles J. Ganci, Ridgewood, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application August 14, 1943, Serial No. 498,651
6 Claims. (Cl. 201—63)

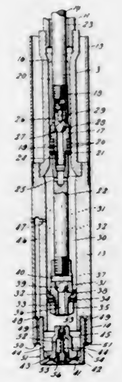


1. A resistive device comprising an insulating support, a solid resistive conductor carried thereby, and a lead of a stranded conductor joined thereto, the end of the stranded conductor having a fused solid end butting against the end of the solid conductor and fused thereto in a solid joint of a size approximately equal to that of the larger of the two conductors.

2,413,044
GREASE PUMP
Alfred L. Grisé, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application June 11, 1945, Serial No. 598,776
4 Claims. (Cl. 103—203)

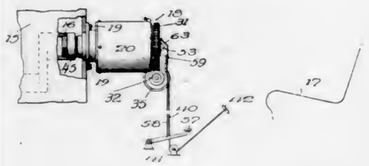
1. A pump, comprising, a pump cylinder, a priming cylinder having its outlet end connected

to the inlet end of the pump cylinder, an inlet valve opening into the other end of the priming cylinder, interconnected pistons one in each cylinder, each piston having a passage interconnecting opposite sides thereof, a valve for each passage, each valve closing on the delivery stroke of its piston and opening on the return stroke to



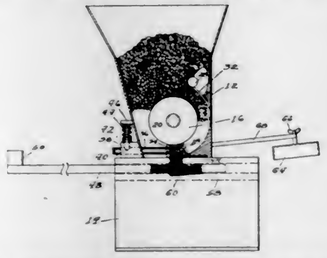
permit grease to be transferred from the suction to the discharge side of its piston, the effective area of the priming cylinder being greater than the effective area of the pump cylinder, and a by-pass of relatively small area extending from the outlet part of the priming cylinder in a direction parallel with the axis of the priming cylinder to the intake end thereof.

2,413,045
ENGINE STARTING MECHANISM
Harold D. Hoekstra, Rockville, Md.
Application February 19, 1941, Serial No. 379,705
1 Claim. (Cl. 185—39)



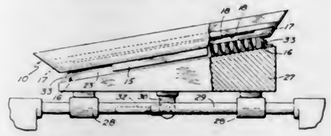
A spring motor, means to store energy in the motor including a worm and worm wheel, the teeth of the said worm and worm wheel having faces on one side inclined at a greater pressure angle than the faces on the opposite side of the said teeth, the said worm being pivotally mounted with the pivot axis substantially parallel to the axis of the said worm wheel and located in close proximity to the projection of a line passing through the pitch circle of the said worm wheel normal to the teeth faces having the lesser pressure angle and at the point of worm and worm wheel contact so as to permit relative translation between said worm and worm wheel substantially parallel to one pair of mating tooth faces and at an appreciable angle to the adjacent pair of mating tooth faces.

2,413,046
HAMBURGER PATTY MAKER
Harry H. Holly, Chicago, Ill., assignor to Holly Molding Devices, Chicago, Ill., a partnership
Application May 1, 1944, Serial No. 533,587
25 Claims. (Cl. 17—32)



2. A hamburger patty maker comprising a hopper for ground meat, a preliminary feeding element in the hopper, a main feeding element also in the hopper adjacent the preliminary feeding element, a slide plate having an opening therein reciprocatively mounted below the hopper, means for allowing meat under pressure from the main feeding element to pass from the hopper into the opening in the slide plate, and means for applying additional pressure to the meat until the opening in the slide plate is filled, said last means comprising a retractable plate mounted adjacent the main feeding element.

2,413,047
BULLET ORIENTING SHAKER
Walter D. Huddleson, South Lebanon, and Theodore J. Homan, Cincinnati, Ohio, assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application May 16, 1944, Serial No. 535,866
6 Claims. (Cl. 86—23)

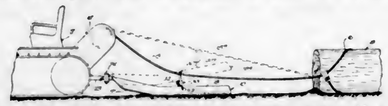


1. A device for orienting articles of substantially equal length and having one tapered end comprising a member provided with a planar surface having article supporting apertures therein; hopper means supported immediately above said planar surface to feed articles to the apertures of said member; means to lock said hopper means to the apertured member; a gauge plate comprising a smooth unyielding surface; and members carried by said hopper means to fixedly support the surface of said gauge plate a predetermined distance above said apertured surface to enable articles thereon to tip up and to drop down into said apertures tapered end down only.

2,413,048
LOGGING APPARATUS
Jesse L. Hurd, Pierce County, Wash.
Application September 19, 1945, Serial No. 617,315
8 Claims. (Cl. 214—65.3)

1. Logging apparatus adapted for use with a tractor having a drawbar and a winch with a dragline connected thereto and comprising, in combination, a logging pan of generally triangu-

lar shape and having a narrow front end curved upwardly and a relatively wide back end, a centrally disposed opening in the front end, a coupling comprising a universal joint and having a loop at one end extending through said central opening for connecting the pan in closely coupled relationship to the drawbar, a pair of laterally



separated lugs extending upwardly from the upper surface of the pan near the rear end thereof, and a bridle having a centrally disposed yoke with a hook extending therefrom and flexible means connecting the ends of the yoke to said lugs, said hook being adapted for releasable connection to the dragline for swinging the pan upwardly about said coupling.

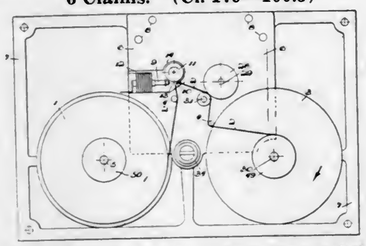
2,413,049
METHYL SILICON HALIDES AND THEIR PRODUCTION
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application July 3, 1942, Serial No. 449,669
7 Claims. (Cl. 260—607)

1. The method of preparing methylsilicon chlorides which comprises reacting a methyl magnesium halide with silicon tetrachloride in a mutual solvent and fractionally distilling the liquid reaction product to recover methylsilicon chlorides.

2,413,050
ALKYL SILICON CHLORIDES AND THEIR PREPARATION
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application April 21, 1945, Serial No. 589,689
5 Claims. (Cl. 260—607)

1. A composition of matter having the general formula $RSiCl_3$ wherein R is an alkyl radical having from 10 to 31 carbon atoms.

2,413,051
HORIZONTALLY AND VERTICALLY ADJUSTABLE PHOTOELECTRIC SOUND HEAD
Miguel Martinez Iborra, Buenos Aires, Argentina, assignor to Fonoband Sociedad Anonima Fonoimpresiones Sobre Bandas De Papel, Buenos Aires, Argentina, a corporation of Argentina
Application February 24, 1944, Serial No. 523,713
6 Claims. (Cl. 179—100.3)



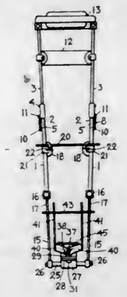
1. In a system for reproducing sound from a record impressed flexible tape having a sound

track, a supporting frame, a loading reel and a take-off reel, a first vertical pin whereon said loading reel is freely mounted, a second vertical pin whereon said take-off reel is fixedly mounted, said pins being mounted vertically on said frame, a record impressed tape having a sound track and being carried on said reels, path defining means defining a tape path from said loading reel to said take-off reel, a reproducing unit plate, an exciter lamp source, a photo-electric cell, a reflecting guide element, said source, said cell, and said guide element being fixedly mounted on said reproducing unit plate as an integral unit, said reflecting guide element being positioned on said plate to guide said tape over said guide element with the sound track on said tape in position to reflect the incident beam from said source as a reflected beam upon said cell, and mounting means for controllably displaceably mounting said plate on said frame in such manner as to be readily removable therefrom as a unit, said mounting means comprising means for controllably displacing said plate horizontally on said frame, and means for controllably displacing vertically said reproducing unit plate.

2,413,052
METHOD FOR PREPARING ROSIN HYDROCARBONS
Nicholas L. Kalman, Rutherford, N. J., assignor to Ridbo Laboratories, Inc., Paterson, N. J., a corporation of New Jersey
No Drawing. Application September 21, 1943, Serial No. 503,307
8 Claims. (Cl. 260—106)

1. A process for deriving rosin hydrocarbons from acidic rosin materials, which process comprises heating the acidic rosin material in the presence of from about 0.5% to about 20% of sulfur at a temperature between about 100° C. and about 250° C., and thereafter decarboxylating the sulfur-treated material by application of heat at a decarboxylation temperature above about 250° C., the heating being continued at said decarboxylation temperature until the sulfur-treated material is extensively decarboxylated.

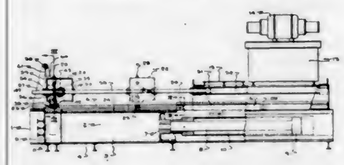
2,413,053
TRACTION SPLINT
John Kolarik, Brooklyn, N. Y.
Application December 15, 1944, Serial No. 568,268
3 Claims. (Cl. 128—84)



1. A traction splint comprising a pair of upper braces; means to removably attach the braces to a patient's thigh; a pair of tubular lower braces pivotally connected to the lower ends of the upper braces; metal bands slidably supported on the lower braces; means to detachably fasten the

bands to the braces, the bands being provided with holes for a traction pin; extensions telescopically fitted in the lower braces; means to lock the extensions in the lower braces; a rod transversely supported at the lower ends of the extensions; a lower plate rotatively supported on the rod; an upper plate adjustably supported on the lower plate; a foot plate adjustably supported on the upper plate; and side bands adjustably supported on the upper plate in a plane at a fixed angle to the plane of the foot plate and provided with a plurality of holes for a second traction pin, the side bands being arranged to be held at the sides of the patient's legs the position of the foot plate being adjustable simultaneously with the position of the second traction pin by adjusting the telescopic extensions.

2,413,054
SCRAP METAL BALING PRESS
George W. Langford and Alford C. Barrows, Ann Arbor, Mich., assignors to Economy Baler Company, Ann Arbor, Mich., a corporation of Michigan
Application April 25, 1941, Serial No. 390,239
14 Claims. (Cl. 78—0.5)



1. A press of the character described comprising a compressing chamber, said chamber having a material receiving opening at one side thereof, a rigid cover for said opening, means to support said cover at one side of said opening and in general alignment therewith, means to traverse said cover across said opening into closed relation with the same, said first means supporting said cover while being traversed across said opening in inclined relation to said chamber with its forward part disposed relatively outwardly of said chamber from its rear part, means to move said forward part of said cover relatively inwardly of said chamber into alignment, relatively to said chamber, with said rear part of said cover when said cover is in closed relation to said chamber, platen means in said chamber, and means to move said platen means to compress material in said chamber.

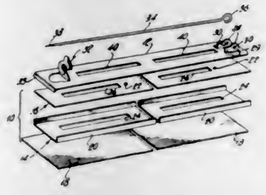
2,413,055
PROCESS FOR THE PREPARATION OF RIBOFLAVIN CONCENTRATES
Abraham Leviton, Washington, D. C., assignor to the United States of America, as represented by the Secretary of Agriculture
No Drawing. Application March 29, 1943, Serial No. 480,951
10 Claims. (Cl. 167—81)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of preparing a riboflavin concentrate which comprises forming an aqueous solution of a riboflavin-containing substance in a proportion such that the concentration of riboflavin in said solution exceeds 5 micrograms per milliliter of water, adding sufficient lactose to said solution to obtain a concentration of lactose in excess of 0.18 grams per milliliter of water but not in excess of the concentration defined by the following formula

$$s=\frac{c+13}{100}$$

where s is the concentration of lactose which must not be exceeded, in grams per milliliter of water, and c is the concentration of riboflavin in said solution, in micrograms per milliliter of water, cooling said solution to a temperature of about 5° C., crystallizing lactose from said solution until crystallization is substantially complete, and then recovering the crystallized lactose, whereby a riboflavin concentrate is obtained comprising crystalline lactose having riboflavin adsorbed throughout the crystalline mass in the proportion of not less than 100 micrograms of riboflavin per gram of lactose.

2,413,056
DECORATIVE BAR PIN
Joseph I. Levyn, Brooklyn, N. Y., assignor to Jilko Service Products, New York, N. Y., a copartnership
Application June 19, 1944, Serial No. 540,992
9 Claims. (Cl. 40—1.5)

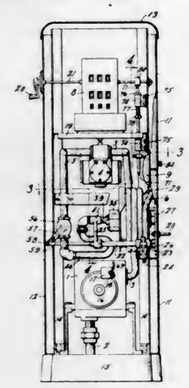


2. A decorative article comprising a base and a decorative unit carried by said base, said unit comprising an outer plate, an inner plate overlying the rear face of said outer plate, side flanges on said outer plate, a facing material overlying the front face of said outer plate and extending over said flanges and between said plates, said flanges extending rearwardly and inwardly from said outer plate to confine the inner plate therebetween with said facing material gripped between said flanges and the edges of said inner plate, said flanges terminating in free edges spaced a substantial distance from said inner plate, whereby said flanges define a dovetail channel which receives said base in endwise, sliding, frictional engagement, said base carrying an attachment pin and a keeper therefor.

2,413,057
LIQUID MEASURING AND DISPENSING APPARATUS
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application July 21, 1944, Serial No. 545,893
6 Claims. (Cl. 222—74)

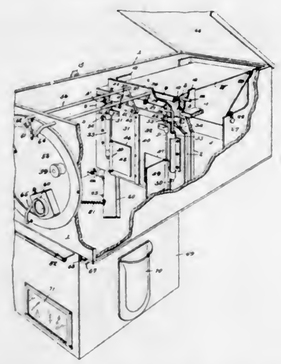
1. In a liquid dispensing apparatus having a dispensing conduit including a flexible hose, means for forcing liquid through said conduit, a meter interposed in said conduit to measure the liquid dispensed, a register driven by the meter to indicate the measured quantities dispensed, and a casing for housing the aforesaid elements, a

door in said casing, a carriage connected to the door and mounted to move laterally into and out of the casing when the door is respectively closed



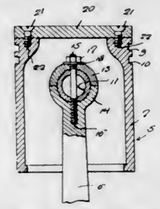
and opened, means on said carriage for carrying said hose, means for resetting said register, and means preventing actuation of said resetting means while said door is open.

2,413,058
MULTISHUTTER CAMERA
James Allen London, Los Angeles, Calif.
Application October 9, 1944, Serial No. 557,859
12 Claims. (Cl. 95—38)



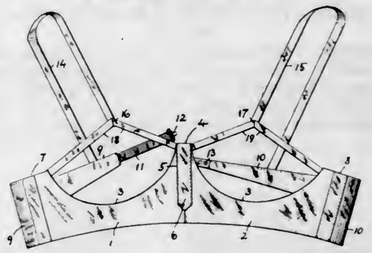
1. Photographic apparatus including a casing having a front compartment, a back compartment and a partition therebetween having an opening, means for feeding sensitized material across the back of the opening, a main shutter for closing the opening, said shutter having a smaller opening, a supplemental shutter on the main shutter normally closing the smaller opening, a lens supported for movement in a circle to a selected position relative to the casing to align its optical axis with the smaller opening and, to a second position, to project an image onto the film when the main shutter is opened, tripping means movable in a circular path with the lens, and separate means operatively connected to the respective shutters and controlled by said movement of the lens and the tripping means for opening the shutter of the opening aligned with the lens when in said position.

2,413,059
PISTON AND CONNECTING ROD THEREOF
Richard C. Luedtke, Glen Burnie, Md.
Application August 3, 1944, Serial No. 547,901
1 Claim. (Cl. 309—19)



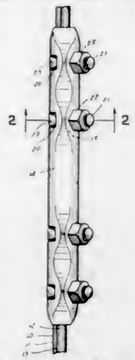
In a piston and connecting rod construction, a piston having a head and a skirt integral therewith, said piston having aligned wrist pin openings therein intermediate said head and skirt, a wrist pin seated in said openings, a connecting rod extending into said skirt of the piston, a bearing on the end of said rod, said bearing receiving said wrist pin, said bearing comprising two mating sections, one of said sections being integral with said connecting rod and the other of said sections being detachable from the rod, said detachable section and wrist pin having aligned openings registering with a screw socket arranged axially of said connecting rod in the end of said connecting rod, and a rod screw-threaded at each end and passing through said openings diametrically of a cross section of said wrist pin, and said screw-threaded rod having one of its ends passing into said screw socket, and the other end carrying a nut which bears against said detachable section for holding said section in position against said wrist pin.

2,413,060
BUST SUPPORT
Werner S. Maas, New York, N. Y.
Application August 19, 1944, Serial No. 550,287
1 Claim. (Cl. 2—42)



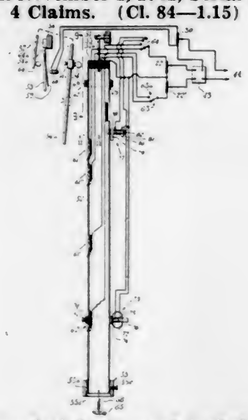
A brassière comprising in combination, two breast supports connected at their adjoining ends, fastening tabs extending from the outer ends of said supports, each breast support being a plain strip of fabric cut half-moon fashion in such a manner that the narrow middle portion of each strip is only high enough to lift the breast from below leaving the nipple and the upper half of the breast uncovered, pairs of connecting straps meeting at a large angle and fixed to the top edges of the cut-out portions of said supports, and shoulder straps extending from said fastening tabs to the meeting points of said connecting straps and tending to pull the ends of each breast support strip toward each other so as to cause said strip to bulge and form a pocket applying itself to, and lifting, the lower breast portion.

2,413,061
TROLLEY WIRE CONNECTOR
Paul H. McKee and Clay V. Siler, Terre Haute, Ind.
Application July 21, 1944, Serial No. 545,908
3 Claims. (Cl. 191—44.1)



1. A connector for grooved trolley wires comprising an elongated body portion having a channel coextensive therewith in the under surface thereof for freely receiving the upper portion of the wire therein, said body portion of the connector being provided with a series of openings extending at an angle therethrough from the upper surface on one side to the lower surface on the opposed side, a draw bolt extending through each of said angularly disposed openings slidable therein having a hook-like clamping portion extending into said channel for clamping engagement under the upper portion of the wire extending therethrough, and a nut having threaded engagement with the opposite end of said draw bolt in engagement with the angular upper surface of said body portion to draw said bolt upwardly at an angle to clamp the wire within said channel.

2,413,062
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Harding Township, Morris County, N. J., assignor to Miessner Inventions, Inc., Harding Township, Morris County, N. J., a corporation of New Jersey
Application November 1, 1941, Serial No. 417,468
4 Claims. (Cl. 84—1.15)



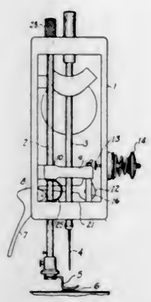
1. In a musical instrument including a beam vibrator arranged for vibration: a weight for altering the ratios between lower partial frequencies in said vibration, a longitudinally restricted portion of said weight being provided with an aperture fitting and securable around said vibrator, and the balance of the weight being provided with a larger aperture whereby to avoid contact with the vibrator.

2,413,063
MEASURING SYSTEM AND TRIANGULAR WAVE GENERATOR FOR USE THEREIN
William A. Miller, Port Jefferson Station, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1942, Serial No. 448,804
11 Claims. (Cl. 315—24)



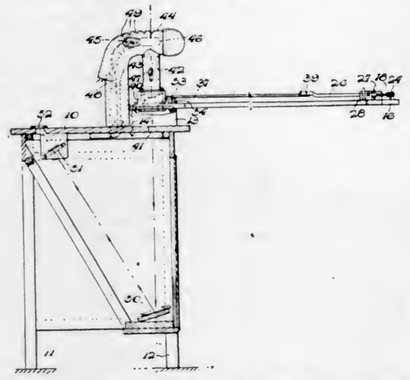
1. The method of comparing the time relations of a pair of voltages which comprises drawing from a point of origin a visible straight line trace in one direction, influencing said trace during its travel in said one direction by one of said voltages, returning said visible trace in a straight line to its point of origin, and influencing said trace during its return movement by said other voltage.

2,413,064
SEWING-MACHINE ACCESSORY
James Wilson Murphy and John Philip Murphy, Akron, Ohio
Application December 4, 1945, Serial No. 632,699
5 Claims. (Cl. 112—236)



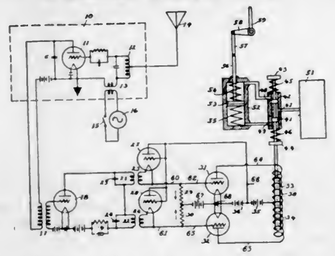
1. In a sewing machine which comprises a presser foot, an automatic work feed, a cam and lever for operating the presser foot, and a housing which encases at least a large part of the upper portion of the presser-foot shaft, a stop member between the bottom of the housing and a member fastened to the presser-foot shaft near the bottom of the housing, which stop member is ineffective when the presser-foot lever cam is raised but limits the downward movement of the presser-foot shaft when the presser-foot lever cam is lowered so that the pressure of the presser foot against the automatic feed is reduced.

2,413,065
MEASURING APPARATUS
John C. Naegele, Upper Darby, Pa., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 28, 1944, Serial No. 542,461
4 Claims. (Cl. 33—148)



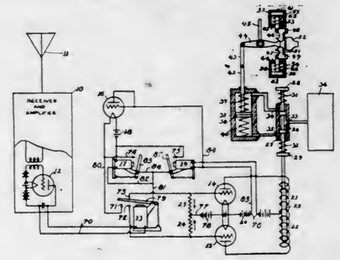
1. Measuring apparatus for checking small diameters to close tolerances comprising a support having an extending arm attached thereto, a pair of spaced apertures formed in said support, a pair of anvils between which an object to be measured is insertable, one of said anvils being normally fixed relative to said arm, a pointer pivotally mounted on said arm and having the movable anvil secured to one end thereof and arranged so that the free end of the pointer moves over and relative to one of said apertures and has a relatively large motion for a relatively small motion of the movable anvil, a screen arranged over the other of said apertures for representing pointer motion thereon, means comprising a source of light rays mounted on said support and over the free end of said pointer to cast an image of said pointer through said first aperture, and means comprising a lens in the line of sight of said first aperture for receiving an image of the free end of said pointer and transmitting such image in amplified form onto said screen.

2,413,066
TORPEDO CONTROL BY MULTIPLE CHANNEL SELECTOR
Ellison S. Purington, Gloucester, Mass., assignor to United States of America, as represented by the Secretary of the Navy
Application November 6, 1935, Serial No. 48,582
4 Claims. (Cl. 172—282)



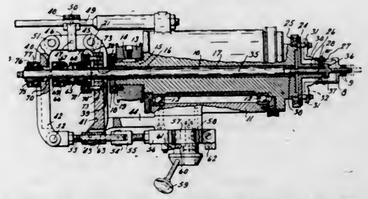
2. In a remote control system, a means for receiving and amplifying radiant energy of more than one frequency, a plurality of circuits tuned to said frequencies and connected to be energized in response to received energy, a plurality of primary space discharge devices, the heating elements of which are energized from said tuned circuits, a plurality of resistances through which flow currents controlled by said primary space discharge devices, a plurality of secondary space discharge devices having control elements, the potentials on which are determined by the currents flowing through said resistances, a control device operated by the outputs of said secondary space discharge devices, and a steering mechanism operated by said control device.

2,413,067
TORPEDO CONTROL BY TIMING SELECTOR
Ellison S. Purington, Gloucester, Mass., assignor to United States of America, as represented by the Secretary of the Navy
Application November 6, 1935, Serial No. 48,583
5 Claims. (Cl. 172—282)



4. In a self propelled body, a rudder, means for operating said rudder comprising a pair of solenoids, space discharge devices, having control elements, associated with said solenoids, means for varying the potential on said control elements, including two resistances, and a secondary space discharge device having a time interval characteristic, a relay for causing the output of said secondary space discharge device to flow through either one of said resistances, and means responsive to radiant energy for operating said relay, for a short or long interval of time.

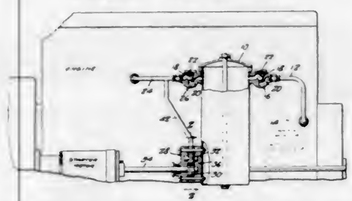
2,413,068
DIAPHRAGM CHUCK
Roger S. Pyne, Longmeadow, Mass., assignor to Van Norman Company, Springfield, Mass., a corporation of Massachusetts
Application February 14, 1945, Serial No. 577,881
2 Claims. (Cl. 279—2)



1. A chuck comprising a plurality of stiffly flexible fingers arranged in a circular series, means engaging the ends of said fingers to simultaneously flex the fingers toward each other to permit an annular workpiece to be telescoped thereover, adjustable members engaging an end face of the annular workpiece and defining the position of the workpiece axially of the fingers, said fingers when released by said flexing means making a

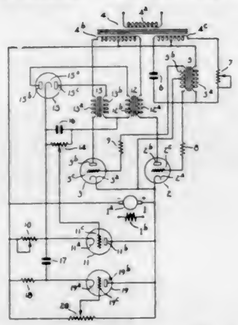
stressed engagement with the inner annular face of the workpiece, a pressure member spring pressed axially of the fingers toward said end engaging members, and a collar insertable between said pressure member and the opposite face of the workpiece to exert an endwise gripping force on the workpiece.

2,413,069
LUBRICATION
Fred E. Reagan, Knoxville, Tenn.
Application October 23, 1943, Serial No. 507,445
1 Claim. (Cl. 123—196)



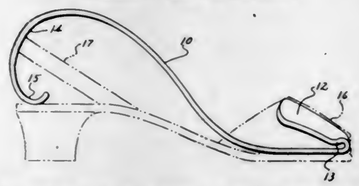
In an internal combustion engine, the combination of an oil filter chamber, an engine oil pump having an outlet conduit communicating with the upper part of said chamber, said outlet conduit and engine oil pump extending downwardly from the point of communication, a starter motor, an auxiliary pump having communication with the lower part of said chamber to receive lubricant by gravity therefrom, said auxiliary pump being connected for operation by said starter motor, a second conduit connected to the upper part of said chamber and leading to the oiling system of the engine, a third conduit leading from said auxiliary pump to said second conduit, and a check valve interposed in said second conduit between said third conduit and the oil chamber and opening only in response to oil under pressure from said first mentioned pump.

2,413,070
ELECTRONIC MOTOR CONTROL
James B. Reeves, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 12, 1944, Serial No. 544,541
5 Claims. (Cl. 172—239)



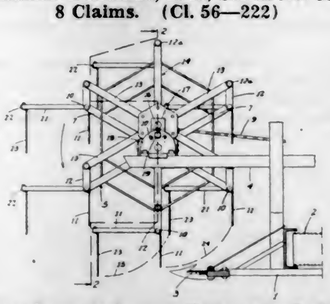
1. In a dynamic braking system, the combination with an alternating current source, a direct current dynamo electric machine having an energizing winding, and a unilaterally conducting device connected between said source and said winding to conduct current from the former to the latter, of an impedance and an electron tube having a control electrode connected in series with each other in a circuit paralleling said winding, a transformer having a primary winding connected in circuit with said device and said source, and also having a secondary winding, a rectifier connected between said secondary transformer winding and said control electrode to impress upon said control electrode a unidirectional voltage resulting from the potential induced in said transformer secondary winding by the current in said transformer primary winding, to render said tube conducting upon decrease of said current below a critical value.

2,413,071
SHOE PRESERVER
Mildred H. Rice, Pasadena, Calif.
Application August 6, 1945, Serial No. 609,137
1 Claim. (Cl. 12—128.1)



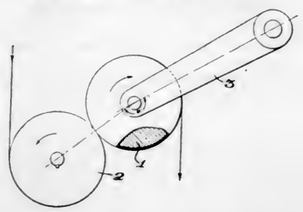
A tree for a shoe having a toe and heel strap, comprising a one-piece strip of resilient material curving downwardly from its heel end to engage the heel, thence outwardly and upwardly to engage the strap, thence downwardly and forwardly to the toe and thence backwardly and upwardly to engage the upper inner portion of the toe of the shoe, said backwardly curved portion of the strip being arched in cross-section and relatively wider than the adjacent strip portion whereby to provide resilient lateral portions engageable against the inner surface of the sides of the toe portion of the shoe.

2,413,072
PICKUP REEL FOR HARVESTERS
Harry C. Sage, Stockton, Calif., assignor to Thompson Sage, Inc., Stockton, Calif., a corporation of California
Application March 12, 1945, Serial No. 582,256
8 Claims. (Cl. 56—222)



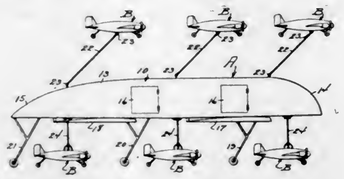
1. A pick-up reel comprising a reel structure having a plurality of circumferentially spaced, turnably supported rods, a tine assembly mounted in connection with each rod, each tine assembly including a leading and a trailing row of projecting tines, and control mechanism operative upon rotation of the reel to relatively turn the rods so as to maintain the rows of tines dependent at the bottom portion of the reel.

2,413,073
STRETCHING ROLLS
Arthur M. Saum, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 26, 1945, Serial No. 607,234
4 Claims. (Cl. 28—71.3)



1. In combination, a driven roll positively driven about a fixed axis, a pinch roll in contact with said driven roll and freely rotatable on an axis parallel to the fixed axis of the driven roll, said pinch roll being mounted on the free end of a swing arm which is pivoted at the opposite end, the pivot point of said swing arm being fixed and so located that the obtuse angle formed by the straight line connecting the centers of the two rolls in operative contacting position and the straight line connecting the center of the pinch roll and the pivot point of said arm is within the range of from 165° to just short of 180°.

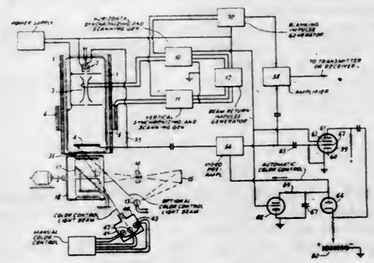
2,413,074
MASTER CARRIAGE WITH AIRPLANES FOR SUSTAINING SAME
John O. Savage, Washington, D. C.
Application November 20, 1943, Serial No. 511,128
1 Claim. (Cl. 244—2)



An airplane carrier comprising a body adapted to be supported and conveyed by an airplane, said body having a flat lower face, glider wings carried by the lower face of the body and extending beyond the sides thereof, a series of rigid spaced landing gears carried by the lower face of the body, and airplanes rigidly supported by the lower face of the body and having their landing gears in the same horizontal plane with those of the body.

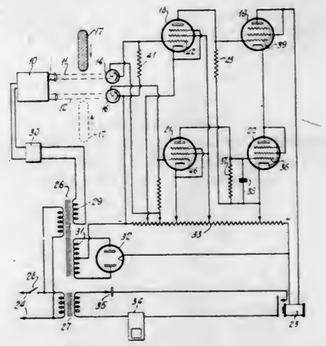
2,413,075
METHOD AND SYSTEM FOR DEVELOPING TELEVISION SIGNALS
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application January 31, 1941, Serial No. 376,770. Divided and this application May 27, 1942, Serial No. 444,651
45 Claims. (Cl. 178—5.4)

1. A television transmitting system for developing signals representative of colored optical images including a transmitting tube having a light responsive electrode, an optical system for projecting an optical image upon the light responsive electrode along an optical axis, a plurality of differently colored light filters, means for successively interposing the light filters in the optical axis to sequentially subject said electrode to differently colored components of said image



in natural color, and a plurality of sources of light each of a different color positioned to project light through the filters onto a portion of the light responsive electrode to provide color reference signal values corresponding to each of said different colors.

2,413,076
RADIATION SENSITIVE RELAY SYSTEM
John R. Schick, Santa Ana, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application May 11, 1943, Serial No. 486,517
5 Claims. (Cl. 250—41.5)



3. A system for detecting the direction of movement of an opaque mass comprising a pair of photoelectric cells, a light source for directing light onto said cells, a pair of electronic devices each having a cathode, an anode and a control electrode, means including a source of biasing potential connecting one of said photoelectric cells to the control electrode of one of said electronic devices to bias the same to cutoff when said photoelectric cell is illuminated, means including a source of biasing potential connecting the other of said photoelectric cells to the control electrode of the other of said electronic devices to bias said other electronic device to cutoff when light impinging on said other photoelectric cell is interrupted, electrically operated indicating means connected in series with the anode to cathode paths of said devices, said series connection including a source of anode voltage.

2,413,077

d(+)-ALPHA, GAMMA - DIHYDROXY - BETA, BETA - DIMETHYL - BUTYRIC - ACID - (HYDROXY-ALKYL)-AMIDES AND PROCESS FOR THE MANUFACTURE OF SAME

Otto Schnider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application May 8, 1943, Serial No. 486,270. In Switzerland May 8, 1942

6 Claims. (Cl. 260—561)

1. d(+)-α,γ-Dihydroxy-β,β-dimethyl - butyric-acid-(hydroxy-alkyl)-amides.

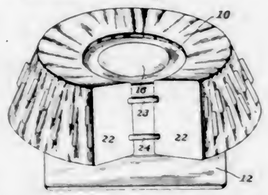
2,413,078

FILING APPARATUS

Richard P. Scholfield, New York, N. Y., assignor to Scholfield Service, Inc., New York, N. Y., a corporation of New York

Application May 12, 1944, Serial No. 535,347

6 Claims. (Cl. 129—16)



2. A filing apparatus comprising a vertically disposed frusto-conical drum supported for rotation about its axis, and means for retaining a plurality of slotted cards upon its periphery for swinging movement with respect thereto, said means comprising a continuous, circumferentially extending card retaining rail adapted to be received in the slots in the cards.

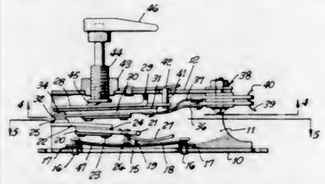
2,413,079

THERMOSTAT

Morris A. Schwartz, Los Angeles, Calif.

Application July 28, 1943, Serial No. 496,446

4 Claims. (Cl. 200—139)



1. A thermostat for use in electric irons and the like comprising a bimetallic element mounted between spaced points and adapted to flex therebetween under the influence of heat, a lever carrying a contact engageable with and disengageable from another contact to open and close an electric circuit, and means for causing the lever to be moved in response to flexures of the bimetallic element but in such a manner that the movements of the contact will be at a multiplied rate of the movements of the bimetallic element, said bimetallic element being bowed and prestressed to a position that it would assume under the influence of heat at one end of the temperature range over which it is to operate and from which position upon a rise in temperature it will continue to bow in the same direction whereby until said end of the temperature range is reached said means and lever will remain undisturbed, and on a rise in temperature therefrom, said means and lever will be moved in accordance with temperature variations.

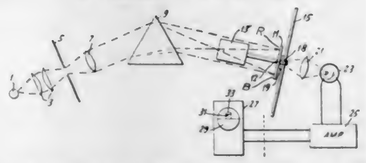
2,413,080

SPECTROPHOTOMETER

Stuart W. Seeley, Roslyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 16, 1940, Serial No. 365,875

14 Claims. (Cl. 88—14)



1. The method of measuring the light absorption characteristic of a material which comprises directing light along a predetermined path to a focal plane, periodically deriving electrical energy representative of the light arriving at said focal plane, periodically interposing the material whose absorption is to be measured in said light path, both of the periods being shorter than the duration of the persistency of vision, deriving electrical energy representative of the light arriving at said focal plane when said material is inserted, and determining the degree of inequality between the two derived energies.

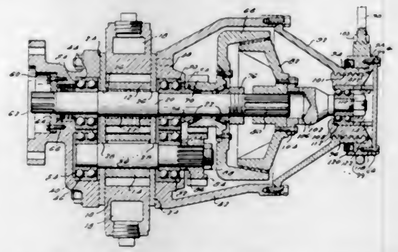
2,413,081

CLUTCH DRIVEN HYDRAULIC PUMP

George D. Shaeffer, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich.

Application May 22, 1943, Serial No. 488,023

3 Claims. (Cl. 103—126)



1. A pump and clutch assembly comprising pump housing means, means providing inlet and discharge ports in said housing means, a main drive shaft disposed within said housing means, a pump drive shaft parallel to said main shaft and disposed in said housing means, intermeshing fluid displacement members disposed within said housing means, one of said members being mounted on said main drive shaft for free rotation with respect thereto, the other of said members being mounted on said pump drive shaft and fixed thereto for rotation therewith, means to connect one end of the main drive shaft to a power take-off, clutch means connected to the opposite end of said main drive shaft, driving means interconnecting said clutch means and said pump drive shaft, and manual means to effect engagement and disengagement of said clutch means.

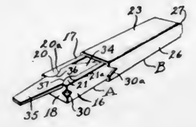
2,413,082

POCKET TOOL KIT

James A. Skaer, Wichita, Kans.

Application November 21, 1944, Serial No. 564,505

4 Claims. (Cl. 30—125)



3. In a pocket tool kit device of the kind described comprising a tool box and a housing for said tool box, said housing being slidable longitudinally on the box and recess means in one end of said box for receiving a portion of a tool, said housing serving to hold the tool in the recess, the corner edges of the box having guiding means therein for guiding the box end adjacent the tool along a can edge when the tool is being used as a can opener.

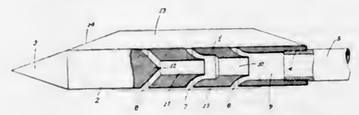
2,413,083

INJECTION NOZZLE

Ward E. Snowden and Harvey F. Raynor, Modesto, Calif., assignors to Snowden Chemical Company, Modesto, Calif., a partnership

Application April 3, 1945, Serial No. 586,319

3 Claims. (Cl. 299—110)



1. A fire fighting nozzle comprising an elongated cylindrical body of substantially the same cross sectional diameter throughout its length, a solid sharp conical point projecting from the end of the body, a pluraltiy of circumferentially spaced relatively flat thin ribs on the outer surface of the body and projecting radially out therefrom, the forward ends of the ribs tapering inwardly and forwardly in matching relation to the taper of the conical point and forming a continuation of such taper, the body being provided with a central bore and spaced discharge passages leading from the bore through the side wall of the body between the ribs.

2,413,084

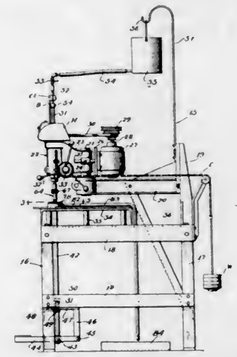
GLASS DRILLING APPARATUS

Kurt Sommer, La Grange Park, Paul Maca, Hinsdale, and Edward Edwards and William Budig, Chicago, Ill., assignors to said Sommer and said Maca, as trustees

Application January 26, 1944, Serial No. 519,718

13 Claims. (Cl. 125—20)

11. Drilling apparatus comprising the combination of a supporting frame including a work-supporting surface, a tubular drill bit including a tubular metal wall portion having finely divided diamond particles embedded therein and exposed upon the cutting or abrading surface thereof, power-operated means for rotating said tubular drill bit, manually operable means for raising and lowering said tubular drill bit relative to the said work-supporting surface and the work carried thereby, means for supplying a cooling fluid to the interior of said tubular drill bit during the drilling operation, and means including a tubular member movably mounted upon said support-



ing frame below said work-supporting surface and coaxial with said tubular drill bit for locating a partially drilled area of a piece of flat glass or like work in coaxial alignment with said tubular drill bit and therebelow.

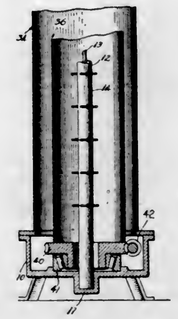
2,413,085

ANTENNA SYSTEM

John W. Tiley, Philadelphia, Pa., assignor to Philco Corporation, a corporation of Pennsylvania

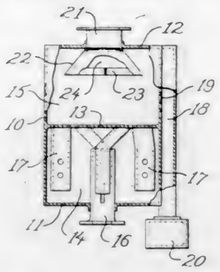
Application January 29, 1945, Serial No. 575,020

8 Claims. (Cl. 250—11)



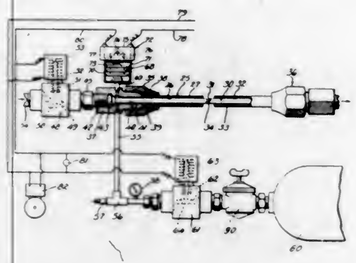
1. A directional antenna system comprising an antenna having a radiation pattern in a predetermined plane, a dielectric member disposed in the path of said radiation from said antenna system, said dielectric member having a thickness along the path of radiation of less than a quarter wavelength, a second dielectric member interposed between said antenna and said first dielectric member, said second member having a thickness of less than a quarter wavelength, and means for varying the distance between said dielectric members, said variation being sufficiently great so that said two dielectric members cooperate to transmit radiation from the antenna in one position and to substantially suppress radiation in another position.

2,413,086
MEANS FOR REDUCING BACK PRESSURE IN SILENCERS
John P. Tyskewicz, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application January 10, 1945, Serial No. 572,129
4 Claims. (Cl. 181—58)



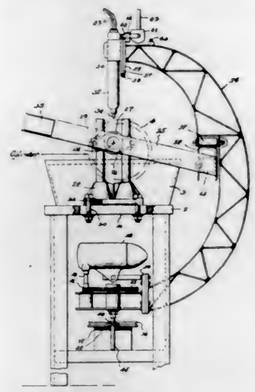
1. In a spark arrester silencer having a whirl chamber and a gas outlet connection including a substantially imperforate open-ended conical member projecting into the whirl chamber, and one or more interrupter bars positioned within the large end of the conical member, a portion of the conical member of substantial axial depth between the interrupter and the small end of the conical member being unobstructed.

2,413,087
FIRE PREVENTING SYSTEM
John E. Urbany, Los Angeles, Calif.
Application March 1, 1943, Serial No. 477,677
14 Claims. (Cl. 169—2)



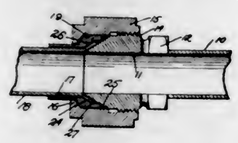
1. In combination: means defining first and second spaces and including an impervious intermediate wall separating said spaces and an impervious outer wall separating said second space from the surrounding atmosphere; means for delivering an inflammable fluid to said first space; means for normally maintaining a fire-extinguishing fluid in said second space at such pressure as to maintain a pressure differential across one of said walls, which pressure differential is modified upon puncture of said one of said walls, said means including a source of said fire-extinguishing fluid under pressure and a spring-loaded valve connecting said source to said second space to maintain in said second space a pressure lower than in said source; and means responsive to a change in said pressure differential across said one of said walls upon puncture thereof for actuating said valve.

2,413,088
BLOWTORCH MACHINE FOR CUTTING METAL WORKPIECES
Thornton L. Urquhart, Detroit, Mich., assignor to Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application December 13, 1943, Serial No. 514,027
6 Claims. (Cl. 266—23)



1. An apparatus for flame cutting a metallic work piece comprising, a supporting member, a structure for carrying the supporting member, means pivotally mounting said structure, means pivotally connecting said structure with the supporting member, the axes of said two means being substantially at right angles to each other, a torch carried by the supporting member for applying a cutting flame onto the work piece, a template, means on the supporting member for engaging and traversing the template for oscillating the supporting member on its axes to cause the cutting flame to traverse and cut the work along a path determined by the template, and means for adjustably varying the position of the axis of the said means for pivotally mounting said structure relative to the work piece independently of the pivotal connection between the structure and the supporting member to vary the angle of the cut through the work piece.

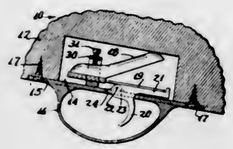
2,413,089
FITTING
Le Roy Vaught, Inglewood, Calif., assignor of one-half to Roy W. Solomon, Inglewood, Calif.
Application July 10, 1944, Serial No. 544,155
1 Claim. (Cl. 285—86)



A union connection for a tubular conduit comprising in combination with an internally threaded nut having at one end thereof an inwardly directed flange, a tubing associated with said conduit and having a flaring end of greater diameter than the inside diameter of said flange, and an element on said tubing having a flared

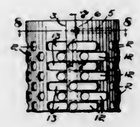
end corresponding to the flare of said tubing, said flared end having an annular recess in the face thereof to receive and seat the flared end of said tubing flush with the flared end of said element and form a seal against high pressure when the flared end of said tubing is moved into abutting engagement with said tubular conduit by said nut.

2,413,090
TOY GUN
Mark Winans, New York, N. Y.
Application March 14, 1945, Serial No. 582,630
1 Claim. (Cl. 46—191)



A toy gun, comprising a member simulating a gun barrel and stock and having a recess formed at the trigger area, a trigger guard and support mounted across said recess, a toy cricket disposed within said recess and having a resilient and flexible noise-making blade, and a trigger pivotally mounted on said guard and support and having an inner arm engaging said blade for flexing the same when the trigger is pulled, whereby said blade will move said trigger forwards when said trigger is released, and means for longitudinally adjustably mounting said cricket on said trigger guard and support.

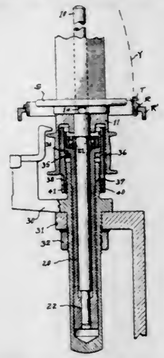
2,413,091
COLLAPSIBLE AND EXPANSIBLE SPINDLE
Harry C. Wolfenden, Attleboro, Mass.
Application December 7, 1943, Serial No. 513,240
1 Claim. (Cl. 242—118)



An expansible and contractible spindle of the kind described, having a cylindrical body portion and overlapping contacting edge portions, said overlapping portions being adapted to slide in contact with each other during expansion and contraction, a plurality of perforations thru the body portion, and slots thru the overlapping portions substantially in register with each other during the expansible and contractible operations.

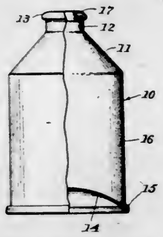
2,413,092
SPINDLE ADJUSTING MEANS
Earl S. Wood, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application March 22, 1946, Serial No. 656,367
4 Claims. (Cl. 57—135)

1. A textile spindle comprising a rotated blade, means to support a spool thereon, a bolster bearing for said blade, a spindle base, a support for



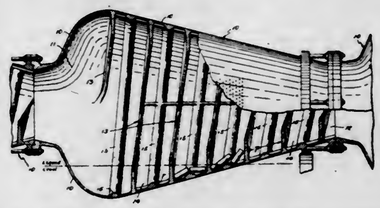
said bolster bearing, and means to shift said bolster support vertically on said spindle base.

2,413,093
FILM-FORMING RESINOUS LINING FOR METAL CONTAINERS
Albin H. Warth and Iliya F. Bulatkin, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 20, 1942, Serial No. 451,620
4 Claims. (Cl. 220—64)



1. A metal container having a lining in the form of a thin, continuous film comprising a major portion of film-forming resinous varnish having Aruba resin incorporated therein.

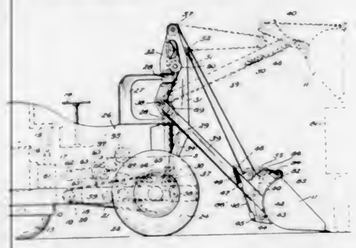
2,413,094
METAL TREATING APPARATUS
Kenneth J. Yost, Westport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 9, 1944, Serial No. 567,354
2 Claims. (Cl. 259—3)



1. A device for conveying articles through a bath comprising a conical perforated drum rotatable on its longitudinal axis in a substantially

horizontal plane, said drum having a spiral internal flange by which articles deposited in said drum are gradually advanced therethrough; and an annular rib on the inner wall of said drum, said rib being arranged parallel to and intermediate successive convolutions of said spiral to prevent articles from wedging therebetween.

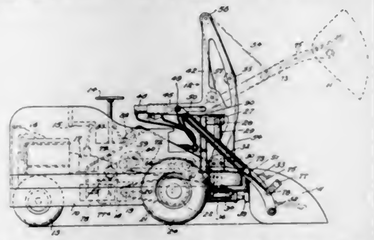
2,413,095
PORTABLE LOADING MACHINE
Eugene Barker, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application September 14, 1944, Serial No. 554,032
5 Claims. (Cl. 214—132)



1. In a loading machine, a portable base vehicle having a power-furnishing and propelling engine, an upright mast frame support on and adjacent to one end of said vehicle for turning movement about a substantially vertical axis, means driven by said engine for imparting controlled turning movement to said mast frame, a cross member carried by said frame, a pair of boom arms having their rear ends pivotally secured to said cross member for turning movement about a substantially horizontal axis, a load carrier pivotally connected with the outer ends of said boom arms for turning movement relative thereto about a substantially horizontal axis, a drum mounted on said vehicle and driven by said engine, a cable connected at one end with said mast frame, guides on said boom arms and said mast frame around which intermediate portions of said cable are passed, the other end of said cable being connected with said drum, whereby upon the winding of said cable about said drum to shorten the effective length thereof said boom arms and load carrier will be turned in an upward direction, a second cable for controlling tilting movement of said load carrier with respect to said boom arms, said second cable being secured at one end to said load carrier, guides carried by said boom arms and mast frame about which the intermediate portions of said second cable are trained, and an engine-actuated drum mounted on said vehicle with which the other end of said second cable is connected.

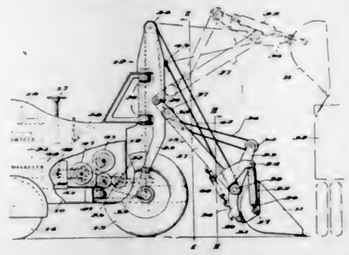
2,413,096
PORTABLE LOADING MACHINE
Eugene Barker, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application September 23, 1944, Serial No. 555,426
7 Claims. (Cl. 214—148)

1. In a loading machine, a portable base vehicle having a power-furnishing and propelling engine, an upright mast structure supported on and adjacent to one end of said vehicle for turning movement about a substantially vertical axis, means driven by said engine for imparting controlled turning movement to said mast structure, a cross member mounted for horizontal sliding movement on said mast structure, a pair of thrust arms having their rear ends pivotally secured to said cross member for swinging movement about a substantially horizontal axis, a load carrier pivotally connected with the outer ends of said thrust arms for turning movement about a substantially horizontal axis, fluid pressure means mounted on said arms and connected with said load carrier to oscillate the latter between its material-receiving and discharging positions, a second fluid



pressure means carried by said mast structure and connected with said cross member to impart a forward thrusting movement to said arms and load carrier, a third fluid pressure means carried by said base vehicle cooperative with said load carrier and supplementing said second pressure means for imparting forward thrust movement to said carrier when the latter is in a lowered material-receiving position, and means driven by said engine and trained through said mast structure for raising and lowering said thrust arms and carrier by swinging the thrust arms about their pivotal connections with said cross member.

2,413,097
PORTABLE LOADING MACHINE
Eugene Barker, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application October 9, 1944, Serial No. 557,762
4 Claims. (Cl. 214—132)



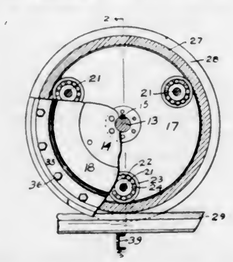
1. In a loading machine, a portable base vehicle having a power-furnishing and propelling engine, an upright mast structure supported on and adjacent to one end of said vehicle for turning movement about a substantially vertical axis, means driven by said engine for imparting controlled turning movement to said mast structure, a boom having its rear end pivotally connected with said mast structure for turning movement about a substantially horizontal axis and lateral swinging movement in unison with the turning of said mast structure, a rock shaft pivotally carried by the outer end of said boom, thrust-imparting arms movable with said rock shaft, a

scoop pivotally connected with the outer ends of said arms, means actuated by said vehicle engine for oscillating said rock shaft and thereby imparting forward thrusting movement to said scoop, means actuated by power derived from said engine for raising and lowering said boom and scoop, and means actuated by power derived from said engine for turning said scoop about the pivotal connections thereof with said boom to tilted positions of material discharge.

2,413,098
INDUCTANCE CORE COMPOSITION
Howard J. Benner and Allan M. Hadley, Longmeadow, Mass., assignors to The F. W. Sickles Company, Chicopee, Mass., a corporation of Massachusetts
Application January 25, 1944, Serial No. 519,634
1 Claim. (Cl. 106—287)

A ferrous magnetic non-brittle air hardening composition for tuning an inductance consisting of finely powdered iron two parts, litharge one part, and sufficient glycerine to render the composition pasty when first mixed and non-brittle when hardened.

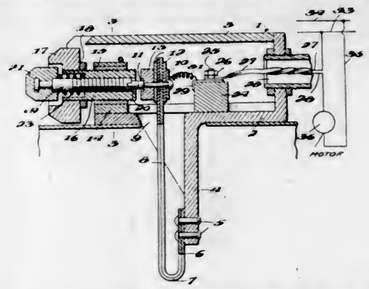
2,413,099
ANTIFRICTION DRIVE WHEEL
Walter C. Cox, Denver, Colo.
Application August 21, 1944, Serial No. 550,411
4 Claims. (Cl. 295—10)



1. A wheel comprising, in combination, a non-rotatable circular hub, an annular wheel rim encircling the hub, three roller bearings carried by the hub and spaced 120 degrees apart, means for latching the hub in any one of three rotary positions in each of which one of the roller bearings is positioned directly beneath the center of the hub, the annular rim encircling the hub and roller bearings, and means for resisting forces tending to move the rim relative to the hub in an axial direction.

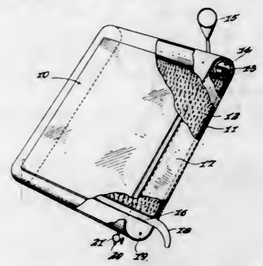
2,413,100
THERMOSTATIC SWITCH
George W. Crise, Columbus, Ohio, assignor to Crise Electric Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application May 27, 1943, Serial No. 488,706
7 Claims. (Cl. 200—138)

1. In a thermostatic switch, a bimetallic strip anchor at one end and adapated to have its free end deflected by temperature variations, a magnet carried by the free end of said strip, a contact movable in unison with the deflectable end of said strip and said magnet, a temperature controlling armature adjustably mounted to vary the spacing between one end thereof and said magnet, a differential varying element movable bodily with said armature and adjustable longitudinally and independently with respect to the armature, and a second contact carried by said



element adapted to be brought into and out of engagement with said first contact upon deflection of said strip.

2,413,101
SOLAR STILL WITH NONFOGGING WINDOW
William R. P. Delano, Syosset, N. Y., assignor to Gallowhur Chemical Corporation, New York, N. Y., a corporation of Vermont
Application October 20, 1943, Serial No. 507,002
6 Claims. (Cl. 202—234)

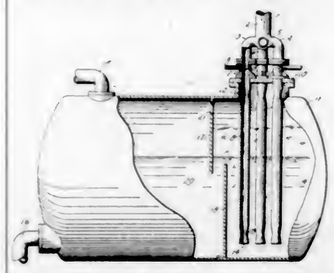


1. In all apparatus for distilling liquids, the combination of, a closed container having at least one side provided with a sheet of transparent hydrophobic material, a layer of liquid-absorbent material within said container spaced from and disposed under said transparent side, means to wet said layer with salt water to be distilled, and a layer of transparent hydrophilic material disposed on the inside surface of said transparent hydrophobic material whereby fogging of the transparent sheet by the condensate is prevented.

2,413,102
DEGASIFIER
David Mathias Ebert, Wilmington, Del., and Abram William Hogeland, Southampton, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application November 25, 1941, Serial No. 420,338
4 Claims. (Cl. 18—54)

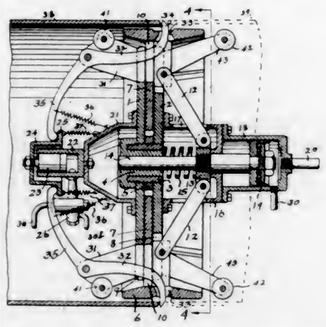
4. The method of removing dissolved gaseous products including hydrogen sulfide from viscose spinning baths, comprising forcing a stream of an oxidizing gas into a stream of the bath liquid and forcing the mixed stream in succession through a series of narrowing passages spaced along the conduit and through a corresponding number of widening passages, each of the latter being situated substantially immediately be-

yond a corresponding one of the narrowing passages, said conduit having an outlet disposed within a large body of bath liquid under sub-atmospheric pressure, said body of liquid having a turbulent zone adjacent said conduit and a quiescent zone spaced from said conduit, to cause intimate mixing of, and thereby to facilitate chemical re-



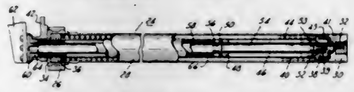
action between, oxidizable bath constituents and the gas under alternately increasing and decreasing pressure conditions, passing the mixture from the conduit into said large body while allowing excess gas to rise turbulently to the surface of said body of liquid, and continuously passing a sub-surface portion of the thus degassed liquid into said quiescent zone.

2,413,103
EXPANDING HEAD
Arthur L. Forbes, Jr., Houston, Tex., assignor to Pressure Weld Company, Houston, Tex., a corporation of Delaware
Application October 26, 1944, Serial No. 560,473
2 Claims. (Cl. 113—103)



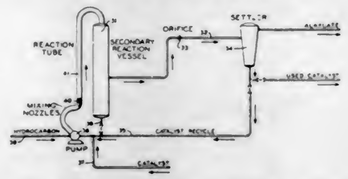
1. An expanding head for registering the adjacent ends of aligned pipes to be welded together and for reshaping said ends, if distorted, comprising, a frame composed of concentric plates, means for fixing said plates in spaced relation, a series of expanders mounted to move radially on the frame and having curved outer faces arranged to move simultaneously into contact with the inside of the pipe ends, upon outward movement of the expanders, said faces when expanded defining an approximately cylindrical contour, webs fixed to the expanders and extending radially inwardly between the plates, means responsive to the pressure of an operating fluid for moving the expanders outwardly to move said faces into contact with the inside of the adjacent pipe ends and means for moving the expanders inwardly to released position upon relief of said pressure.

2,413,104
GUN CHARGING MECHANISM
George A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 17, 1944, Serial No. 540,808
3 Claims. (Cl. 89—1)



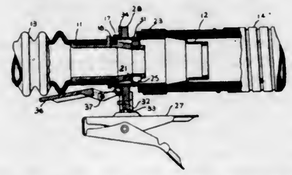
1. In combination, a gun of the type having means which must be moved to the rear of said gun and then released for counter-movement when charging is desired, said means including two reciprocable members constructed and arranged so that when one of said members is moved a predetermined distance toward the rear of said gun the other member is moved simultaneously therewith until said predetermined distance is reached whereupon movement of said one member is arrested while movement of said other member toward the rear of the gun is continued until a second predetermined distance is reached, a hydraulic mechanism mounted on the gun for moving the members toward the rear thereof and comprising a cylinder, a piston reciprocable in the cylinder and normally urged toward one end thereof and constructed and arranged to be in engagement with said one member to move said two members simultaneously said first predetermined distance toward the rear of said gun when said piston is moved to the other end of said cylinder, and piston means reciprocable within said first-named piston and normally urged toward one end thereof and constructed and arranged to be in engagement with the other member, said piston means constituted to move the other member said second predetermined distance toward the rear of the gun so that said two members are now positioned for counter-movement to thereby cause the gun to be charged upon their return.

2,413,105
ALKYLATION OF HYDROCARBONS
George B. Hatch and Ernest F. Pevere, Beacon, Louis A. Clarke, Fishkill, and Frank H. Bruner, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Original application August 30, 1939, Serial No. 292,582. Divided and this application January 7, 1941, Serial No. 373,416
10 Claims. (Cl. 260—683.4)



8. In an alkylation process in which an emulsion of reactive hydrocarbons and strong mineral acid is maintained and circulated in a circulatory system comprising a reaction zone and a primary settling zone, the improved method which comprises partially settling the emulsion entering said primary settling zone to form an upper layer of emulsion which is rich in hydrocarbons and a lower layer of emulsion which is richer in acid, recycling the said lower layer of emulsion to the reaction zone before a settled acid layer has formed therefrom, separately withdrawing the said upper layer of emulsion from the said primary settling zone and diverting the same to a secondary settling zone wherein substantially complete separation of acid from hydrocarbons is effected.

2,413,106
PIPE COUPLING
Arthur C. Kelle, Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 1, 1944, Serial No. 524,544
6 Claims. (Cl. 285—77)

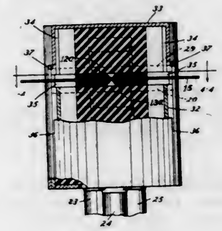


1. A pipe coupling comprising a female member, a male member for axial engagement with said female member, said members having complementary surfaces so disposed as to abut to limit the engagement of said members to a predetermined extent, said members having complementary annular walls so disposed as to fit one within the other, one of said walls defining an annular shoulder so disposed as to face the other one of said walls, said other one of said walls defining an annular groove so disposed as to face said shoulder, and means responsive to engagement of said members to substantially said predetermined extent for urging said members into further engagement comprising a resilient split ring disposed in said groove and having a snug fit against the sides of said groove and a loose fit against the bottom of said groove, said shoulder and said ring having coacting surfaces so formed that engaging movement of said members first causes said ring to be gradually deformed by sliding of said ring over said shoulder until maximum deformation of said ring is obtained and thereafter causes further sliding of said ring over said shoulder to cause said ring gradually to become less deformed and thereby exert an axial thrust on said shoulder in the direction of engagement of said members.

2,413,107
REFINING OF PYRETHRUM OLEORESINS
Wayne E. Kuhn, Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 31, 1943, Serial No. 516,591
3 Claims. (Cl. 260—468)

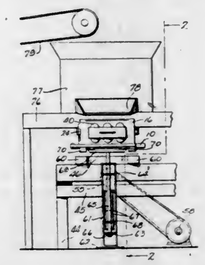
1. The method of refining pyrethrum oleoresins to obtain a pyrethrin concentrate substantially stable against resin separation during storage which comprises dissolving said pyrethrum oleoresins in from about 2 to 10 volumes of liquid propane, chilling the solution to about —30° F. such that a soluble phase and an insoluble phase are formed, said soluble phase comprising pyrethrins dissolved in propane and said insoluble phase comprising constituents soluble in normal pentane at said temperature, removing said insoluble phase and removing propane from said soluble phase thereby forming a solvent-free concentrate consisting predominantly of pyrethrins.

2,413,108
RECORDING AND REPRODUCING HEAD FOR MAGNETIC RECORDING
William B. Latchford, Rochester, and Lynn C. Holmes, Fairport, N. Y., assignors to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application March 14, 1945, Serial No. 582,642
11 Claims. (Cl. 179—100.2)



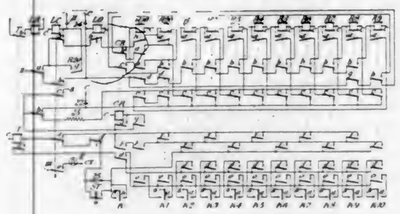
1. In a sound recording and reproducing device, a base provided with a barrier of predetermined configuration, a core comprising a plurality of divided laminations stacked against and around said barrier in given relation thereto to provide a gap of predetermined dimension in said core, said barrier being shaped to engage substantial areas of the edge portions of said laminations whereby said laminations are positively located with respect to each other, a coil encircling said core and means for guiding a ferromagnetic recording medium along said core and across said gap.

2,413,109
APPARATUS FOR THE MANUFACTURE OF BUILDING BLOCKS
Eugene Leipold and Bruno Garni, Milwaukee, Wis.
Application April 11, 1941, Serial No. 388,006
10 Claims. (Cl. 25—41)



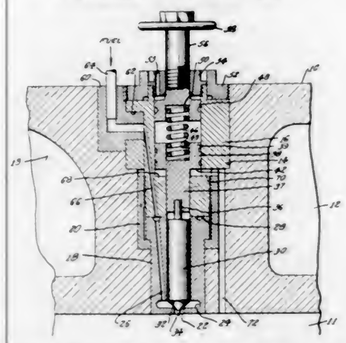
2. In a machine for making concrete blocks and the like, the combination with a form supporting table and means for continuously vibrating the table, of an adjacent support, a concrete form provided with portions adapted to rest upon the support and having other portions free of said support in positions for engagement with said table, and means for producing bodily relative movement between said support and table in a direction to deposit said form upon said table, and means for producing relative movement between said support and table in a converse direction to lift said form from said table.

2,413,110
COUNTING RELAY SIGNALING APPARATUS
Lloyd V. Lewis, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 18, 1944, Serial No. 564,045
10 Claims. (Cl. 177—380)



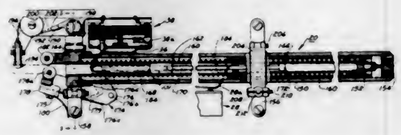
1. In a signaling system, a two position line relay responsive to a series of impulses, a chain of counting relays, pick-up circuits for a plurality of said relays each including a front contact of the next preceding counting relay, a back contact of the second preceding counting relay of the series and a contact closed by the line relay in one position, a first stick circuit for each such counting relay including its own front contact, a back contact of the next succeeding counting relay and a contact closed by the line relay in its other position, and a second stick circuit for each such counting relay including its own front contact, a front contact of the next succeeding counting relay and a contact closed by the line relay in said one position.

2,413,111
FUEL INJECTION DEVICE FOR INTERNAL-COMBUSTION ENGINES
Jay B. Malin, Fishkill, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 26, 1944, Serial No. 542,201
2 Claims. (Cl. 123—32)



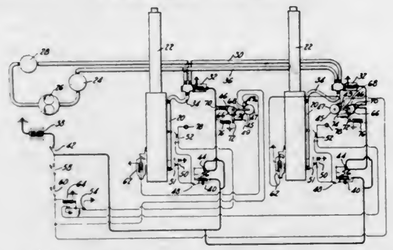
1. In an internal combustion engine, and in combination, a cylinder having a combustion space, a piston reciprocatingly mounted therein, an injector mechanism mounted in said cylinder, said mechanism comprising a nozzle having a fuel injection orifice and a valve seat behind said orifice, said nozzle also having a pressure chamber formed therein behind said valve seat and a fuel passage leading thereto, a pintle valve slidably mounted within the said nozzle and cooperating with said valve seat, said pintle valve having an inclined tip adapted to form a fuel feed control passage between said tip and said valve seat of progressively increasing cross-sectional area with increase in opening movement of said valve and which is effective to regulate the rate of fuel injection throughout the normal range of movement of said valve, said pintle valve also having a surface of effective cross-sectional area exposed to said pressure chamber so that fuel under pressure therein produces a thrust tending to effect opening movement of said valve, a piston slidably mounted within said nozzle behind said pintle valve, an operative and loose connection between said piston and said pintle valve, an adjustable plunger carried by said nozzle behind said piston, a compression spring mounted between said plunger and said piston and resisting opening movement of said valve, said nozzle also having a second pressure chamber formed therein exposed to the front side of said piston, said parts being formed with a passage independent of said orifice and said fuel pressure chamber providing communication between said second pressure chamber and said cylinder combustion space, and means for supplying fuel under pressure to said fuel passage and first-mentioned pressure chamber at an intermediate point in the compression stroke of said first-mentioned piston, said parts being constructed and arranged to effect initial but only partial opening movement of said valve at the instant in said cycle when said fuel under pressure is supplied to said first-mentioned pressure chamber to initiate fuel injection at a lower rate, and thereafter increasing combustion space pressure during the injection period of each said cycle is communicated to said second pressure chamber to force said second mentioned piston toward said plunger and thereby relieve thrust of said spring on said pintle valve to produce additional opening movement of said valve with consequent increase in the rate of fuel injection during the injection period of each said cycle in accordance with the increase in combustion space pressure.

2,413,112
AUTOMATIC GUN CHARGER
George W. Pontius, III, and Arthur P. Wilson, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 26, 1940, Serial No. 371,742
11 Claims. (Cl. 89—1)



1. The combination with a gun having a reciprocable breech bolt, of a fluid motor mounted on the gun to retract the bolt, a piston in said fluid motor normally urged toward one end thereof, means for engaging the breech bolt for retracting the same upon movement of the piston toward the other end of the motor, means mounted at said other end of the motor for latching the bolt in retracted position, and means within said fluid motor and operative upon movement of the piston toward the said other end of the motor to control the latching means to latch the bolt in retracted position and operative upon movement of the piston toward the said one end of the motor to release the latching means.

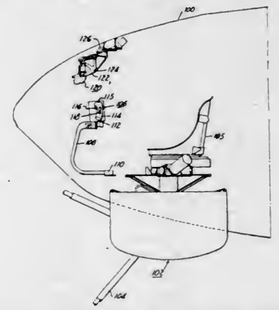
2,413,113
AUTOMATIC GUN CHARGER
George W. Pontius, III, and Arthur P. Wilson, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 5, 1942, Serial No. 464,609
4 Claims. (Cl. 89—1)



1. A gun charging apparatus for use with a gun having a reciprocable breech bolt movable from a normal forward position of the gun to a retracted position thereof and then released for counter movement when charging of the gun is desired, comprising a fluid pressure motor adapted to be mounted on the gun and constructed and arranged to engage the bolt to retract the same, an electrical system including a source of current and first and second circuits, an electrically operated valve in the first circuit for controlling the flow of fluid to said motor and connected in the first circuit through an openable connection, a time delay relay in the second circuit constructed and arranged to be energized in response to normal reciprocation of the breech bolt to open said openable connection and to be deenergized in response to abnormal reciprocation of the breech bolt to permit closing of said openable connection, a switch in the second circuit normally open and constructed and arranged to be closed by the breech bolt when in a retracted position only, to connect the time delay relay in the second circuit to energize said relay, means in the second circuit normally closed to energize the time delay relay at times when the switch is open, a firing circuit including a firing motor mounted on the gun and a trigger switch interposed between the firing circuit and the source of current, and a relay in the firing circuit constructed and arranged to open said normally closed means when the trigger switch is closed so that energization of the time delay relay must depend upon normal breech bolt reciprocation.

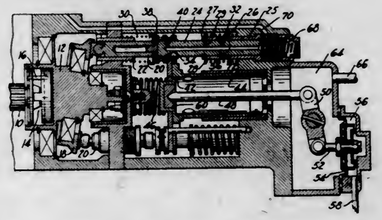
2,413,114
GUN TURRET
George W. Pontius, III, and Frank V. Kuzmitz, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 18, 1943, Serial No. 472,716
4 Claims. (Cl. 89—37.5)

1. A turret for use in the bow or stern portions of an aircraft or the like comprising, in combination, a turret member, a mounting for said turret member carried by said aircraft, a gun mounted on said turret member for rotation therewith in azimuth and constructed and arranged to rotate with respect to said turret member in elevation, a sight synchronized in its movements with the azimuthal and elevational movement of said gun and constructed and arranged to enable a gunner peering into the said sight to observe the field of fire of the gun, means including a pair of flexible cables connecting said turret member and gun to said sight to impart movement thereto corresponding to movement of the gun, power means for rotating said turret member with the gun in azimuth, motor generator means for supplying voltage and current to said power means in accordance with load and desired speed, a separately excited winding on the generator for furnishing an exciting field therefor, power means for rotating said gun in elevation, a second motor generator means for supplying voltage and current to the elevation power means in accordance with load and desired speed, a separately excited winding on said second-named generator for furnishing an exciting field therefor, and control means for both of said



power means including a manually operated controller rotatable about a plurality of axes angularly displaced with respect to each other, said controller being normally held in a neutral position on said axes and constructed and arranged so that rotation from neutral in any direction about said axes selects the gun for corresponding movement in the selected direction, said control means also including a switch to be closed for changing the exciting field when an increase in the tracking speed is desired for any given position of the control from neutral, limit selector switch means associated with said control and arranged to respond to movement of said controller for limiting the movement of said gun, said limit means including conductors and a relay-controlled switch connected to each of said power means for dynamically braking said power means.

2,413,115
FUEL INJECTION PUMP
William E. Sheehan, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 23, 1943, Serial No. 495,838
8 Claims. (Cl. 103—154)



1. In a plunger for pumps, a plunger body: a layer of hard wear-resisting plating material on

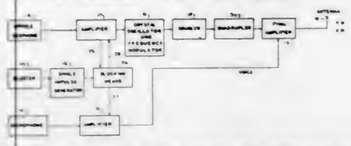
said body having an outer bearing surface; said body being provided with sharp edged shoulders of softer material defining the limits of said wear-resisting material and having peripheral surfaces, the plane of said peripheral surfaces being substantially the same as the plane of said outer bearing surface.

2,413,116

SYSTEM FOR GEOPHYSICAL EXPLORATION

Earley M. Shook and Robert W. Olson, Washington, D. C., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application February 14, 1944, Serial No. 522,358
5 Claims. (Cl. 177—352)



3. In a system for geophysical exploration in which seismic waves are created below the earth's surface and their travel time through the earth measured, the combination of a single radio transmitter for radiating a carrier from a sending location, means for producing a single electrical impulse coincidentally with the instant of creation of said seismic waves, means including an amplifier operable by said single impulse for frequency modulating said carrier substantially during the period of said impulse, means including an uphole geophone for producing an electrical signal indicative of the arrival at the earth's surface of seismic waves which have travelled through at least a part of the weathered layer of the earth's surface, means including said amplifier for applying said signal to said frequency modulating means to produce frequency modulation of said carrier substantially during the period of said signal, a second amplifier, sound responsive means including said second amplifier and concurrently operable for producing amplitude modulation of said carrier, means including a seismic recorder at a receiving location for recording said impulse and said seismic waves after travel through the earth, demodulating means responsive to the frequency modulated carrier for actuating said recorder to record said impulse and said signal, said demodulating means including signal-limiting means for preventing operation of said recording means by amplitude modulation of said carrier, means operable immediately after said geophone signal produces said frequency modulation for so biasing said amplifiers as to prevent further frequency and amplitude modulation of said carrier during the period of recording of said seismic waves, and manually operable means for rendering said biasing means ineffective thereby to render effective said frequency and amplitude modulating means for subsequent modulation of said carrier.

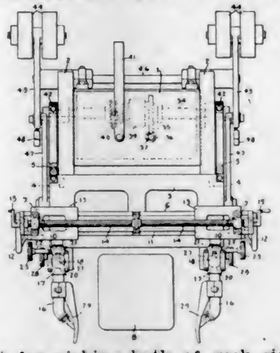
2,413,117

BILLET NICKING MACHINE

Donald L. Smith, Dunellen, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application May 20, 1943, Serial No. 487,724
4 Claims. (Cl. 266—23)

1. A billet nicking machine comprising a housing, a pair of horizontally spaced vertical guides secured to the housing, a frame movable vertically along the guide means, said frame being horizontally elongated and adapted to extend transversely across the top of the billet to be nicked and being guided at its opposite ends on said guides, two torch holders connected with the frame in position to hold torches on opposite sides of a billet, torches mounted in the holders so that their tips are adapted to direct cutting jets against opposite vertical sides of



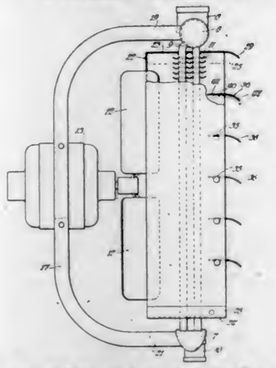
the billet for nicking both of such sides simultaneously when the frame moves vertically, an actuating element movably mounted on the exterior of said housing at each end thereof and operatively connected to the corresponding end of the frame for moving the frame vertically along the guides, a motor within the housing, and transmission means between the motor and the actuating elements and also located within the housing.

2,413,118

AIR DEFLECTOR VANE FOR UNIT HEATERS

Benjamin Spieth, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application August 14, 1942, Serial No. 454,757
2 Claims. (Cl. 98—40)



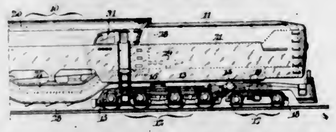
1. An air deflector for connection with opposite walls of an air casing comprising a vane, oppositely related ears for insertion in openings in said casing walls for fixedly securing said vane into one position in said casing, and aligned slots at the opposite ends of said vane and adjacent said fastening ears providing narrow vane sections contiguous with said ears whereby the whole vane may be flexed relative to said casing to obtain the desired air deflection.

2,413,119

LOCOMOTIVE

Carleton K. Steins, Merion, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 9, 1944, Serial No. 557,814
4 Claims. (Cl. 105—73)



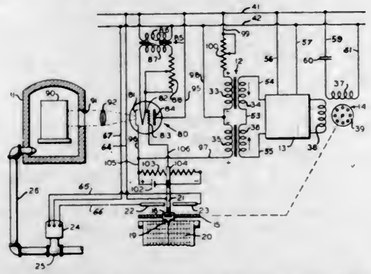
1. A locomotive having a rigid frame supported by two individually-powered trucks, a boiler mounted on the frame over one of the trucks and constituting a definite unvarying load thereon, and compartments for carrying fuel and ballast water mounted on the frame over the other truck; in combination with a coupled tender provided with a water storage reservoir, and means whereby water can be transferred from the tender tank to the locomotive tank and vice versa to compensate for weight loss or increase due to fuel consumption or replenishment in order that a definite constant load may be maintained on said other truck.

2,413,120

MEASURING AND CONTROLLING APPARATUS

Arthur H. Swanson, Lafayette Hill, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 8, 1942, Serial No. 461,267
11 Claims. (Cl. 172—239)



4. In a condition responsive system, the combination of, an electrical device, an electronic discharge device including an anode, a cathode and a grid, an output circuit including the anode and cathode for controlling the electrical device, means for controlling cathode emission in accordance with the value of the condition, and means controlled by the electrical device for controlling the grid.

2,413,121

GREASES

Reuben A. Swenson, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application March 20, 1944, Serial No. 527,352
8 Claims. (Cl. 252—41)

1. The method of manufacturing high temperature greases of the mill grease type containing an alkali metal soap of a fatty material selected from the class consisting of a non-drying fatty material and a semi-drying fatty material and an alkali metal rosin soap, comprising mixing the fatty material and the rosin acid-containing material, heating the mixture to a temperature of from about 220° F. to about 280° F., adding to the heated mixture an alkali metal hydroxide in small increments, reheating the mixture to a temperature of about 250° F. to about 270° F. before each successive addition of the alkali metal hydroxide, increasing the temperature of the mixture after the addition of all of the alkali metal hydroxide to a temperature of from about 280° F. to about 400° F., grading in the hydrocarbon oil, and then increasing the temperature to about 390° F. to about 425° F. for filling out the grease.

2,413,122

GREASES

Reuben A. Swenson, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application October 13, 1945, Serial No. 622,232
9 Claims. (Cl. 252—40)

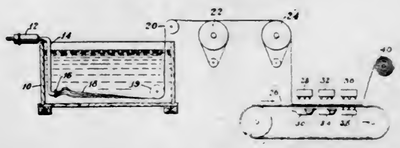
1. The method of preparing a high temperature grease containing an alkali metal soap of a non-drying fatty material, an alkali metal rosin soap and oil and having a soap content of not more than about 20%, comprising mixing together the fatty material, the rosin acid-containing material and all of the hydrocarbon oil, heating the mixture to a temperature of from about 250° F. to about 420° F., rapidly adding to the heated mixture an alkali metal hydroxide and maintaining the temperature within the range of from about 375° F. to about 410° F. until substantially all foaming subsides, adjusting the free acidity of the finished product to contain from about 0.1% to about 1.5% free fatty acid, and then filling said grease.

2,413,123

PRODUCTION OF RAYON

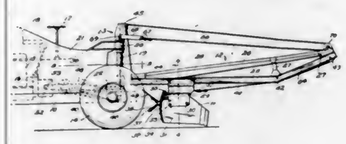
William Frederick Underwood, Oak Ridge, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 29, 1944, Serial No. 542,698
6 Claims. (Cl. 18—54)



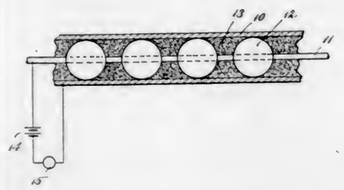
3. A process for the production of crimpy filaments which comprises extruding viscose, in the form of filaments, into a setting bath having a pH value of between 5 and 6.5 and containing between 6% and 20% sodium bisulfite, between 3% and 10% of sodium sulfite and between 8% and 12% of sodium sulfate, drawing the filaments from the point where they are extruded into the bath, the velocity of extrusion being at least four times the velocity of draw-off, stretching said filaments to at least 150% of their originally formed length in a bath having a temperature between 80° C. and the boiling point thereof, said bath containing sodium bisulfite, sodium sulfite and sodium sulfate and having a pH value of between 5 and 6.5, and thereafter regenerating said filaments and drying the same while permitting them complete freedom to shrink.

2,413,124
LOADING MACHINE
William G. Van Voorhis, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application September 20, 1944, Serial No. 554,923
3 Claims. (Cl. 214—102)



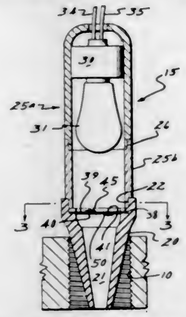
1. In a loading machine, a base vehicle, a boom turnably mounted on said vehicle for pivotal raising and lowering movement in vertical planes and swinging movement in horizontal planes, a scoop suspended from said boom and movable longitudinally thereof, said scoop being openable at the rear end thereof to provide for discharge of its contents, a door hinged to said scoop and normally closing its open rear end, bolts pivoted to the sides of said scoop, turnable bearing elements carried by the side edges of said door for the slidable reception of said bolts, coil springs confined between the outer ends of said bolts and said turnable bearing elements, said springs normally serving to maintain said door in its position of scoop closure, and cable means connected with the scoop and its door for moving said scoop longitudinally of said boom and for effecting opening movement of said door against the resistance of said spring means when the scoop is retained in a stationary position on said boom.

2,413,125
FIRE DETECTOR CABLE
Lyman H. Walbridge, Ashland, Mass., assignor to Fenwal Incorporated, Ashland, Mass., a corporation of Massachusetts
Application December 31, 1943, Serial No. 516,605
4 Claims. (Cl. 201—63)



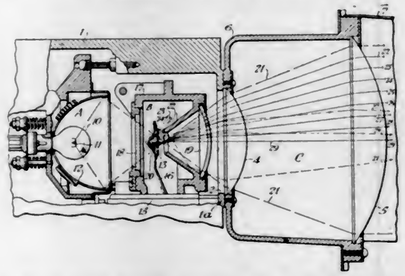
1. A readily bendable conductor cable of indefinite continuous length for detection of abnormal temperature conditions at any location adjacently along it, comprising an electrically conductive tubing element adapted for bending on a relatively small radius of curvature, an uninsulated electrical conductor extending continuously through and spaced from said tubing element, discontinuous non-conductive means interengaging said conductor and tubing element and maintaining the spacing thereof subject to bending of the cable, and in the spaces between said conductor, said tubing element and said non-conductive means, a substantially filling quantity of non-gaseous material which is electrically non-conductive at normal temperatures and electrically conductive at abnormal temperatures.

2,413,126
TIMING CHECKING DEVICE
Frank D. Warburton, Southgate, Calif.
Application August 29, 1944, Serial No. 551,754
1 Claim. (Cl. 177—311)



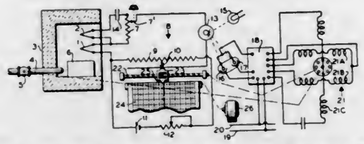
In a timing checking device adapted to be temporarily secured in the spark plug port of an internal combustion engine, a hollow body, an electric bulb mounted in the body, electrically conductive means associated with the bulb and extending through the body for connection into the ignition circuit of the engine, a neck member secured axially to the lower end of the body and having a peripheral surface engageable in said spark plug port, said neck member having an axial bore for providing air communication between the engine and the interior of the body, an air-actuated signalling element mounted transversely of the bore, and common means for providing ingress and egress of air into and from the body and rendering visible from the exterior of the body illumination created by the bulb, said means comprising a window in the body adjacent the bulb and above the air responsive signalling element.

2,413,127
COLORED LIGHT SIGNAL
Wesley B. Wells, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 18, 1945, Serial No. 594,399
7 Claims. (Cl. 177—329)



1. In a light signal comprising a light unit for concentrating the rays of light from a light source at a focal point which coincides with the focal point of a lens unit which converts the light rays into a signal beam of substantially parallel rays and means for interposing in the signal beam adjacent the focal point a colored roundel to impart a distinctive color to the signal beam, the improvement which consists in providing said roundel with substantially a conical shape to prevent it from directly reflecting back into the lens unit light rays which initially enter the signal through the lens unit.

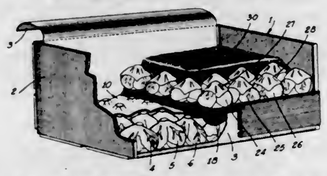
2,413,128
MEASURING AND CONTROL APPARATUS
Walter P. Wills, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 23, 1942, Serial No. 440,163
20 Claims. (Cl. 236—15)



1. A control system for varying the supply of a condition varying agent to regulate the magnitude of a variable condition in primary response to the variations in magnitude of said variable condition and in secondary response to the variations in a second variable condition related to said first variable condition comprising voltage producing means to derive a voltage varying in correspondence with the variations in magnitude of said first variable condition, solely electrical reactance means having a substantial voltage modifying property connected in circuit with said voltage producing means to derive a voltage varying in correspondence with the rate of change of said second variable condition, and means controlled jointly by both of said voltages to vary the supply of condition varying agent to regulate the magnitude of said first variable condition.

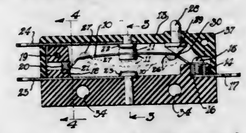
13. An element jointly responsive to a variable temperature and to the rate of change of a temperature comprising a thermocouple, a condenser having one terminal connected to one terminal of said thermocouple, a resistor connecting the second terminal of the condenser to the second terminal of said thermocouple, and a second thermocouple having one terminal connected to said second terminal of the first mentioned thermocouple.

2,413,129
METHOD OF PACKING LEAFY VEGETABLES FOR SHIPMENT
William H. Wilson, Los Angeles, Calif., assignor to Fruit & Vegetable Processing Co., Los Angeles, Calif., a corporation of California
Application March 13, 1945, Serial No. 582,445
18 Claims. (Cl. 99—193)



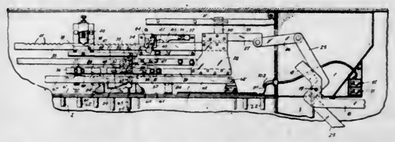
1. In a method of packing lettuce for shipment, the steps of: forming a layer of lettuce in a crate, contacting the butts thereof with a sheet of material carrying an aqueous solution of a discoloration-inhibiting agent, said sheet material including a component layer which is substantially impervious to moisture; and placing crushed ice in heat-exchange relationship to said lettuce but separated from the butts by said sheet material, whereby said sheet material supplies discoloration-inhibiting agent to the butts and restrains water derived from melting ice from washing the agent away during shipment.

2,413,130
SNAP ACTION SWITCH
William J. Aitken, Manitowoc, Wis.
Application March 1, 1945, Serial No. 580,358
8 Claims. (Cl. 200—67)



1. In a switch, a single elongated narrow leaf spring rigidly held at one end, a stationary support for the other end of the spring at such a distance from the fixed end that the spring normally bows upwardly, said support leaving the spring free to rock up and down on the support about the adjacent end edge of the spring, a stationary contact positioned above the spring at about the middle and normally pressing against and stressing it, the spring having near each end thereof an integral protrusion of transverse width less than the width of the spring, the protrusion near the fixed end of the spring being downward and the other being upward, a plunger above the spring in position adapted to exert pressure thereon beside the downward protrusion to slightly flex the spring and thereby cause it to quickly reverse its curvature, and a second stationary contact below and normally remote from the middle of the spring adapted to be engaged by the spring when the plunger is depressed and the curvature of the spring is reversed.

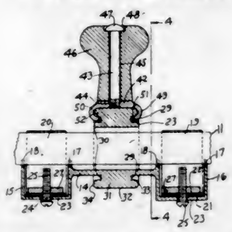
2,413,131
SELECTIVE ACTUATING AND INDICATING MECHANISM
Edmund C. Albrecht, Richmond Heights, and George Cerny, St. Louis, Mo., assignors to Pauly Jail Building Company, St. Louis, Mo., a corporation of Missouri
Application November 28, 1940, Serial No. 367,494
10 Claims. (Cl. 189—7)



1. Mechanism for unlocking and moving selected doors of a series of doors from closed to open positions and for moving said doors to closed positions, comprising a locking mechanism for each door, a bar supported for longitudinal reciprocating movements adjacent to all of the doors of the series, a lever for reciprocating said bar longitudinally, a cam for moving each of said locking mechanisms to unlock the door controlled by said locking mechanism, elements supported by said bar for movements relative thereto, means supported by said bar and operated during an initial longitudinal movement of said bar to move said elements to positions to move said cams and thereby operate said locking mechanisms to unlock the corresponding selected doors during a subsequent longitudinal movement of said bar, devices for effecting relative movement between said means and said bar to move said

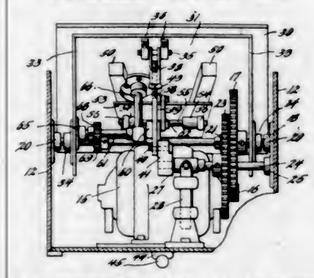
elements relative to said bar to said positions, a main operating lever, and elements operated by said main lever and connected with said unlocked doors for moving said unlocked doors from their closed to their open positions and also for moving said doors from open to closed positions.

2,413,132
ADJUSTABLE OPERATING HANDLE FOR STEERING WHEELS
Einar A. Anderson, Minneapolis, Minn.
Application December 9, 1944, Serial No. 567,357
2 Claims. (Cl. 74—557)



1. A device for aiding in the operation of steering wheels for automobiles, speed boats and the like, comprising an arcuate base member secured to and about the steering wheel rim between a pair of spokes connected thereto and extending for a considerable distance along the longitudinal arcuate center thereof, arcuate grooves and an intervening flat arcuate table forming a guideway on said member, a piece removably mounted upon the lower end of the base member so as to block the grooves, means on the upper end of the base member permanently blocking said grooves, a carrier having extended arcuate portions cooperating with said arcuate grooves to be moved circularly along them and to be limited in that movement by the groove-blocking parts, a palm-contactable handle rotatably mounted on said carrier, and clips on the groove-blocking parts for engagement with cooperative parts of the carrier to hold the carrier against displacement in either its upper or lateral positions, whereby said handle may be swung to an outward position so as to have its axial center extend upwardly at right angles to the plane of the top of the steering wheel rim or to be swung inwardly from said upstanding position to a latched position in the plane of said rim.

2,413,133
ARCH NORMALIZER
John Thirl Aydelotte, Glendale, Calif.
Application September 8, 1943, Serial No. 501,575
18 Claims. (Cl. 128—48)

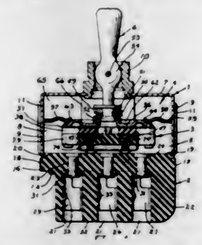


1. A foot engaging table tiltable about a horizontal axis, and power means for rocking the table about a second axis at right angles to said axis.

2,413,134
PROCESS FOR THE MANUFACTURE OF CRYSTALLINE ABSORBENTS
Richard Maling Barrer, Bingley, England
No Drawing. Application August 22, 1944, Serial No. 550,680. In Great Britain September 22, 1943
3 Claims. (Cl. 23—110)

1. A process for the manufacture of crystalline absorbents by hydrothermal alteration of aluminosilicates which comprises heating an aluminosilicate selected from the group consisting of analcite, leucite and aluminosilicate gels whose cations are mainly at least one cation selected from the group consisting of alkali metal cations and alkaline earth metal cations and which are otherwise substantially of analcite composition with an excess of a concentrated aqueous solution of a barium salt selected from the group consisting of barium chloride and barium bromide in a closed reaction zone at a temperature of between 180° C. and 270° C. for a period of between two and six days, extracting the product thus formed with water to remove occluded salts and dehydrating the extracted product by heating.

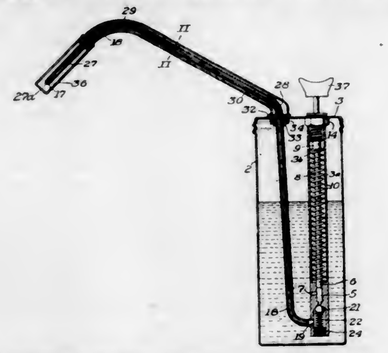
2,413,135
ELECTRIC SWITCH
Earl J. Baumgardner, Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application December 12, 1944, Serial No. 567,810
4 Claims. (Cl. 200—16)



1. An electric switch including, a housing, guide means disposed in said housing providing a chamber, a carrier carrying contact means carried by said housing, actuated means carrying bridge means disposed in said chamber and operating means for moving said actuated means so that the bridge means may engage said contact means, said guide means being provided with an opening, and said actuated means being provided with means cooperable with the opening whereby to predetermine at least one position of said actuated means, said guide means being further provided with locating means cooperable with the said means on said actuated means whereby to locate at least another position of said actuated means.

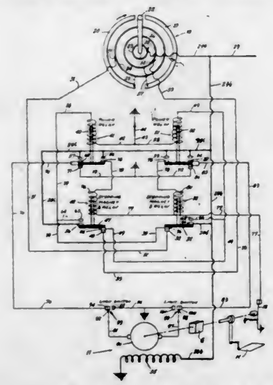
2,413,136
POSITIVE OIL FEED PUMP BY MINUTE DROP-LIKE VOLUMES
Albert Burger, Millvale, Pa.
Application April 13, 1944, Serial No. 530,931
6 Claims. (Cl. 222—282)

5. A pump oiler of the class described for feeding small uniform quantities of liquid comprising a vessel, a pump cylinder in the vessel, a piston reciprocable in the cylinder, a fluid outlet port at the bottom of the cylinder, an outwardly yielding check valve for said port, a discharge tube leading from the valve to the exterior of the vessel, there being a free passageway through the cylinder intermediate the upper and lower limits of travel of the piston, the volumetric capacity of the cylinder from the said outlet port at the bottom to said free passageway is substantially less than the volumetric capacity of the delivery



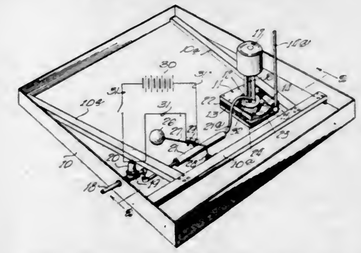
tube whereby several operations of the pump are required to fill the tube, and including a wire in said delivery tube for reducing its overall capacity and providing extended contact area with the liquid and providing restricted liquid volume to serve as a capillary means for partially retaining oil in the tube.

2,413,137
CONTROL MECHANISM
Clinton H. Dederick, Brentwood, Mo., assignor to The Emerson Electric Mfg. Company, St. Louis, Mo., a corporation of Missouri
Application June 21, 1943, Serial No. 491,583
14 Claims. (Cl. 172—239)



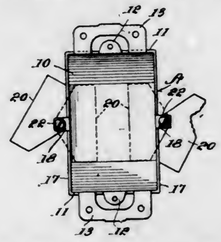
1. In a mechanism of the kind described, a motor and a control for causing a predetermined number of revolutions of the motor, said control including a pre-set device and a follower device, said devices being adapted to be in a neutral relative position, the pre-set device being adapted to be operated to establish circuits and the follower device being adapted to be moved from neutral position to a position to break said circuits, a first circuit through the pre-set device in operated position to operate the motor, a second circuit controlled by the pre-set device, operating means for the follower device to displace the same toward position to break the circuits a predetermined degree upon each energization thereof, a motor switch means made and broken in a cycle a predetermined number of times for each revolution of the motor, said second circuit including the operating means and the motor switch means whereby upon operation of the pre-set device the motor will start, and the follower device will be moved toward circuit breaking condition, and will break the circuits after a predetermined number of revolutions of the motor, said operating means for the follower device including a switch closed upon operation thereof, and a shunt circuit through said switch to maintain the first and second circuits closed regardless of the pre-set device as long as said operating means is operated.

2,413,138
WATER CONTROL FOR EVAPORATIVE COOLERS
Archie S. Feinberg, Dallas, Tex.
Application October 20, 1944, Serial No. 559,533
1 Claim. (Cl. 261—34)



In a water control for evaporative cooling apparatus having fibrous filter mats the combination comprising, a make-up reservoir, a chamber in said reservoir closed except for a screened inlet in a vertical wall thereof, partially submerged in the water of said reservoir, a pump in said chamber whose discharge serves said mats, means for periodically introducing fresh water into the in- of said pump, means for by-passing a part of said pump discharge across said chamber inlet to divert foreign floating surface matter influenced by pump suction to prevent said foreign matter from being carried to said mats by said pump and means for electrically predetermining the water level of said reservoir.

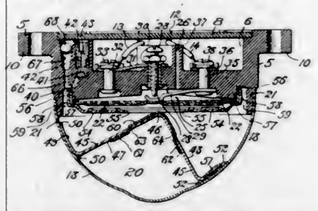
2,413,139
OUTLET BOX AND ANCHOR THEREFOR
Clyde Fredriksen, Gurney, Wis.
Application June 14, 1944, Serial No. 540,345
1 Claim. (Cl. 220—3.6)



A box of the kind described, comprising a body having an open front, an end wall and side

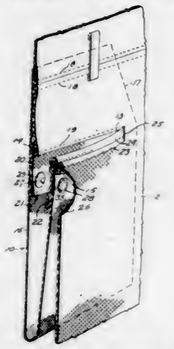
walls, attaching ears carried by the open front, a second set of short ears carried by the open front, bolts screwed through said short ears and extending beyond the end of the body and having heads, wide thin wings threaded on said bolts and prevented from passing from the bolts by the heads, said wings being normally held inwardly against the face of the end wall of the body and turnable outwardly to operative position by said bolts.

2,413,140
THERMOSTAT
William B. Griffith, Audubon, N. J., assignor to Fire Devices, Inc., a corporation of New Jersey
Application December 12, 1941, Serial No. 422,762
21 Claims. (Cl. 200—140)



1. In a device of the character described, an insulating support, a pair of conducting members mounted thereon and adapted for connection to a source of current supply and a signal, a pair of conductors each electrically connected to one of said conducting members respectively, a heat-conducting air chamber mounted on said insulating support and provided with an air opening therein, a flexible metallic diaphragm electrically connected with one of said conductors and forming a wall of said chamber and automatically movable relatively to the other one of said conductors to close the circuit and energize the signal by the expansion of air in said chamber, a releasable spring mounted in said chamber and adapted to positively move said diaphragm into circuit closing position, and fusible means normally holding said spring in inoperative position.

2,413,141
GARMENT POCKET
Joseph M. Haggar, Dallas, Tex.
Application March 21, 1946, Serial No. 656,019
1 Claim. (Cl. 2—250)



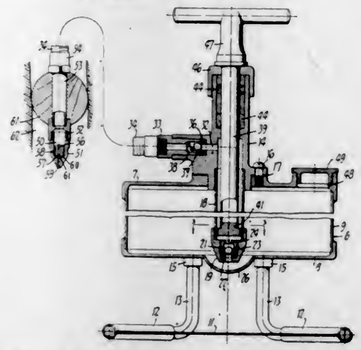
A hip pocket for trousers comprising a belt portion and outer garment material secured to and depending from said belt portion, said outer garment material below said belt portion having a slit with its edges folded under forming welt portions; pocket material secured to and depending from the belt portion, providing a pocket extending to said slit and undelying the garment material below said welt portions adjacent to the slit; inner and outer facings secured to the back and front sections of the material of the pocket and secured with the pocket material to the folded edges or welt portions of the garment material along said slit therein; and a flat snap fastener of the laundry proof type, including male and female elements secured in overlying positions respectively to the back and front sections of the material of the pocket and each including the respective overlying facings, in a position adjacent to and just below the slit and welts in the garment material, underlying the same, so as to be invisible on the outside of the garment whereby the garment will have a flat appearance at and surrounding the pocket portion and fastening means therefor.

2,413,142
SUTURING ASSEMBLY AND METHOD
Edwin M. Jones and Frederick W. Stein, Atchison, Kans.
Application June 11, 1945, Serial No. 598,870
3 Claims. (Cl. 128—339)



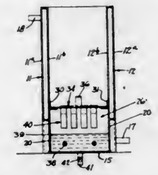
1. A suturing assembly comprising a needle, an enlargement attached to one end of the needle, and an adjustable stop adapted to be mounted upon the shank of the needle, said stop comprising a sleeve of resilient material and a band of stiff material encircling the sleeve, said band having sufficient inherent stiffness to be capable of retaining a new shape when distorted.

2,413,143
RODENT GUN
Harry H. Jucksch, Berkeley, Calif., assignor to Wheeler, Reynolds and Stauffer, a corporation of California
Application August 11, 1942, Serial No. 454,400
1 Claim. (Cl. 43—124)



A device for measuring out a liquid charge of a noxious material and for discharging said charge under pressure to vaporize the same in a rodent burrow, said device comprising a vessel for retaining a supply of said liquid noxious material, a discharge hose having an inlet and an outlet, an atomizing spray nozzle on the outlet end of said hose adapted to pass liquid for spraying substantially only on creation in said hose of a pressure in excess of atmospheric, a valve positioned at the inlet end of said hose and biased normally to a closed position, and a pump for withdrawing liquid from said vessel and forcing it against and past said valve into said hose and through said nozzle, said spray nozzle including a hollow discharge nozzle having an outlet at one end and a valve member spirally cut on its periphery and rotatably mounted in said discharge nozzle cooperatively adjacent said end, with a central capillary passage therethrough.

2,413,144
METHOD OF FINISHING CONTAINERS IMPREGNATED WITH WAX
William N. King, Anoka, Minn., assignor to Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
Application August 22, 1944, Serial No. 550,667
5 Claims. (Cl. 117—63)



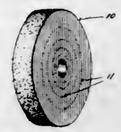
1. The method of finishing shotgun shells fabricated of wax impregnated paper which comprises suspending the completed shells in an enclosed space a short distance above and in the hot vapors from a boiling solvent for said wax, said shells having a temperature below the boiling point of the solvent when first suspended, removing the shells from the vapor after their temperature has been elevated by contact with said hot vapors, thereafter while hot placing said shells in an enclosed space wherein the vapor pressure of the solvent is maintained at a minimum, and applying a lacquer coating to the thus surface-dewaxed shells.

2,413,145
LAMINATED PLYWOOD ARCH
Ernest J. Kump, Jr., Millbrae, Calif.
Application July 20, 1943, Serial No. 495,425
3 Claims. (Cl. 20—2)



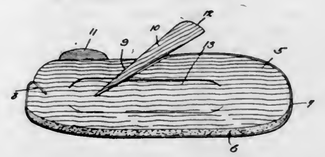
1. An arch frame in a building comprising a row of spaced arch members, each of said members being a pair of half arches respectively having a vertically extending leg and an arch rib integral therewith extending generally horizontally from the upper end of such leg, the juncture between the leg and rib of each half arch providing a shoulder and the said shoulders of the half arches being notched on their outer sides relative to the inside of the arch formed by each pair to provide an upwardly and laterally opening recess in each half arch for receiving a stringer, a pair of parallel elongated stringers fitted in the said notches along opposite sides of the frame formed by the said half arches, said stringers being substantially flush along their upper sides with the upper surfaces of said arch ribs and the sides of the stringers facing laterally outwardly of said half arches being substantially flush with the laterally outwardly facing surfaces of said legs whereby said upper and laterally outwardly facing sides of said stringers will coact with the said surfaces of said arch ribs and legs for engaging flat roof and side walls to be carried on said surfaces.

2,413,146
FIREPROOF WIPER ROLL
Ralph A. Larson, Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 15, 1943, Serial No. 494,875
3 Claims. (Cl. 15—230)



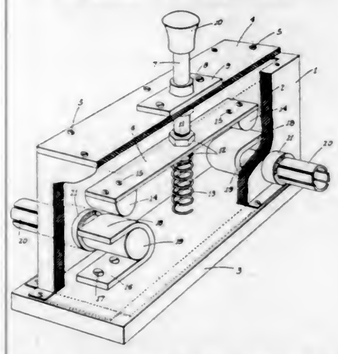
1. A wiper roll for removing excess silver-lead solder in a soldering machine and resistant against ignition at a solder-fusion temperature exceeding that of the thermal decomposition of organic materials, consisting of fibrous cellulosic textile material constituting a disk, and a solid residue deposited in the fibers thereof; said residue consisting of the deposit from an aqueous solution containing from 6 to 16 percent of fireproofing material selected from the group consisting of inorganic tungstate, phosphate and borophosphate salts when dried; the periphery of the disk with the deposit therein having essentially the same characteristics of softness and flexibility as the untreated material.

2,413,147
HAND SANDER
Malcolm C. Lawrence, Bremerton, Wash.
Application September 14, 1945, Serial No. 616,326
2 Claims. (Cl. 51—187)



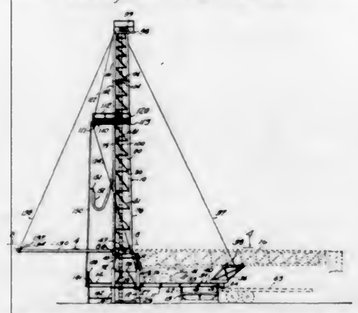
1. A hand sander comprising a body portion having a slot formed in one end thereof, said slot adapted to accommodate one end of a sanding strip, said body portion having a slot in the upper surface thereof in which the opposite end of the sanding strip is positioned, the intermediate portion of the sanding strip being stretched over the lower surface of the body portion, a wedge-shaped block adapted to be fitted in the slot formed in the upper surface of the body portion in contact with the sanding strip, securing the sanding strip to the body portion, and said wedge-shaped block having a rounded upper end spaced from the upper surface of the body portion, adapted to fit the curvature of the hand gripping the body portion during the sanding operation.

2,413,148
FOOT ACTUATED SWITCH
Virgil Ellis Christian Martin, Hayward, Calif.
Application May 12, 1944, Serial No. 535,341
2 Claims. (Cl. 200—159)



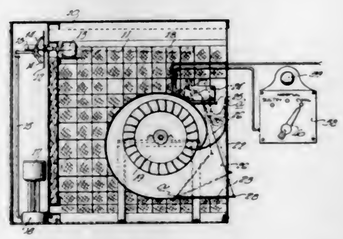
1. A switch comprising an upstanding, elongated switch box having a base, sides and a top, an elongated contact bar disposed lengthwise in the box between the base and top, a plunger slidably extending into the box from above and through the top, means securing the bar intermediate its ends to the plunger, the upper end of the plunger being exposed for foot actuation, contact blocks on and depending from opposite ends of the bar, said blocks being semi-circular in cross section with the curved portion lowermost, generally U shaped contacts fixed on the base below and for engagement by corresponding contact blocks, said U shaped contacts having one leg secured to the base and the other leg uppermost and substantially parallel to the bar, cable connectors extending through the sides of the box and attached in the cradle of corresponding ones of said U shaped contacts, and an upstanding compression spring between the base and bar normally urging the latter upwardly to a position with the contact blocks clear of the fixed contacts.

2,413,149
PORTABLE DERRICK
Robert E. McCarthy, Bakersfield, and Emil A. Bender, Long Beach, Calif.
Application June 28, 1944, Serial No. 542,552
14 Claims. (Cl. 189—16)



1. A portable derrick structure comprising an upstanding base having spaced opposite pairs of legs, a derrick body, means for pivotally supporting one side of said derrick body on two opposite legs of said pairs, releasable means for supporting the side of said derrick opposite said pivot means with respect to the other opposite legs of said pairs, said upstanding base and the lower portion of said derrick body being constructed and arranged with respect to each other for the swinging of such lower portion of said derrick body into the space between said opposite pairs of legs, said derrick normally extending substantially vertically upwardly with its lower end terminating substantially in a common plane with the top of said base, a substructure on which said upstanding base is arranged and which extends substantially beyond said opposite pairs of legs, and rigid brace means extending from said substructure upwardly and inwardly on opposite sides of said base and connected to the latter.

2,413,150
REMOTE CONTROL FOR EVAPORATIVE COOLERS
Winn W. McReynolds, Dallas, Tex., assignor to Great National Air Conditioning Company, Dallas, Tex.
Application January 9, 1945, Serial No. 571,993
1 Claim. (Cl. 230—114)

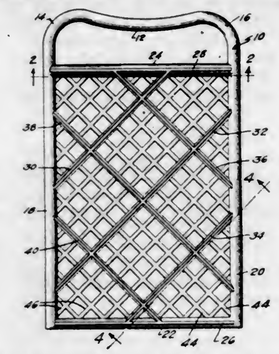


An air volume control for air evaporative coolers including in combination with the blower and blower casing of said cooler, a damper movable to vary the discharge area of said casing, means for automatically operating said damper, said means comprising a motor having cable connection with said damper, a solenoid, a plunger actuated by said solenoid and engageable with the armature of said motor to stop the same at predetermined positions of said damper and means for remotely controlling said damper operating means to predetermine the position of said damper in relation to the discharge opening of said casing.

2,413,151
PLASTIC GRATER
Arthur A. Nu Dell, Chicago, Ill.
Application October 24, 1942, Serial No. 463,282
4 Claims. (Cl. 146—177)

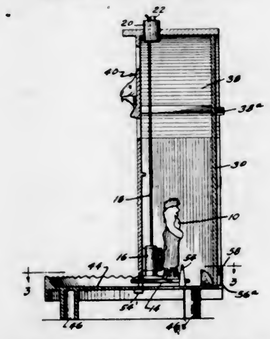
1. A one-piece grater formed of a plastic composition comprising a generally rectangular frame member having a handle portion at one end thereof, said frame member formed to an arc, a reinforcing brace formed on the bottom of the upper and lower frame members, said braces having flat back edges, diagonally directed braces connecting the four sides of the frame, the back edges of the same lying in the same plane as the back edges of said first mentioned braces, and a plurality of equally spaced webs extending diagonally in both directions across said frame, said webs all being of equal thickness, all of said webs

having spaced teeth formed in the upper faces thereof, said diagonal braces also having webs



upon their faces, said webs having spaced teeth therein.

2,413,152
TOY HOUSE
Arthur A. Nu Dell, Chicago, Ill.
Application December 6, 1944, Serial No. 566,945
7 Claims. (Cl. 46—19)

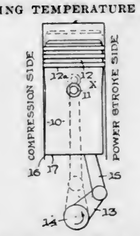


1. A miniature house construction having openings in the front wall thereof for figurettes on a platform suspended by a catgut and adapted to swing about a pivot and emerge through either of the openings in the front wall of the house, said construction comprising in combination a house portion having roof sections, a front wall and side walls, said front wall having a pivot for the platform of said statuettes and a pair of openings therein on opposite sides of the pivot, a flat back wall portion adapted to fit in the inside edge of the house portion at its open rear end, a pair of openings in said wall portion and a pair of lugs on the roof sections of said house portion adapted to engage in said openings to support said back wall portion, a base portion having a floor with a pair of openings therein, guide ledges aligned with said openings, said house portion having downwardly and forwardly projecting lugs adapted to engage in said openings, a notch in the back edge of each of the side wall portions of the house portion, vertically and horizontally disposed lugs on the back edge of said base adapted to engage said notches, a space between the back edge of the side walls and said horizontal lugs to receive the back wall portion, and posts on the floor of said base against which said back wall rests.

2,413,153
PROCESS FOR CATALYTIC HYDROGENATION OF ALIPHATIC NITROHYDROXY COMPOUNDS
Walter K. O'Loughlin, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application March 26, 1943, Serial No. 480,664
8 Claims. (Cl. 260—584)

1. In the continuous hydrogenation of nitrohydroxy compounds, the process which comprises mixing a solution of a nitrohydroxy compound in an inert solvent with an excess of hydrogen, continuously passing the resulting mixture under elevated pressures ranging from about 500 to 2000 pounds per square inch in an upward direction through a series of hydrogenating zones filled with pellets of an inert character impregnated with a hydrogenation catalyst, maintaining the first of said zones at a temperature of about 40° to 55° C., and the final zone at a temperature of about 80° to 100° C., and recovering the resulting amino alcohol.

2,413,154
TRUNK-PISTON BODY
Edward Porter, Bradenton, Fla.
Application October 30, 1944, Serial No. 561,034
6 Claims. (Cl. 309—11)



1. A trunk-type piston having a cylindrical body with a reduced circumferentially-extending piston-ring area at its head end portion so as not to touch the cylinder walls when expanded under heat, the upper portion of the surface of the said cylindrical body below said ring area being reduced to less radii on the power-stroke side thereof, when cold, to an extent substantially proportionate to its radial expansion in excess of the radial expansion of the bottom portion thereof, when the piston-body is under its operating temperatures and pressures, whereby the body below said ring area on its power-stroke side will be a substantially straight line and conform to the opposing wall of the cylinder when radially expanded under operating temperatures.

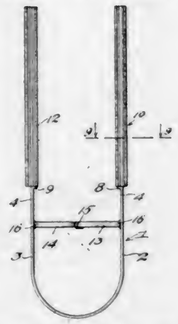
2,413,155
LOOM
Gustav W. B. Rickelmann, Paterson, N. J., assignor of forty per cent to Victor Mosca, Paterson, N. J.
Application October 18, 1944, Serial No. 559,140
16 Claims. (Cl. 139—126)



15. In a loom, the combination of the batten and a device for drawing filling through the weaving zone including a shuttle movable lengthwise of the batten, said device having fast to and lateral of the shuttle an elongated flexible clamp-

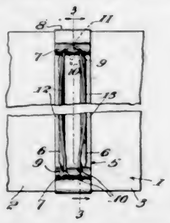
ing member extending lengthwise of the batten and having a free end portion normally urged into coactive clamping relation to another portion of said device.

2,413,156
SHARPENING DEVICE
Sigmund Tarapczynski, Buffalo, N. Y., assignor of twenty-five per cent to Mathias J. Gehen, twenty-five per cent to Joseph J. Agugliaro, and twenty-five per cent to John Orosz, all of Buffalo, N. Y.
Application September 12, 1945, Serial No. 615,825
1 Claim. (Cl. 51—214)



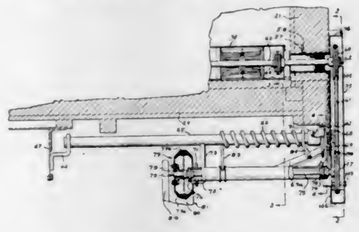
A sharpening device for knives comprising a sharpening stone holder of U-shape in cross-section and including a hand grip end portion with sides of resilient material flexible toward and from each other, elongated sharpening stones with flat sharpening faces mounted on said sides to extend endwise therefrom parallel therewith and movable into crossed relation upon flexing of said sides toward each other to form a V-shaped sharpening notch for straddling the edge of a knife blade, and a pivoted link connection between said sides of the hand grip portion for limiting flexing of said sides away from each other, the mounting for said stones comprising pairs of stone-holding bars on which said stones are slidably fitted with side edge grooves therein receiving said bars, said bars being thinner than said stones to lie between the sharpening faces of said stones so that said faces are clear of said bars.

2,413,157
BINDER
Hugo Thomsen, Washington, D. C.
Original application May 29, 1943, Serial No. 489,011. Divided and this application October 12, 1944, Serial No. 558,351
5 Claims. (Cl. 281—19)



5. In a binder, a backing member having a V-shaped projection adjacent each end and each provided with a pair of alined openings, said backing member having two longitudinal spaced ribs between said projections, a substantially U-shaped retaining member between the projections and one end having a bight portion lying back of one wall between the openings of a projection with the legs extending above the ribs and the ends thereof entering the openings in the other projection and removable therefrom by bowing.

2,413,158
DRIVING MECHANISM
William E. Van Dorn, Pasadena, Calif., assignor to Preco Incorporated, a corporation of California
Original application July 9, 1940, Serial No. 344,509, now Patent No. 2,349,315, dated May 23, 1944. Divided and this application August 13, 1943, Serial No. 498,536
29 Claims. (Cl. 105—114)



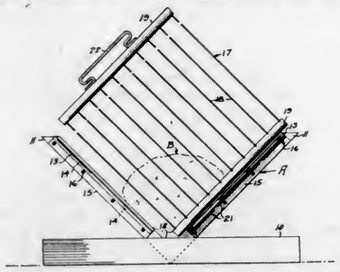
12. In a car structure having a body and running gear including a wheel and axle element; driving mechanism for an accessory which is carried by the car body and which has an operating shaft; said driving mechanism including a driving shaft, mounting means for the driving shaft on the car structure including a rigid mounting member on which the driving shaft is journalled near its ends, a pair of arms independently pivotally connected each at one end to the car structure and supportingly connected at their other ends to the mounting member near its ends, at least one of said connections of each arm being capable of allowing universal swivelling movement, power transmission connection between the wheel and axle element and one end of the driving shaft, and power transmitting connection between the other end of the driving shaft and the accessory shaft.

2,413,159
CERAMIC BODY
Woldemar A. Weyl, State College, Pa., assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application April 2, 1943, Serial No. 481,589
20 Claims. (Cl. 106—55)

1. A ceramic body comprising refractory phosphate particles bonded together in said body by means of a glassy matrix essentially comprising a multicomponent trivalent metal metaphosphate glass.

2,413,160
POTATO SLICER
Paul Baker Witmer, Lancaster, Pa.
Application March 9, 1945, Serial No. 581,877
2 Claims. (Cl. 146—147)

1. A slicer of the kind described, comprising a substantially V-shaped rack having side-panels provided with aligned spaced parallel slots opening through the outermost free edges of such panels, hinge means extending along the side and at the end of each of the panels, a bladed slicer frame and means on one end of the frame for a

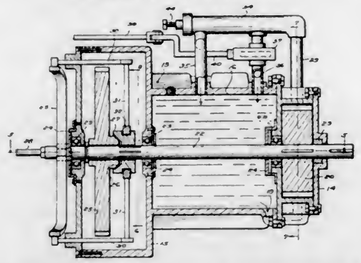


detachable connection with either of said hinge means whereby the frame may be swung into the V-shaped rack and in a direction of right angles to the slots therein.

2,413,161
SURFACE ACTIVE AGENTS
Ernst Zerner, New York, and William Kaplan, Brooklyn, N. Y., assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 22, 1944, Serial No. 541,664
1 Claim. (Cl. 260—505)

In the process of manufacturing sulfonated alkylated monocyclic aromatic hydrocarbons by condensation of unsaturated aliphatic hydrocarbons with benzene and its homologues under the influence of aluminum chloride by means of a Friedel-Crafts synthesis and by sulfonating the condensation product, the step which comprises condensing cracked mineral oil fractions boiling under normal pressure between 150–300° C., and containing not more than 10–35 per cent. of unsaturated hydrocarbons with monocyclic hydrocarbons of the class consisting of benzene, toluene, and xylene, in the presence of aluminum chloride.

2,413,162
FLUID BRAKE
Harold M. Ackerman, Ontario, Oreg., assignor of one-half to Forrest L. Cozad, Ontario, Oreg.
Application November 15, 1945, Serial No. 628,836
5 Claims. (Cl. 188—92)



1. The combination with a motor vehicle transmission including a transmission case having an opening in one side, and speed gears in said case, of a fluid brake for the vehicle including a housing secured to the side of the transmission case and providing a pump case, a gear chamber, and a fluid reservoir between the pump case and the gear chamber and communicating with the pump case, coacting pump gears rotatable in the pump case for normally maintaining a flow of fluid from the reservoir through the pump case back to the reservoir, manually adjustable means for checking the flow of fluid from the pump case back to the reservoir, a drive shaft for one of the pump gears extending through the reservoir into the gear chamber, said gear chamber having an open side registered with the opening of the transmission case, and a driving gear carried by said drive shaft within the gear chamber and projecting through the opening of the transmission case into mesh with one of said speed gears.

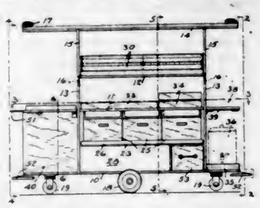
2,413,163
FLAMEPROOF ORGANIC FIBROUS MATERIAL AND COMPOSITION THEREFOR
Osborne Coster Bacon, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 24, 1943, Serial No. 515,586
11 Claims. (Cl. 260—3)

1. An aqueous composition for flameproofing organic fibrous material, comprising a stable, homogeneous, aqueous suspension of at least three components, namely (1) an inorganic flameproofing agent, (2) an organic flameproofing agent and (3) a joint protective and dispersing agent; said inorganic flameproofing agent being a metal compound of the group consisting of the oxides and sulfides of antimony, arsenic, bismuth and tin; said organic flameproofing agent being a chlorine-containing, non-volatile water-insoluble, organic compound whose chlorine content is not less than 20% by weight and which liberates at least half of said chlorine, in the form of hydrogen chloride, upon being heated to a temperature between 300 to 400° C.; and said joint protective and dispersing agent being a water-soluble, acid-insoluble reaction product of the group obtained by reacting (*a*) formaldehyde, in aqueous medium with (*b*) a protein which had been rendered water-soluble by reaction with an aliphatic amine and (*c*) a reagent selected from the group consisting of phenol, melamine, urea and diamides of aliphatic dicarboxylic acids having not more than 6 carbon atoms per molecule; said joint protective and dispersing agent being further characterized by its capacity to form an insoluble film upon being dried, and by its capacity to react with hydrogen chloride which may be slowly liberated by said organic flameproofing material upon storage of the treated fibrous material, thereby counteracting the tendering action which said liberated hydrogen chloride otherwise exerts upon said fibrous material.

2,413,164
CAFETERIA CART
James R. Boldt and David H. Boldt, Seattle, Wash.
Application November 23, 1942, Serial No. 466,700
2 Claims. (Cl. 296—22)

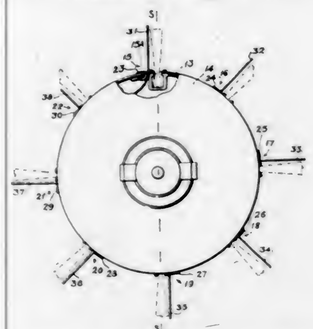
1. In a cafeteria cart, portable frame means; a food storage compartment carried by said frame means; depressed receptacles for food pans extending into the top portion of said food storage compartment; slidable covers for said receptacles; and guide means supporting said covers for movement into open and closed position relative to said receptacles, said guide means forming food

tray supports above said receptacles and said covers forming food tray supports at the sides of



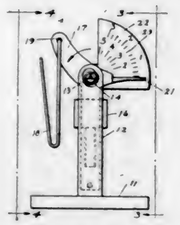
said receptacles when said covers are in open position.

2,413,165
SHIELD FOR SANDING DRUM SLOTS
Teofil L. Bonkowski, Los Angeles, Calif.
Application April 24, 1945, Serial No. 590,025
2 Claims. (Cl. 51—194)



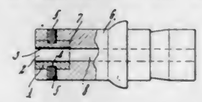
2. In a sanding drum, the combination of a drum having a peripheral wall formed with a plurality of slots spaced therearound through which abrasive strips are extended, a peripheral wall along one long edge of each slot being beaded, and removable wear clips passed over the peripheral wall and over beaded edges thereof and being held to the peripheral wall behind said beads.

2,413,166
LETTER SCALE
Reginald M. Bowman, Baltimore, Md.
Application February 12, 1945, Serial No. 577,431
3 Claims. (Cl. 265—61)



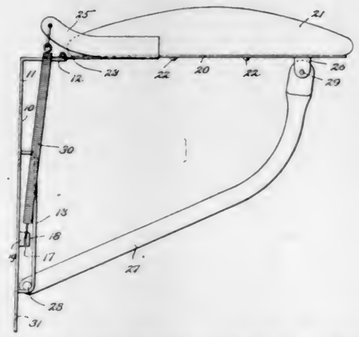
1. A postal scales of the class described comprising in combination, support means, a vertical suspension member pivotally mounted on said means and adapted to rotate thereon from a vertical position to one side thereof, said member having an angular and curved arm near the upper portion thereof and an indicating needle laterally disposed on the opposite side of the pivotal axis and movable in coordination with the arm, a basket for articles to be weighed mounted on the arm and disposed adjacent to said support means so that the center of gravity of the basket and articles will be under the point of attachment of the basket to the arm, and means mounted on the first mentioned means for indicating the weight from the position of the needle adjacent thereto.

2,413,167
SANDBLAST NOZZLE
James R. Bugley, Boston, Mass., assignor of one-half to Raymond Hunter, Boston, Mass.
Application July 10, 1945, Serial No. 604,256
3 Claims. (Cl. 51—11)



1. A nozzle element comprising a metal tube having its inner face impregnated with commercial diamond dust particles.

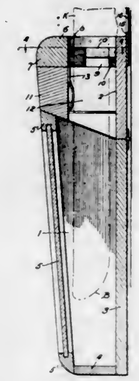
2,413,168
FOLDING SEAT
Joseph Leo Caffrey, Malden, Mass.
Application October 5, 1945, Serial No. 620,496
1 Claim. (Cl. 155—83)



A folding seat, comprising a pair of spaced leg members terminating at their upper ends in a forwardly projecting plate, a seat member hingedly connected to said plate at the forward edge thereof, said seat member having a pair of brackets on the opposite sides thereof near the rearward end of the same, said brackets projecting upwardly and rearwardly when the seat member is in its horizontal position and downwardly and rearwardly when said seat is in its vertical position, a swinging seat-support comprising a pair of spaced arms terminating in a cross piece at the lower ends thereof, the ends of said cross piece projecting beyond said arms, each said leg member having a strap spaced forwardly therefrom and extending throughout a portion of the length thereof, the projecting ends of said cross piece being disposed between said leg members and said straps, means pivotally connecting the upper ends of said arms to said seat member, and a pair of springs each connected between the lower portion of said leg members and the rearward end of said brackets, the tension

of said springs being sufficient to hold the seat member in its vertical position but insufficient to raise said seat member from its horizontal to its vertical position.

2,413,169
KNIFE SHARPENER
Emerson E. Case, Perry, N. Y.
Application March 15, 1945, Serial No. 582,857
2 Claims. (Cl. 51—214)

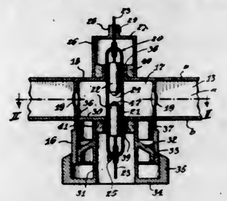


1. Knife sharpening rack comprising a container enclosing a chamber in which to sheathe the blade of a knife, a wall of said container having a slot giving access to said chamber, said slot being elongated in a front to back direction and having its cross-sectional area longer and wider than the blade which it is adapted to accommodate to permit easy insertion of said blade, a pair of opposed hones within said chamber below said slot, angularly arranged one above the other with their adjacent ends lapping, and their working faces in planes which form a dihedral angle whose apex intersects the area of said slot near the back end of the latter, and a spring within said chamber adjacent said hones, fixed to said container below the front end of said slot, having a yielding portion extending toward said apex so that the distance from said yielding portion to said apex is normally less than the length dimension of the cross-section of the knife blade, whereby said knife blade is pressed by said spring toward said hones and guided to a position coincident with the bisecting plane of said dihedral angle should it be inserted inclined with respect to said bisecting plane.

2,413,170
LIQUID STABLE AT LOW TEMPERATURES
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 1, 1943, Serial No. 481,462
4 Claims. (Cl. 252—65)

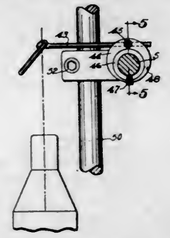
1. A low viscosity liquid composition of matter which is capable of remaining liquid at about —40° C. for protracted periods without the formation therein of crystals, which composition consists principally of (1) a mixture of chlorinated ethyl benzenes and (2) mineral oil constituting from about one to seven percent by weight of said composition.

2,413,171
SWITCH
David Gordon Clifford and Ernest C. Okress, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 8, 1942, Serial No. 461,336
8 Claims. (Cl. 178—44)



1. A TR box comprising a non-evacuated enclosure forming a resonant chamber having a cylindrical side wall, and said side wall having window openings to the exterior of said chamber, and a cartridge structure insertable through said chamber, said cartridge structure comprising a partially evacuated envelope and electrodes separated by a gap within said partially evacuated envelope, said gap being substantially opposite said window openings.

2,413,172
THREAD BOARD FOR SPINNING FRAMES
Louis M. Cotchett, Hingham, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Original application July 16, 1941, Serial No. 402,581. Divided and this application August 16, 1944, Serial No. 549,740
3 Claims. (Cl. 57—109)

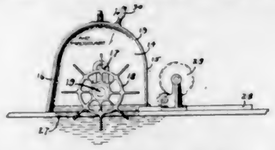


1. In a spinning frame, a thread board comprising a horizontal bar of circular section, a series of lappets mounted on said bar, each of said lappets comprising a collar supported on said bar for adjustment around the axis of the bar, and a thread guide having a guiding eye at its outer end and including a shank extending through a transverse hole in a part of said collar encircling said bar whereby it is adjustable in a direction transverse to said bar, and means for locking said thread guide in different adjusted relationships to said collar.

2,413.173
SHIP PROPULSION
Romeo Cote, Providence, R. I.
Application June 30, 1945, Serial No. 602,529
5 Claims. (Cl. 115—49)

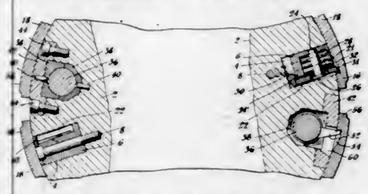
1. A device for propelling ships comprising a housing having an open bottom and positioned over an opening in the bottom of a ship, a shaft

mounted in said housing and extending through the sides thereof, a paddle wheel in said housing mounted on said shaft, means for vertically adjusting the height of said shaft and paddle



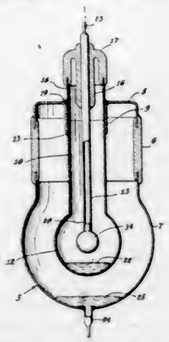
wheel in said housing, means for closing the opening in the bottom of the ship when the shaft and paddle wheel are in raised postion, and power means for rotating said shaft and paddle wheel.

2,413,174
ROTARY PRINTING PRESS
Curtis S. Crafts and Charles Alonzo Harless, Oak Park, Ill., assignors to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application December 2, 1943, Serial No. 512,530
19 Claims. (Cl. 101—378)



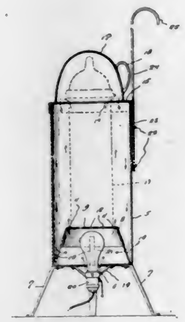
1. In a rotary printing press, a plate cylinder for exerting circumferential tension on a stereotype plate, comprising resilient means for exerting tension on the trailing edge of the plate and means, including a torsion shaft extending longitudinally of the plate cylinder, for exerting tension on the leading edge of the plate, against the tension of said resilient means.

2,413,175
TRIGATRON TUBE
Clarence E. Dawley, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1944, Serial No. 555,933
4 Claims. (Cl. 250—27.5)



1. A spark-gap device for supporting a high voltage arc discharge comprising an envelope provided with an inert gaseous medium and a plurality of concentrically disposed spaced spherical electrodes including an anode, a cathode, and a trigger electrode operable upon the application of a high voltage pulse thereto to cause an arc discharge between the trigger electrode and said cathode and an attendant substantially instantaneous initiation of an arc discharge with said anode; and a quantity of liquid metal in contact with said spherical trigger electrode and said spherical cathode respectively and constituting the surface of each electrode impinged by the resulting arc discharges, thus eliminating sputtering of electrode material otherwise occurring from the electrode surface impinged by the arc discharge with an attendant variation in electrode spacings and operating characteristics which destroy the useful life of the device.

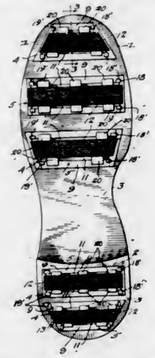
2,413,176
MILK BOTTLE HEATER
Emsley T. Deaton, Brownsboro, Ala.
Application February 2, 1945, Serial No. 575,875
1 Claim. (Cl. 219—45)



A bottle heater comprising a translucent container having a centrally apertured lower end, an electric lamp mounted in the aperture of the lower end of the container, means supporting the container in raised position and affording access to the lamp, a milk bottle stand formed by the inverted bottom of an inverted frustum of a hollow cone supported above the lower end of the container and lamp, the container having an annular perforated top defining a central opening registering with the inverted bottom of the stand, downwardly bent hooks secured to the exterior of the container, hooked suspending means having apertures for the hooks and adapted for connection to the container, and a cover surrounding the perforations in the top of the container.

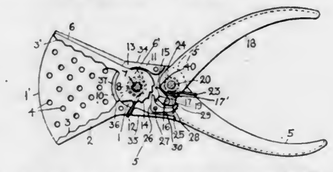
2,413,177
SHOE CLEAT
Antonio de Stefano B, El Paso, Tex.
Application November 29, 1945, Serial No. 631,641
3 Claims. (Cl. 36—59)

1. A shoe cleat comprising a base plate adapted to be secured firmly against the under surface of a shoe and provided along its side edges with flanges defining internal channels constituting tracks, a pad for fitting between the flanges of the base plate, and strips extending along opposite side faces of said pad and constituting mounting rails having outstanding flanges engaged in the tracks of the flanges of the base plate, said rails having members bent to engage



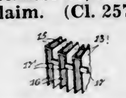
ends of the flanges of the base plate and firmly hold the pad in place.

2,413,178
FRUIT JUICE SQUEEZER
Charles A. Feltman, Brooklyn, N. Y.
Application January 25, 1945, Serial No. 574,512
6 Claims. (Cl. 100—41)



1. A fruit squeezer comprising a body; a cup-shaped member on the body arranged to receive a fruit to be squeezed; a stationary jaw formed at one edge of the cup-shaped member; a fixed handle extending from the body; a movable jaw pivotally supported on the body; ratchet teeth on the movable jaw; a pawl arranged to engage the ratchet teeth; a movable handle pivotally supported on the body and operatively connected with the pawl for causing the movable jaw to move towards the stationary jaw in response to the movable handle being moved towards the fixed handle; a second pawl engaging the ratchet teeth and pivotally supported on the body; yieldable means to urge the second pawl towards the ratchet teeth for preventing the backward movement of the movable jaw; and an extension on the second pawl arranged to be engaged by the movable handle for releasing the second pawl from the teeth of the ratchet.

2,413,179
RADIATOR
Paul E. Grandmont, East Orange, and Leo C. Werner, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1943, Serial No. 503,018
1 Claim. (Cl. 257—263)



A radiator comprising sheet material formed with a plurality of fins in annular series, webs

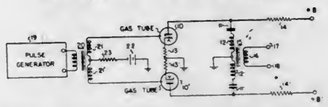
connecting said fins at their outer edges in groups of two, and tabs between successive fins of successive pairs of fins for spacing and bracing said pairs of fins from each other.

2,413,180
TROUSER WAIST GRIP
Amedeo D. Grisanti, Mount Vernon, N. Y.
Application November 15, 1945, Serial No. 628,718
6 Claims. (Cl. 2—237)



1. A waist grip adapted to be fastened to the inside of a pair of trousers at one side thereof to adjustably alter the waist thereof comprising a flexible strap adapted to be fastened to said trousers inside, an elastic strap superposed on said flexible strap, detachable fastening means connecting said straps substantially at the middle thereof, detachable fastening means connecting said straps at one end thereof, and detachable fastening means adjustably connecting said straps at the other end thereof, said elastic strap being shorter than said flexible strap, said flexible strap having more of its length between said middle means and said adjustable means than between said middle means and the other of said fastening means.

2,413,181
SIGNAL GENERATOR
Rudolf C. Hergenrother, Beechhurst, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application February 9, 1944, Serial No. 521,637
10 Claims. (Cl. 178—44)

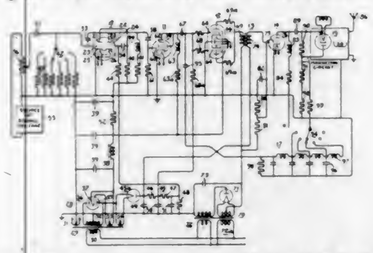


1. A signal generator comprising, means for developing a first signal of pulse wave form each pulse of which has a steep edge portion and an exponential edge portion, means for developing a second signal of pulse wave form each pulse of which has a smaller amplitude than said each pulse of said first signal and has a corresponding steep edge portion and an exponential edge portion similar to, and coextensive in time with, at least a part of said first-mentioned exponential edge portion, and means for differentially combining said signals to obtain a resultant signal of substantially rectangular-pulse wave form having substantially zero amplitude during said coextensive time.

2,413,182
RADIO COMMUNICATION SYSTEM
Guilford L. Hollingsworth, Schenectady, and Richard C. Jensen, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application February 10, 1943, Serial No. 475,352
5 Claims. (Cl. 250—36)

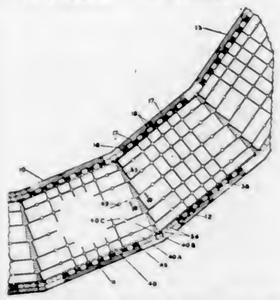
1. In a radio communication system, means for producing a succession of discrete pulses of predetermined time duration, means for amplify-

ing said pulses, means for impressing said pulses on said amplifying means, said amplifying means having an output circuit in which the amplified pulses appear, means utilizing each of said amplified pulses for disabling said amplifying means



at predetermined times less than the full time duration of said pulses, and means utilizing the voltage appearing in said output circuit at the initiation of each of said pulses for causing the pulses impressed on said amplifier to have a steep rise on the leading edges thereof.

2,413,183
FURNACE WALL
Louis H. Hosbein, Glencoe, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a corporation of Delaware
Application July 3, 1944, Serial No. 543,263
19 Claims. (Cl. 72—101)

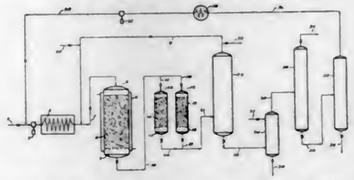


1. A lining for protecting supporting walls in furnaces, said lining comprising rows of spaced supporting bars, means mounting said bars on the wall, casting supports in said bars, box castings having projections engaging said supports, refractory tile interposed between adjacent castings on a row of bars, liner plates covering the castings and tile and retaining buttons having head portions overlapping the adjacent exposed faces of said liner plates, neck portions projecting from the head portions into said box castings and locking portions in the box castings whereby to hold the liner plates in place.

2,413,184
METAL ALUMINATE ADSORBENTS AND METHOD OF MAKING SAME
William A. La Lande, Jr., Upper Darby, Pa., assignor to Porocel Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 14, 1942, Serial No. 434,728
10 Claims. (Cl. 23—52)

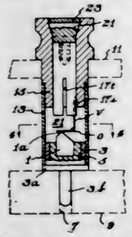
1. The method of producing an adsorbent, which comprises reacting in aqueous solution an alkali metal aluminate and a water-soluble salt of a metal capable of forming a water-insoluble metal aluminate, in the presence of a compound yielding NH_4+ ions in aqueous solution, separating the insoluble metal aluminate from said solution, and washing said insoluble aluminate to remove soluble salts.

2,413,185
REMOVAL OF VOLATILE METAL HALIDES FROM FLUIDS
William A. La Lande, Jr., Upper Darby, Pa., assignor to Porocel Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 27, 1944, Serial No. 537,718
14 Claims. (Cl. 23—154)



1. The method of removing a volatile metal halide from a non-aqueous fluid containing same, which comprises contacting said fluid with an alkali metal acid sulfate to form alkali metal sulfate, metal sulfate, and hydrogen halide.

2,413,186
ART OF MOUNTING CRYSTAL DETECTORS
William D. La Rue, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1942, Serial No. 432,818
5 Claims. (Cl. 250—31)

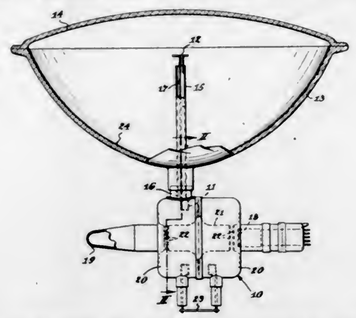


1. A device of the character described comprising an envelope containing a detector crystal, a metal sleeve having a bore which communicates with the interior of said envelope, a piston in the bore of said sleeve, a contact element for said crystal mounted on said piston adjacent its inner end, means of low effective impedance for biasing the wall of said piston into engagement with the inner surface of said sleeve, and means for moving said piston and hence said contact element into engagement with a surface of said crystal against the force of said biasing means.

2,413,187
DEVICE FOR RADIATION OF RADIO WAVES
William H. McCurdy, Caldwell, N. J., and John A. Hutcheson, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 6, 1942, Serial No. 433,606
2 Claims. (Cl. 250—11)

1. An ultra high frequency device comprising in combination an ultra high frequency generator

having an envelope defining a chamber therein, said chamber being evacuated, a second envelope protruding from the first said envelope, said second envelope having a rear reflecting wall and a forward wall vacuum sealed therewith thereby defining a chamber therein which said chamber is also evacuated, a tubular connection between

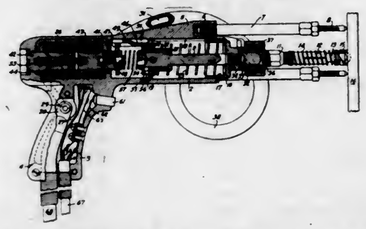


said envelopes said tubular connection opening into both said chambers and said chambers being otherwise vacuum sealed, and means within the evacuated chamber of the second said envelope for propagating output of said generator directly into space, said tubular connection constituting part of said means.

2,413,188
LUBRICANTS, ETC.
John M. Musselman, South Euclid, and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 13, 1940, Serial No. 356,692
6 Claims. (Cl. 252—33)

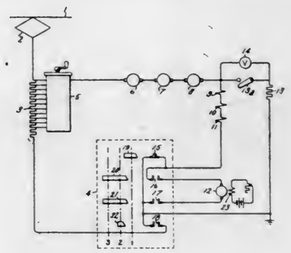
6. A lubricant capable of maintaining desirable body and clean metal surfaces under heat and drastic usage, consisting of a mineral lubricating oil containing about 0.1–10 per cent of a salt of an oxy-sulphur acid, of the formula $R.SO_4.R'$, wherein R is an alkyl or halogen-substituted alkyl radical, and R′ is a base.

2,413,189
STUD WELDING MACHINE
Ted Nelson, San Leandro, Calif.
Application March 27, 1944, Serial No. 528,196
18 Claims. (Cl. 219—4)



1. A stud welding machine comprising a housing, a plunger slidably arranged in the housing, means on the plunger for holding a stud, primary means for moving the plunger in one direction, secondary means for moving the plunger in the other direction, means interposed between the plunger and primary means for seizing the plunger when the primary means is actuated, and means located between the plunger and primary means for releasing the plunger when the plunger is moved by the secondary means.

2,413,190
ANTISLIPPAGE SYSTEM FOR PLURAL TRACTION MOTORS
Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 20, 1944, Serial No. 568,965
17 Claims. (Cl. 172—179)



1. An electric motor control system comprising a direct current series motor having an armature and a field winding coupled in series circuit relation, a variable voltage source of electric current supply having a low percentage regulation and connected to supply current to said motor, and a separate source of electric current supply for said field winding connected to supply current to said field winding in aiding relation with said variable voltage source.

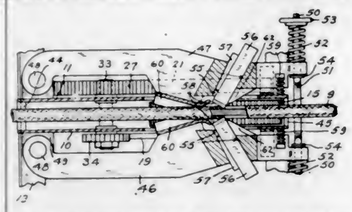
2,413,191
MANUFACTURE OF METAL-FREE PHTHALOCYANINE COLORING MATTER
Fred Shank Palmer and Peter Frederick Gross, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 22, 1945, Serial No. 579,322
5 Claims. (Cl. 260—314.5)

1. A process for preparing a metal-free phthalocyanine coloring matter, which comprises heating together an arylorthodinitrile selected from the group consisting of phthalonitrile and nitro phthalonitrile and a solid, inert diluent in the presence of methyl-glucamine and a solid alkaline reagent selected from the group consisting of the oxides and hydroxides of the alkali-metals and of the alkaline-earth metals, while continually subjecting the mixture to attrition and mixing by the aid of mechanical grinding.

2,413,192
CABLE SLITTING MACHINE
William C. Pope, Seattle, Wash.
Application October 16, 1944, Serial No. 558,897
8 Claims. (Cl. 164—39)

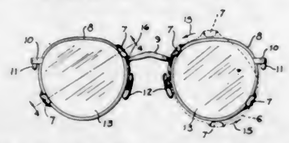
1. In a cable slitting means; knives having two oppositely disposed spaced apart cutting edges; means floatingly supporting said knives for joint floating movement in two directions; and means for continuously feeding said knives to provide continuous longitudinally extending slits on two

opposite sides of said cable, the joint floating movement of the knives in two directions provid-



ing self adjustment of the knives to varying positions of the cable.

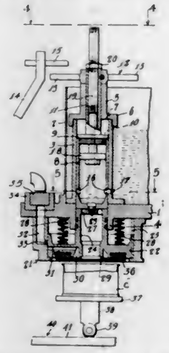
2,413,193
EYESHIELD OR SHADE
Ide L. Robblee, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 25, 1944, Serial No. 555,607
3 Claims. (Cl. 2—13)



1. A pair of detachable eye shades or shields for use with an ophthalmic mounting having a bridge portion for supporting the lenses of the mounting in spaced relation with each other with said lenses having horizontal dimensions greater than their vertical dimensions and of controlled contour shapes, said shades or shields being of similar contour shapes and sizes as the lenses and being cupped substantially to the curvature of the rear surfaces of the lenses and having clip portions so located on the periphery thereof so as to permit the main cupped portions of the shields to be placed in superimposed relation with the rear surfaces of the lenses, with the said clips straddling the vertical dimensions of said lenses and being adapted to grip with the nasal and temporal sides of the lenses through rotation of the shields relative to the lenses and when in proper gripping relation simultaneously cause the contour edges of the lenses and shields to register with each other.

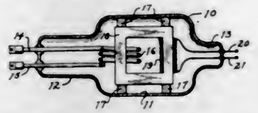
2,413,194
FILLING VALVE
Clyde D. Russell, Oakland, Calif., assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
Application August 7, 1944, Serial No. 548,410
8 Claims. (Cl. 226—116)

1. A filling apparatus comprising: a tank structure; a vacuumizing means under said tank structure, a reciprocable member adapted to effect sealing engagement with a container to be filled and adapted by its movement to effect communication between the interior of said container and a source of sub-atmospheric pressure; means defining a cylinder extending upwardly into said tank structure and having a lower open end communicating with the interior of said container; a hollow plunger means in said cylinder, including a lower part fixed to said reciprocable member, an upper relatively rotatable part, and valve means between said parts for discharging liquid from said upper part into said container; and other valve means between said upper part and the interior of said tank structure for admitting liquid into said upper part; said plunger means adapted



by reciprocation and relative rotation of said upper and lower parts to control said valve means and thereby admit liquid into said upper part and thereafter discharge said liquid into said container sealed to said reciprocable member.

2,413,195
HIGH POTENTIAL CURRENT TRANSFORMER MEANS
August C. Schwager, Millbrae, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application December 21, 1942, Serial No. 469,613
5 Claims. (Cl. 175—358)

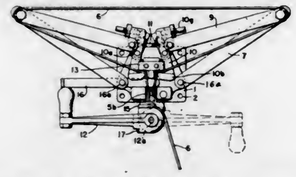


1. A current transformer for use on high potential circuits, comprising an evacuated envelope having a magnetic core mounted therein and surrounded by a vacuum, a primary winding mounted in loose coupled magnetic relation upon said magnetic core within said evacuated envelope and adapted to be excited by the line current of a high potential circuit, and a secondary winding mounted upon said core in close coupled inductive relation with said magnetic core, characterized by the fact that said primary winding will be electrically insulated from said magnetic core and from said secondary winding solely by the evacuated space therebetween within said evacuated envelope.

2,413,196
WIRE GARMENT HANGER MAKING MACHINE
William A. Scroggs, San Diego, Calif.
Application September 11, 1944, Serial No. 553,516
8 Claims. (Cl. 140—81.5)

1. In a device of the character described, the combination of a fixed forming plate, a pair of levers having shaped faces and mounted adjacent said plate, a plunger operably mounted to precisely move said levers toward said plate, roller bearings mounted on said levers to minimize friction between said levers and said plung-

er, and a rotary head adapted to hold the ends of a wire blank and twist same, and a cam se-

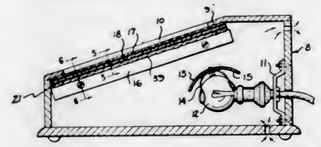


cured to said head adapted to operate said plunger when the cam is rotated.

2,413,197
AQUEOUS DISPERSIONS OF VINYL-ACETATE POLYMERS
Joseph Edward Smith and William Alexander Drummond, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 26, 1943, Serial No. 500,072
7 Claims. (Cl. 260—32)

1. A disperse aqueous system comprising in uniform distribution a vinyl-acetate polymer in fine state of subdivision with particle size averaging below 2 microns, a polymerization catalyst for vinyl acetate, a stabilizer comprising a petroleum hydrocarbon boiling above 125° C., a wetting agent being a sulfated aliphatic alcohol and a cationic surface-active agent, the said stabilizer being present in quantity of between 3 and 10% by weight, the wetting agent being present in quantity of between 1.8 and 7.2% by weight, and the cationic surface-active agent being present in quantity of between 0.37 and 2.25% by weight, all said percentages being based on the weight of the dispersed polymer.

2,413,198
LENS INSPECTING AND LAYOUT DEVICE
James A. Stewart, Cornwallis, Nova Scotia, Canada, assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application July 17, 1944, Serial No. 545,303
5 Claims. (Cl. 33—174)

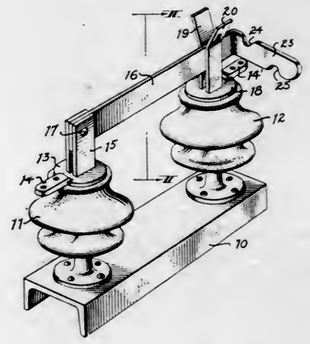


1. A device of the character described comprising a casing having a window opening therein, a laminated structure supported in said window comprising three superimposed plate-like members of transparent material and a pair of protractor chart members each sandwiched between the respective adjacent plate-like members and in laminated relation therewith, said protractor chart members being provided with scale lines of equal dimension and being in aligned relation with each other in a direction substantially perpendicular to the plane thereof, a source of illumination internally of the casing for rendering said chart members visible, the inner transparent plate member located between said chart members and said source of illumination having a light diffusing surface thereon.

2,413,199
PRODUCTION OF ALIPHATIC HYDROCARBON SULFONATES
Robert C. Taylor, Melrose Park, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 13, 1945, Serial No. 582,571
8 Claims. (Cl. 260—504)

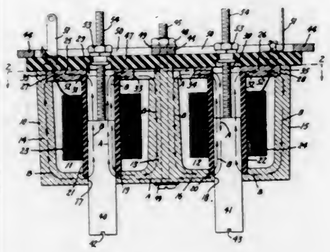
1. The method of producing a sulfuric derivative of a saturated aliphatic hydrocarbon having at least 8 carbon atoms per molecule, which comprises chlorinating said saturated aliphatic hydrocarbon and reacting said chlorinated hydrocarbon with a strong sulfonating agent in the presence of an alkyl ester of an aliphatic carboxylic acid containing from 1 to 8 carbon atoms where the alkyl group of said ester contains from 1 to 8 carbon atoms.

2,413,200
DISCONNECTING SWITCH
Joseph S. Thompson, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application March 15, 1946, Serial No. 654,532
7 Claims. (Cl. 200—169)



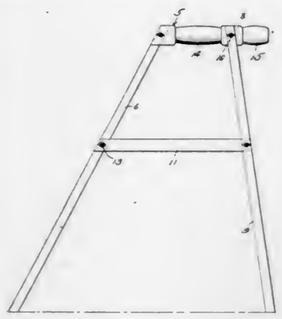
7. In a pole type disconnecting switch, the combination of a pivotally mounted switch blade having a length sufficient to permit a twisting of the free end thereof out of its normal plane, a stationary contact with which the free end of said switch blade is adapted to cooperate to complete a circuit, said stationary contact having opposed yielding contact faces between which the end of said switch blade is adapted to be positioned when in its circuit closed position, a stop forming abutment upon one of the yielding contact faces of said stationary contact for limiting the circuit closing travel of said switch blade, a locking abutment upon the other said yielding contact faces adapted to overlie the outer edge of said switch blade and lock it in its circuit closed position between said contact faces, said switch blade being bent at its free end to form a right angled extension, and an operating stick accommodating means upon said right angled extension, whereby said switch blade may be moved into its circuit closed position by an operating stick without a twisting thereof and subsequently twisted out of engagement with said locking abutment when a switch opening force is applied thereto through the operating stick.

2,413,201
RADIO-FREQUENCY TRANSFORMER
John E. Tillman, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application January 27, 1943, Serial No. 473,719
13 Claims. (Cl. 171—242)



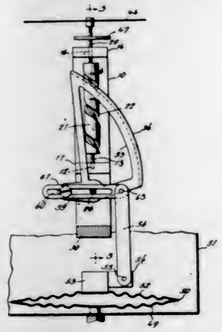
1. A radio frequency transformer comprising a body member of magnetic material having a plurality of recesses therein, said recesses being separated by a wall of said body, each of said recesses having a corresponding winding of said transformer positioned therein, said windings being tuned to a desired frequency, and magnetic closure members for said recesses, each magnetic closure member partially magnetically closing the respective recess and being arranged to vary in position to control the reluctance of the flux path and the coupling between different of said windings without changing materially the reluctance of the flux path and the self-inductance of the individual windings.

2,413,202
WALKING AID
Leon Vrooman and Stanley Smalley, Gloversville, N. Y.
Application August 22, 1945, Serial No. 612,110
2 Claims. (Cl. 135—45)



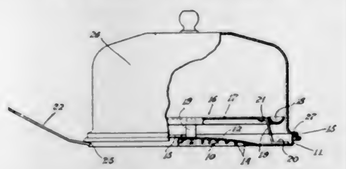
1. A device of the character described, comprising a main bar, a rear leg member connected to one end of the main bar, forward leg members connected to the bar at a point spaced from the opposite end of the main bar, a portion of the main bar being extended beyond the pair of leg members providing a handle, and the portion between the forward leg members and the rear leg member providing a handle.

2,413,203
MECHANICAL MOVEMENT
Richard I. N. Weingart, Glen Head, N. Y.
Application December 13, 1944, Serial No. 568,007
14 Claims. (Cl. 74—89)



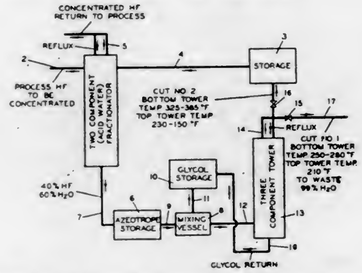
5. A movement for translating alternating rotary movement into alternating rotary movement, the movement including a driving member consisting of a single pivoted cam formed with a driving edge constituting a plane curve with an increasing radius vector, a driven member comprising a pivoted helical member whose axis lies generally parallel with the plane of rotation of the cam, the cam exerting a thrust against a face of the helical member, producing rotation thereof in one direction, and means for producing opposite rotation of the helical member as such opposite rotation is permitted through non-driving rotation of the cam, one portion of the driving edge of the cam having a lesser increase in radius vector than another portion, the former portion transmitting less rotation to the driven member than the latter portion during proportionate movement of the driving element.

2,413,204
COOKING UTENSIL
Alexander A. Wolff, Long Beach, N. Y.
Application November 2, 1944, Serial No. 561,540
3 Claims. (Cl. 99—447)



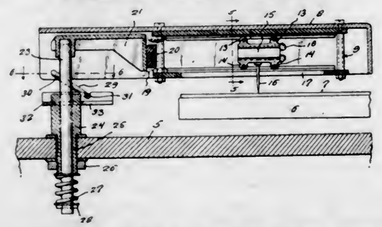
1. A cooking utensil embodying therein a base having an upwardly directed edge flange and an upwardly dished or domed central portion provided with a plurality of perforations therethrough, a looped handle pivotally connected at one end to and foldable upon said base remote from said flange, said flange being notched to permit said handle to be turned to bring it outside of said base, an imperforate grill plate removably supported from and in spaced relation to, and of smaller dimensions than, said base, and an imperforate hood removably supported from said base, the lower part of said hood having substantially the same dimensions as said base but greater dimensions than said grill plate, whereby a passage for heated gases is afforded about the edge of said grill plate, said base, plate and hood being arranged in nested relationship whereby said handle is adapted to lift all of said parts.

2,413,205
DEHYDRATION OF HYDROHALOGEN ACID BY DISTILLATION
James Cole Word, Jr., and John J. Sims, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 17, 1943, Serial No. 483,524
11 Claims. (Cl. 202—57)



1. The process of concentrating an essentially aqueous solution of a hydrogen halide by distillation, which comprises the addition to said solution of ethylene glycol, which forms a complex with the hydrogen halide, heating said solution containing the complex at a temperature above the boiling point of water but below the temperature at which substantial dissociation of the complex occurs, to drive out water therefrom, and thereafter distilling the partially water-freed residue at a temperature within the dissociation range of the complex to obtain the hydrogen halide in more concentrated form as distillate and ethylene glycol as residue.

2,413,206
PICKUP ARM
Arthur F. Worsham, Phoenix, Ariz.
Application November 18, 1943, Serial No. 510,809
2 Claims. (Cl. 179—100.41)

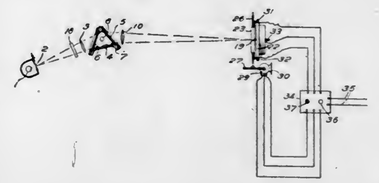


1. In a pickup device, a pickup arm arranged horizontally and traversing a horizontally arranged record, a track assembly carried by said pickup arm and providing electrical conductors, means electrically connecting the track assembly to a sound amplifier, an electrical type pickup head slidably supported by the track assembly and including a stylus to engage the sound grooves and having its point of contact with the the sound grooves maintained tangentially thereto by the pickup arm, a combined fulcrum and stop, a cushion carried by the combined fulcrum and stop to be engaged by an endwise movement of the pickup head, a shaft secured to the combined fulcrum and stop, a sleeve receiving said shaft and secured to a support adjacent the record with the shaft slidable therein, tension means between the sleeve and the shaft, and a hinge connection between the pickup arm and the sleeve.

2,413,207
PREPARING PHOTOGRAPHIC EMULSION FOR TRANSPORT
Thomas Thorne Baker, Pinner, England, assignor to Dacrematt Limited, London, England
No Drawing. Application July 8, 1943, Serial No. 493,922. In Great Britain June 10, 1942
5 Claims. (Cl. 95—7)

1. The process of preparing dry particles of a photographic silver halide emulsion which comprises preparing a silver halide emulsion, setting said emulsion, shredding the set emulsion, washing the shredded emulsion, reshredding the emulsion into fine particles, soaking said particles in an organic dehydrating liquid, removing said liquid, and drying said particles.

2,413,208
REFRACTOMETER FOR CHEMICAL REACTIONS
Robert Bowling Barnes, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 6, 1945, Serial No. 586,865
12 Claims. (Cl. 250—41.5)

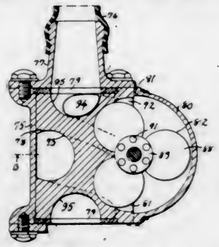


2. A device for transforming changes of refractive index of a fluid into electrical currents which comprises in combination and in optical alignment a source of radiation in the form of a narrow luminous line or band, a hollow prism and means for passing fluid therethrough, a slit and a device for changing light fluctuations into electric currents, means for producing a collimated beam of monochromatic radiation from said source passing through the hollow prism, and means for imaging the source on the slit the image being parallel to the slit, the orientation of the light source and slit relative to the prism being such that changes in refractive index of the fluid in the prism will cause the image of the luminous line to pass transversely across the slit.

2,413,209
ROTARY DEVICE FOR POSITIVE FLUID ACTION
Walter Bejeuhr, Bronx, N. Y., assignor to American Turbotor Corporation, New York, N. Y., a corporation of New York
Application May 22, 1942, Serial No. 444,065
1 Claim. (Cl. 103—125)

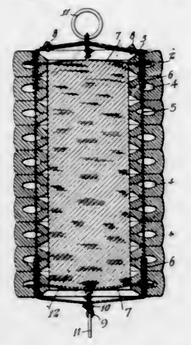
A rotary device for positive fluid action comprising a rotor, having concentric, hollow ends, a drive shaft, and a valve disc mounted on said shaft and engaging in worm fashion over an obtuse angle in an annular groove of said rotor, and a housing journalling said rotor between

said ends having ports communicating by way of said hollow ends with said groove and en-



shrouding said rotor and disc as a wall of substantially uniform thickness.

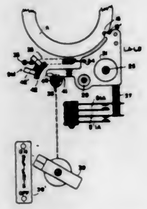
2,413,210
SHIP BUMPER
Paul F. Blackman, Los Nietos, Calif.
Application February 12, 1945, Serial No. 577,429
6 Claims. (Cl. 114—219)



1. A boat fender comprising a plurality of annular resilient ring-like members disposed one above the other to form a stack, each of said ring-like members having a hollow interior forming an air space, a buoyant filler for the spaces formed between inner circumferences of the ring-like members, a closure for retaining such buoyant material within such central space, and means for securing such members and said closure together including cables threaded transversely through the ring-like members and the closure and extending from one end to the other of the stack.

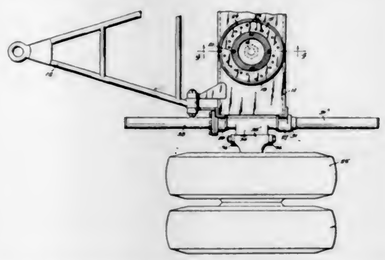
2,413,211
REMOTE CONTROL FREQUENCY SELECTOR SYSTEM
Joseph M. Brian, Westmount, Quebec, Canada, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 28, 1944, Serial No. 560,819
In Canada June 2, 1944
16 Claims. (Cl. 192—142)

1. Shaft positioning apparatus comprising, in combination, a shaft to be actuated to a pre-set position, a position-determining ring member mounted in radially adjusted relation for movement with said shaft, means including a unidirectional motor for driving said member, a switch included in the motor circuit, a switch-control and ring member locking device associated with said member, said device adapted in one position to lock said member against further movement after the shaft has been driven to its pre-set position and in another position to close the motor circuit switch, and means for initiating



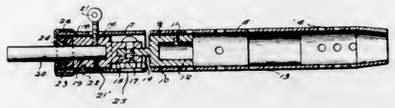
operation of the motor to drive the shaft to be positioned and the position-determining member, the latter upon reaching the pre-set position causing the switch-control device to assume its first position whereat the motor circuit switch is opened to deenergize the motor.

2,413,212
TORSION ROD SPRING SUSPENSION
Wallace M. Brown, Seattle, Wash., assignor to Kenworth Motor Truck Corporation, Seattle, Wash., a corporation of Washington
Application March 6, 1944, Serial No. 525,281
7 Claims. (Cl. 280—115)



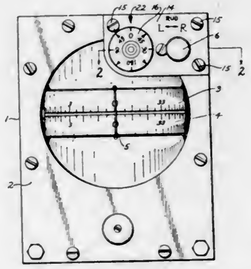
1. In a steerable trailer providing a load-carrying body, having a steering sub-frame of comparatively short fore-and-aft dimension at the front end thereof, and embodying a fifth-wheel assembly between sub-frame and body to permit the sub-frame to swing bodily in relation to the body for performing its steering office, the new suspension mechanism applied at each side of the sub-frame for springing the sub-frame from the running wheels therefor and comprising, in combination with the sub-frame and its running wheels: a lever carried by the sub-frame for rocker movements about an axis relatively fixed with respect to the frame and generally longitudinal as regards the latter; connection from the wheel to the lever functioning by vertical movements of the wheel to impart wrist movements to the lever; a torsion rod anchored at one end to the lever and extending therefrom along the axial line of the lever to have its opposite end project well beyond the end limit of the sub-frame; and a tube bolted to the sub-frame and extending longitudinally in axial coincidence with the lever from the sub-frame to the projected end of said torsion rod and having connection at its outer end with the latter to place a rotation-resisting load upon said projected end originating in the sub-frame.

2,413,213
ELECTRODE HOLDER
William E. Cardinal, Cherry Lake, Fla.
Application August 30, 1944, Serial No. 551,836
1 Claim. (Cl. 219—8)



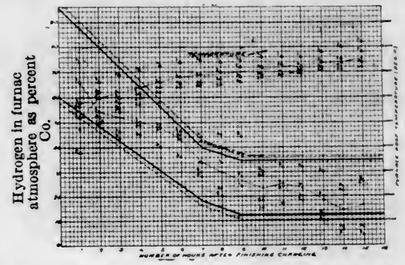
An electrode holder comprising a handle section and a head section, said sections including sleeves of insulation material, a pair of sockets of conductive material enclosed in said sections and adapted to respectively receive a cable and a welding rod, projections on the sockets in one end of the sleeve included in the head section, and a pin pivotally connecting the projections to provide for the pivotal movement of the head on the handle, said pin being enclosed in the sleeve included in the head section, and an insulation collar in the other end of the sleeve included in the head section having a flared opening therein for guiding the rod into the socket in said head section.

2,413,214
AUTOMATIC PILOT DIRECTIONAL TURN INDICATOR
Bert G. Carlson, Gates Mills, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application March 3, 1944, Serial No. 524,953
4 Claims. (Cl. 116—124)



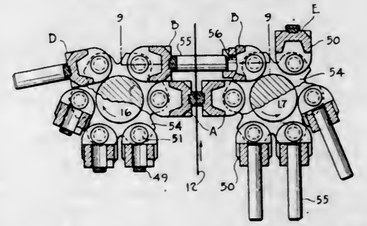
4. An indicating device for use with an automatic pilot turn unit comprising a gyro compass card having a course indicator card adjacent, a rudder control shaft operatively connected to said course indicator card, a casing adapted to be secured to the face of said unit and to receive the rudder control shaft of said unit, a gear arranged to be driven by said shaft, a post for mounting said gear, an indicating dial simultaneously observable with compass and indicator cards and having a flat face presented toward said gear and provided with a hollow hub-like knob projecting outwardly therefrom mounted on said post adjacent said gear, and a spring within said hub for urging the inner face of said dial into frictional driving engagement with said gear whereby said dial may be withdrawn by said hub from said driving engagement for independent rotation.

2,413,215
METHOD OF OPERATING REDUCTION-MELTING FURNACES
Joseph Edwin Carter, Huntington, and Ray Kermit Gensler, Guyandotte, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application November 5, 1943, Serial No. 509,154
7 Claims. (Cl. 75—82)



4. The method of reducing nickel oxide and melting the nickel which comprises mixing nickel oxide with a carbonaceous reducing agent to provide a reaction mixture, heating said reaction mixture in a reducing atmosphere containing carbon dioxide and having a controlled hydrogen content dependent upon the time of heating at temperatures at which reduction takes place, controlling the hydrogen content of said reducing atmosphere in accordance with the composition of said furnace atmosphere determined continuously and automatically to provide a furnace atmosphere having a hydrogen content of about 6% to about 9½% when heating begins, decreasing to about 1.8% to about 4% at the end of about 7 hours, continuing to decrease to about 1.2% to about 3.5% at the end of 9 hours and being maintained at about 1.2% to about 3.5% during the ensuing 7 hours, controlling the hydrogen content of said furnace atmosphere by automatic and continuous sampling of the furnace atmosphere after removing the carbon dioxide therefrom, and automatically recording the hydrogen content of said carbon-dioxide-free atmosphere by a specific gravity measuring instrument.

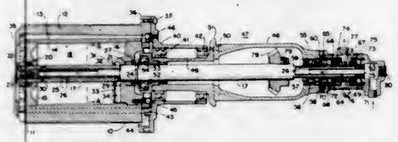
2,413,216
CONTINUOUS STRIP WIPING APPARATUS
Carroll Cone, near Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application April 14, 1944, Serial No. 531,111
4 Claims. (Cl. 91—59.4)



4. In apparatus for wiping moving strip, the combination which comprises a pair of rotatably mounted supports, means for coordinate rotation of said supports, a series of wiping members disposed about each support and hingedly connected thereto, and means for slidably interconnecting

opposed wiping members in facing position for movement into wiping contact with the strip advancing therebetween, and means permitting the pair of opposed wiping members next following the pair already in wiping contact with the strip to be moved into wiping contact with the strip before the leading pair has been moved out of such contact.

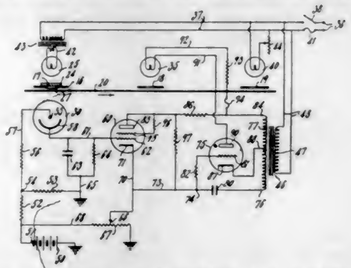
2,413,217
THREAD-ADVANCING REEL
Lorin A. Corey, Cleveland Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 27, 1944, Serial No. 537,557
2 Claims. (Cl. 34—153)



1. A thread-storing, thread-advancing reel comprising two interdigitating sets of bar members, each set being mounted for rotation about an axis displaced in an inclined relation to the other, a supporting frame member for said sets of bar members, a shaft journaled in said frame member and projecting therethrough having heating fluid inlet and outlet means, a first reel member comprising a cylindrical chamber having a periphery of spaced, longitudinally extending bar members mounted coaxially with and upon said projecting portion of the shaft including the heating fluid inlet and outlet means, said chamber in said first reel member being adapted to receive and have drawn therefrom a heating fluid through said shaft inlet and outlet means, heating fluid withdrawing means in said chamber joining said shaft fluid outlet means, said heating fluid withdrawing means comprising an inwardly extending hub at one end of said chamber, said hub encompassing a shaft passing through the chamber and having an annular recess in its body portion and around said shaft, said recess joining an outlet means in said shaft, a conduit extending radially from said hub to substantially adjacent the cylindrical wall of the chamber joining said annular recess and the interior of said chamber, and a second reel member comprising a set of spaced longitudinally extending bar members alternately disposed with respect to those of said first reel member rotatably mounted on said supporting frame member.

2,413,218
PHOTOGRAPHIC APPARATUS
Samuel C. Coroniti, Cambridge, Mass., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 28, 1943, Serial No. 496,383
16 Claims. (Cl. 95—75)

4. In a device for photographic printing, means for scanning a film including a light source and a photo-responsive element, a variable source of radiation for effecting an exposure and means for progressing film past the said scanning means and source of radiation, and means for varying the intensity of the source of radiation as a function of the amount of light falling on the photo-responsive element which includes in circuit with said element, a discharge tube the output of which is in series with said variable source of radiation, a current supply for said tube, a capacitance in series with the voltage input of said discharge tube, and an electronically variable



resistor effective for changing the phase angle between the input and output voltages of said discharge tube.

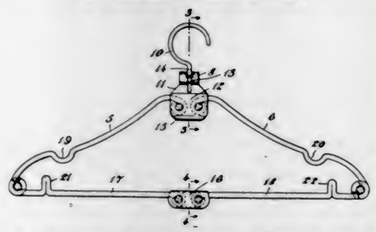
2,413,219
MANUFACTURE OF BRUSH BACKS
Gaetano F. D'Alelio, Northampton, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application June 16, 1944, Serial No. 540,743
2 Claims. (Cl. 15—159)

2. In a brush having the brush bristles stapled in drilled holes in the bristle block, the improvement in which said bristle block is formed of a composition comprising about 70.5 percent of polystyrene, about 17.5 percent wood flour, about 7 percent of a plasticizer for the polystyrene, and about 5 percent of pigment.

2,413,220
WIRE DRAWING METHOD
Flint C. Elder and Arch W. Harris, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application October 28, 1943, Serial No. 508,064
4 Claims. (Cl. 205—21)

1. The process of drawing wire which comprises passing wire through a drawing die in the presence of a wire-drawing lubricant comprising an aqueous suspension of a water-insoluble metallic stearate, the said suspension containing not more than 2% by weight of the insoluble stearate, and not more than substantially 0.2% of a wetting and dispersing agent.

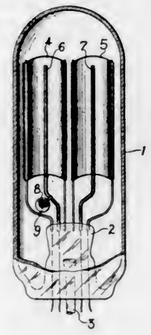
2,413,221
GARMENT HANGER
Edward Percy Elston, Bradmore, Wolverhampton, England
Application April 6, 1945, Serial No. 586,958
In Great Britain October 21, 1944
3 Claims. (Cl. 223—89)



1. A garment or like hanger, comprising in combination a supporting member which is formed

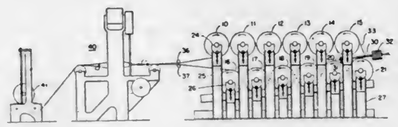
with a tubular part therein, a member rotatably mounted in the tubular part of the supporting member which is frictionally gripped by the supporting member, a suspension hook mounted in the rotatable member mounted in the supporting member and a pair of arms rotatably mounted on pivots carried by the supporting member.

2,413,222
PHOTOELECTRIC TUBE AND METHOD OF MANUFACTURE
Ralph W. Engstrom, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1943, Serial No. 489,001
8 Claims. (Cl. 250—165)



1. A photo-tube comprising an envelope, an alkali metal-silver-silver oxide cathode and a second cathode including a coating of an alkali metal and an element selected from the group consisting of antimony, arsenic and bismuth, said first mentioned cathode having a straw color and said element a bluish color, said colors being indicative of the desired interaction of the alkali metal with the other metallic materials of said cathodes.

2,413,223
METHOD AND APPARATUS FOR MOUNTING AND CONTROLLING TEN[illegible] OF WARP BEAMS OF LOOMS
Moses P. Epstein and Clarence R. Barton, New York, N. Y., assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application September 11, 1944, Serial No. 553,586
5 Claims. (Cl. 139—101)

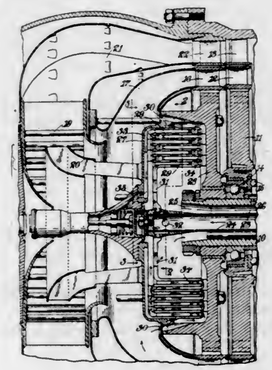


1. The method of supplying a uniformly tensioned warp to a loom from a plurality of beams which comprises mounting the beams in series relative to the loom, passing the warp threads from the beam most remote from the loom over a substantial part of the periphery of the succeeding beam and adding to the passing warp the warp of the beam being passed over, passing the combined warp over a substantial part of the periphery of the next succeeding beam and adding to the combined warp of the first two mentioned beams the warp of the beam being passed over, cumulatively adding the warp of all subsequent succeeding beams to the combined warp from the beams passed over as the combined warp passes each subsequent beam periphery, and feeding said combined warp to said loom.

2,413,224
PHTHALOCYANINE SULFONHYDRAZIDES
Arthur Lawrence Fox, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1945, Serial No. 604,514
10 Claims. (Cl. 260—314.5)

1. A phthalocyanine containing attached to the arylene nuclei at least one sulfonhydrazide group.

2,413,225
INTERNAL-COMBUSTION TURBINE
Alan Arnold Griffith, Derby, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application October 7, 1943, Serial No. 505,392
In Great Britain May 14, 1941
6 Claims. (Cl. 60—41)

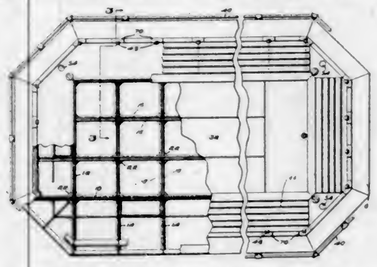


1. In an internal-combustion turbine power plant, the combination of a turbine, an air compressor driven thereby, and supplying air thereto, means for supplying fuel to said turbine, means for extracting a portion of the air compressed by said compressor, means for causing said extracted air to be cooled by the fuel supplied to said turbine and means for conveying the cooled air to its place of utilization.

2,413,226
LIFE RAFT
Michael Hallward, Swampscott, Mass.
Application April 7, 1944, Serial No. 529,976
4 Claims. (Cl. 9—11)

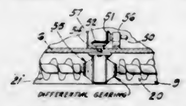
1. A life raft comprising main fore and aft and transverse members defining a cockpit, supplementary fore and aft and transverse members spanning the cockpit and extending through the main transverse and fore and aft members, respectively, means including bulkheads carried by

said supplementary members outwardly of the main members to form a plurality of enclosed



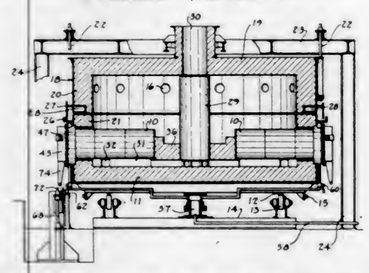
bays disposed around the cockpit, and buoyant solid material within said bays.

2,413,227
SAFETY SPEED BOAT
Alfred H. Hanson, Long Beach, Calif.
Application June 2, 1944, Serial No. 538,354
1 Claim. (Cl. 115—39)



In a motor driven boat, a hull, two elongated aligned screw propellers mounted subjacent to said hull with their axes extending longitudinally along the mid-width thereof, there being a space between said propellers, a motor carried by said hull, and means for driving said propellers from said motor comprising a differential gearing located between them, whereby one of said propellers may be driven from said motor even though the rotation of the other be accidentally prevented.

2,413,228
ROTARY FORGE FURNACE
William M. Hepburn, Ottawa Hills, Ohio, and William O. Owen, Evanston, Ill., assignors to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application August 9, 1944, Serial No. 548,762
7 Claims. (Cl. 263—7)

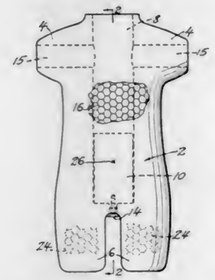


1. A rotary furnace comprising, in combination, a support mounted to turn about a vertical axis and having an upstanding peripheral wall, a plurality of retorts mounted on said support for rotation therewith and each having an access door at the outer side of said wall, means comprising said support and its upstanding wall forming a combustion chamber about said retorts for heating the retorts to heat the articles therein to elevated temperature, a station where the articles to be heated are placed in the retorts and another station where the heated articles are removed from the retorts, and means for conducting an article protecting atmosphere to said retorts during their course of travel about said vertical axis.

2,413,229
FELT HAT BODY STIFFENING COMPOSITION
Alfred E. Hodshon, Bucks County, and Harold H. Tucker, Montgomery County, Pa., assignors to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application January 15, 1943, Serial No. 472,490
2 Claims. (Cl. 106—152)

1. A felt hat body stiffening composition of a dispersion of zein, comprising rosin, alcohol, an alkali hydroxide, water and zein, the zein being substantially five times the rosin and the rosin fifteen times the alkali hydroxide by weight.

2,413,230
PARACHUTE DUMMY
William U. Hohwieler, Morrisville, Pa.
Application September 9, 1944, Serial No. 553,451
7 Claims. (Cl. 35—25)

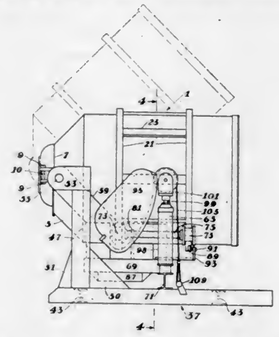


1. A parachute dummy in the shape of the torso of a person's body and formed of rubber reinforced with perforate metal members arranged in a plurality of layers extending generally parallel with the outer surface of the dummy and imbedded in the rubber thereof and portions of said rubber intervening between said layers.

2,413,231
ROTARY FURNACE
Kenneth D. Hoke, Chicago, Ill., assignor to Fisher Furnace Company, Chicago, Ill., a corporation of Illinois
Application December 3, 1943, Serial No. 512,726
4 Claims. (Cl. 263—33)

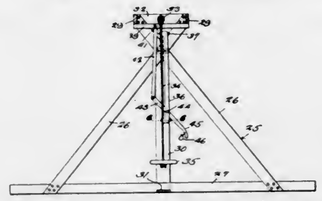
1. An internally heated melting furnace comprising a stationary support, a tiltable carriage pivotally mounted adjacent its front end on said support, said carriage being provided with at least two spaced sets of rollers, a horizontal, cylindrical crucible having at least two spaced apart tracks around the periphery thereof, each track being adapted to rest on a set of said rollers, said crucible being rotatable and loosely mounted on said rollers, means for causing said crucible to rotate, means for tilting said carriage and crucible, the track adjacent the rear end of the crucible having a flat under surface concentric with and spaced from the periphery of the crucible, a roller mounted on the carriage below the

crucible between said under surface of said track and the periphery of the crucible in order to pre-



vent said crucible from upsetting when said carriage is tilted.

2,413,232
SWING
Earl H. Hurley, Emporium, Pa.
Application October 19, 1943, Serial No. 506,889
3 Claims. (Cl. 155—65)

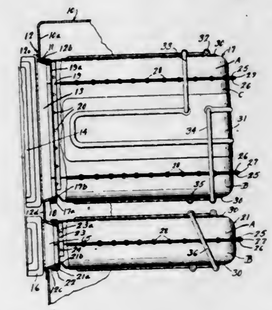


1. In a swing, a support, a supporting rod on the support, a pair of seat supporting cables pivotally mounted on the supporting rod, rigid bars secured to the cables, in parallel relation therewith, an actuating rod pivotally connected with said support, an operating member pivotally mounted between the rigid bars, and to which the actuating rod is pivotally connected, and handles connected with the operating member to be pulled by a person sitting on the seat of the swing, operating the swing.

2. In a swing, a support, a supporting rod on the support, a pair of seat supporting cables pivotally mounted on the supporting rod, an actuating rod pivotally connected with said support, means for connecting the actuating rod to said cables comprising an operating member pivotally mounted between the cables and to which said actuating rod is pivotally connected, handles connected with the operating member, and by means of which the actuating rod is operated, and wrist straps secured to the handles and adapted to connect the wrists of a person seated on the seat of the swing, with the handles.

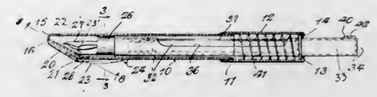
2,413,233
REFRIGERATOR LINER CONSTRUCTION
Bernard C. Johnson, Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 18, 1944, Serial No. 554,610
5 Claims. (Cl. 62—126)

1. A liner casing for refrigerator cabinets which comprises spaced opposed top and bottom metal pans having open front ends and side and back walls with outturned flanges thereon, a U-shaped metal piece with sides and a back wall between said top and bottom pans and having outturned flanges mating with the flanges of said pans, means securing said mating flanges together, embossed metal plates bonded to the top and bottom walls of said pans, an embossed metal plate bonded to the sides and back wall of said U-shaped metal piece, said embossed plates defining refrigerant-conveying ducts, a tube connecting one end of the duct on the top pan with one end of the duct on the U-shaped piece, a second tube connecting the other end of said



duct on the U-shaped piece with one end of the duct on the bottom wall of the bottom pan, said pans and U-shaped piece cooperating to define a forwardly projecting front edge around the open front of the casing, said bottom wall of the bottom pan having an upturned bead adjacent said forwardly projecting edge, and an angle strip inside of the casing extending along the side walls and top thereof and having an inwardly projecting leg adjacent the forwardly projecting edge cooperating with said bead to form an inside abutment wall around the inlet mouth of the casing.

2,413,234
RETRACTILE FOUNTAIN PEN
Orvel M. Johnson, Little Rock, Ark.
Application November 18, 1944, Serial No. 564,065
1 Claim. (Cl. 120—49)

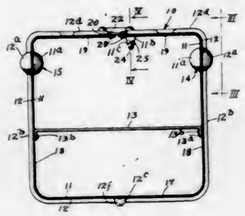


A fountain pen comprising a housing having an open end, a pair of ears on the housing at one side of the open end, a closure cap hingedly mounted between the ears, a pen within the housing having an end projected through the open end of the housing, spring means within the housing operatively engaged between the pen and the housing, for holding the pen within the housing, said closure cap having a raised interior face, a tongue on said pen for engaging the raised face of the closure cap in advance of the point of said pen upon outward sliding movement of said pen, and a leaf spring having one end mounted in said closure cap for holding the closure cap releasable over the open end, the other end of the spring being recurved and normally contacting the housing.

2,413,235
CROTONIC ACID MANUFACTURE
Douglas Joseph Kennedy, Shawinigan Falls, Quebec, Canada, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada
Application February 17, 1945, Serial No. 578,559
In Canada February 2, 1945
4 Claims. (Cl. 260—530)

1. A process for the recovery of crotonic acid from a crude product, resulting from the oxidation of crotonaldehyde, containing crotonic acid, crotonic anhydride, crotonaldehyde, an oxidation catalyst, and oxidation by-products, comprising, distilling in a distillation step said mixture to obtain a fraction containing crotonic acid, isocrotonic acid and impurities, dissolving a portion of said fraction in hot water to give an essentially saturated solution, cooling the solution to precipitate crystals of pure crotonic acid from the mother liquor, separating the crystals from the mother liquor, saturating a portion of the mother liquor with a further portion of said fraction, and repeating the dissolving-crystallizing-separating cycle, returning the balance of the said mother liquor to said distillation step, and replacing said balance of the mother liquor with water in the said dissolving-crystallizing-separating cycle thereby reducing the accumulation of isocrotonic acid and other impurities in the mother liquor.

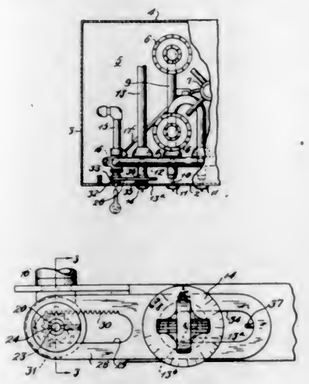
2,413,236
EVAPORATOR UNIT
Bernard C. Johnson, Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application May 1, 1944, Serial No. 533,546
9 Claims. (Cl. 62—126)



1. A heat exchanger comprising a U-shaped member having headers in the upper ends of the legs thereof, ducts extending around the legs and bottom thereof communicating with said headers, inturned flanges on the tops of the legs above said headers, and ducts in said flanges communicating with the tops of said headers.

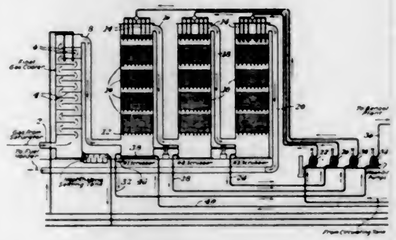
2,413,237
MASTER SAFETY VALVE WITH OVEN VALVE LOCK ATTACHMENT
William R. Jones, Cleveland, Ohio
Application April 22, 1943, Serial No. 484,015
6 Claims. (Cl. 126—42)

1. In a cooking range having a burner supply pipe, a gas line, a rotary valve for controlling the delivery of gas from the said line, a conduit connected with and controlled by the said valve for delivering gas to the said supply pipe, a rotary valve for controlling the supply from the said conduit to the burner supply pipe, each of the aforesaid valves having an operating stem adapted by its rotation in one direction to shut off the flow of gas therethrough, a pinion on the stem of the first mentioned valve, a link having one portion thereof provided with a rack meshing with said pinion and provided on another portion thereof with a locking member, and a



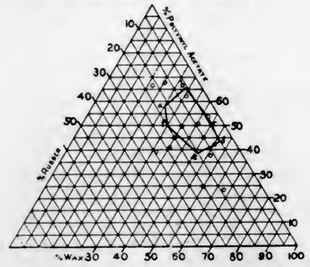
cooperating locking member carried by the stem of the valve for the burner supply pipe, the said locking members being so located as to be brought into engagement with each other, when the valve in the burner supply pipe is in its closed position, by the rotation of the stem of the first mentioned valve to effect the closing of said first mentioned valve.

2,413,238
BENZOL SCRUBBER
John P. Liptak, Maple Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 8, 1943, Serial No. 486,263
2 Claims. (Cl. 252—362)



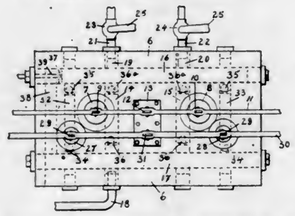
1. A benzol scrubber having an emulsion of wash oil and water formed in the bottom portion thereof which comprises means for introducing wash oil into the top of the scrubber, means for introducing gas into the lower part of the scrubber, means below the last named means for providing heat to break down the emulsion into oil and water, means for draining the water from the bottom of the scrubber, and means between the last named means and the gas introducing means for draining the oil from the scrubber, said oil draining means being above the heating means.

2,413,239
PLASTIC COMPOSITION OF POLYVINYL ESTER AND WAX
George James Manson, Ottawa, Ontario, Canada, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada
Application April 19, 1944, Serial No. 531,825
16 Claims. (Cl. 260—4)



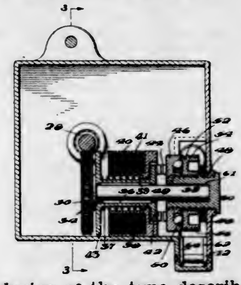
1. A composition of matter comprising an intimate mixture containing as essential constituents polyvinyl ester resin, a wax selected from the group consisting of paraffin, candelilla, beeswax and carnauba, and a rubbery substance selected from the group consisting of Hevea rubber and a rubbery co-polymer of a major amount of isobutylene and a minor amount of isoprene, the resin content being within the range from about 10% to about 80% by weight of the composition, the wax content being an amount normally incompatible with the resin and within the range from about 10% to about 65% by weight of the composition, the content of rubbery substance being an amount less than either of the other essential constituents and effective to render the resin and wax compatible and within the range from about 2% to about 25% by weight of the composition, a non-toxic plasticizer for the polyvinyl ester within the range from about 5% to about 25% by weight of the composition, a non-toxic oil softener for the rubber up to about 6% by weight of the composition, and a non-toxic filler up to about 40% of the composition.

2,413,240
MULTIPLE PUMP FOR HYDRAULIC SYSTEMS
Harold J. McGovern, Rock Island, Ill.
Original application August 3, 1942, Serial No. 453,334. Divided and this application October 17, 1944, Serial No. 559,059
4 Claims. (Cl. 103—11)



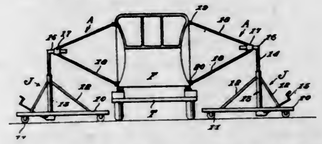
1. In a pump for hydraulic systems, a casing provided with a plurality of passages for the conduct of a quantity of hydraulic fluid, having an intake at one point in the casing, and one or more outlets opposed thereto, a pair of cylinders mounted on the casing and communicating with said system, provided with pistons and rods therefor, a hand-lever fulcrumed midway said pistons and pivoted thereto, a second pair of cylinders of smaller diameter mounted on said casing, also communicating with said system, and provided with pistons and rods therefor, and a hand-lever operatively connected with said last-named rods, adapted for the independent operation of the last-named rods and pistons, the ends of said hand-levers being adapted for grasping by the hand of the operator to cause a joint operation of all of said pistons during the initial operation of the device.

2,413,241
RECHARGING SYSTEM FOR MACHINE GUNS
Jacques Gustave Mejean, Westport, and Jean C. Daninos, Darien, Conn., assignors, by mesne assignments, to Charles E. Warner, Jackson Heights, N. Y.
Application June 2, 1942, Serial No. 445,494
4 Claims. (Cl. 89—1)



1. In a device of the type described, having a reciprocating breech bolt for charging, a small constantly energized electric motor including a shaft, a flywheel mounted on the shaft of said motor to rotate therewith, mechanism constructed and arranged to engage said breech bolt and driven by said motor shaft to retract said breech bolt, and clutch means for connecting said mechanism to said motor shaft.

2,413,242
LIFTING JACK DEVICE
Thomas W. Murray, Dover, Del.
Application May 22, 1943, Serial No. 488,083
7 Claims. (Cl. 214—65)

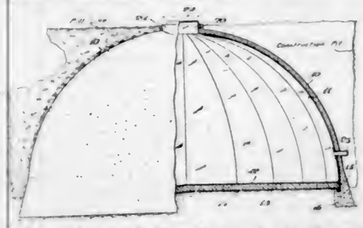


1. A lifting device for use with a jack having a vertical column terminating in a horizontal extension, comprising a member having a plurality of seats for selective rotatable engagement with said extension, a pair of fuselage-engaging arms extending laterally of said member, and a brace extending from said member and adjustably connected to one of said arms.

2,413,243
STORAGE TANK AND METHOD OF CONSTRUCTING SAME
Wallace Neff, Los Angeles, Calif.
Application March 7, 1944, Serial No. 525,475
9 Claims. (Cl. 25—155)

5. The method of constructing shell-form concrete storage tanks for gasoline, fuel oil and like

liquids, which comprises the steps of anchoring to a suitable foundation a pneumatic form made from fabric material and of size and shape such that upon inflation it assumes the size and shape of the interior of the tank and which is provided on its external surface with bonding means, inflating the form, and applying concrete over the



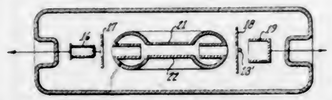
external surface of the form in such manner that the applied concrete embeds the bonding means and remains in place on the form during setting without the aid of an external form, whereby to provide upon setting a self-sustaining concrete shell-form tank having a fabric lining bonded to its inner surface.

2,413,244

ELECTRON DISCHARGE DEVICE

Dwight O. North, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 30, 1943, Serial No. 492,818
4 Claims. (Cl. 250—27.5)



1. An electron discharge device having a cathode means for supplying a beam of electrons and a collector for said electrons and a cavity resonator positioned between said cathode means and collector and including a hollow conducting member provided with oppositely disposed apertures in opposite walls thereof through which the beam path extends, said resonator having oppositely disposed reentrant wall portions extending toward each other and providing surfaces within said cavity resonator lying in parallel planes positioned on opposite sides of and parallel to said beam path and between which an alternating electric field of high frequency is generated during operation of said device for periodically deflecting said beam, said resonator having means between each of said apertures and said oppositely disposed surfaces within said resonator for shielding said beam path.

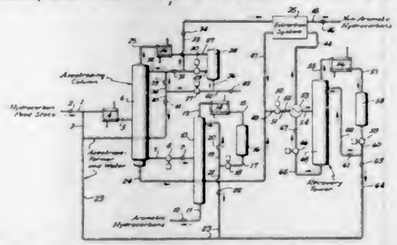
2,413,245

AZEOTROPIC DISTILLATION OF TOLUENE

Homer C. Reed, Glendale, and Benjamin M. Holt, Berkeley, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application October 6, 1943, Serial No. 505,150
11 Claims. (Cl. 202—42)

1. In a continuous process wherein aromatic hydrocarbons are separated from non-aromatic hydrocarbons of similar volatility by distillation of a mixture of such hydrocarbons in the presence of an azeotrope-former having a volatility similar to that of the hydrocarbons, and a solvent of lesser volatility which is substantially insoluble in the hydrocarbons and has a higher molal heat of vaporization than the azeotrope-former, the steps which comprise distilling said hydrocarbon mixture in the presence of said azeotrope-former and said solvent, so as to obtain a distillate comprising substantially all of the non-aromatic hydrocarbons, the major proportion of the azeotrope-former and solvent, and a bottoms fraction comprising substantially pure aromatic hydrocarbons and a minor proportion of azeotrope-former and solvent; condensing and cooling said distillate causing it to separate into two phases, a solvent phase containing a major proportion of solvent and a minor proportion of azeotrope-former, and a hydrocarbon phase consisting predominantly of non-aromatic hydrocarbon and azeotrope-former; separating the azeotrope former from the hydrocarbons in said hydrocarbon phase by a process involving selective solution of the azeotrope-former in said solvent; separating said azeotrope-former from said solvent by a distillation process wherein substantially all of the azeotrope former is vaporized and distilled together with a portion of the solvent, the ratio of said solvent to azeotrope former in the distillate being greater than the ratio of solvent to azeotrope former contained in the distillate of said first named distillation, leaving substantially pure solvent as bottoms; and recycling the distillate comprising azeotrope-former and abnormal proportion of solvent to the azeotropic distillation step.

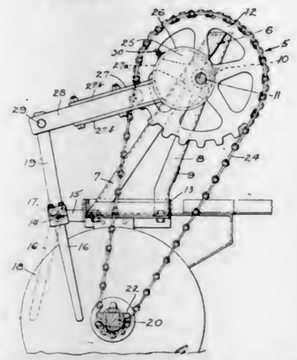


2,413,246

AUTOMATIC SCRAPER FOR DISK HARROWS

Myron F. Seal, Weldon, Ill.

Application September 28, 1944, Serial No. 556,123
1 Claim. (Cl. 97—224)



Means for converting a disk harrow having a manually operable rocker bar for operating the disk cleaning blades to one having automatic means for operating the rocker bar, said means including a support adapted to be secured to the frame of a disk harrow, a shaft journalled in said support, a sprocket wheel keyed to said shaft, an eccentric on said shaft, an eccentric strap about said eccentric, an arm connected to said eccentric strap, a lever pivoted at one end of said arm, the other end of said arm being adapted to be connected to the rocker bar of the harrow to rock it as said shaft is rotated, a second sprocket wheel secured to a spacer on the disk shaft, and a sprocket chain trained over said sprocket wheels to rotate said shaft as said harrow is moved.

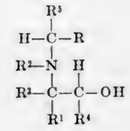
2,413,247

N-SUBSTITUTED AMINO MONOHYDRIC SECONDARY ALCOHOLS AND PROCESS FOR PREPARING THEM

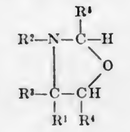
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application August 19, 1944, Serial No. 550,307
4 Claims. (Cl. 260—584)

1. In a process for the preparation of N-substituted amino monohydric secondary alcohols of the general formula



the steps which comprise reacting an oxazolidine compound having the formula



in which R^1 is selected from a group consisting of hydrogen and alkyl, R^2 is selected from a group consisting of alkyl, aralkyl and aryl, R^3 is selected from a group consisting of hydrogen, alkyl, aralkyl and aryl, R^4 is selected from a group consisting of alkyl and aryl and R^5 is selected from a group consisting of hydrogen, alkyl and aryl; with a Grignard reagent having the formula RMgX, wherein R represents alkyl, and thereafter hydrolyzing the resulting reaction product.

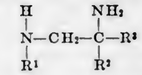
2,413,248

POLYAMINES AND PROCESS FOR PREPARING THEM

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application February 21, 1945, Serial No. 579,161
8 Claims. (Cl. 260—345)

1. Polyamines of the formula



wherein R^1 is a member selected from the group consisting of aralkyl, furfuryl and tetrahydrofurfuryl, and R^2 and R^3 represent alkyl groups.

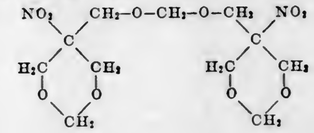
2,413,249

1,5-BIS-(1-NITRO-3,5-DIOXACYCLOHEXYL)-2,4 DIOXAPENTANE

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application May 7, 1945, Serial No. 592,520
1 Claim. (Cl. 260—338)

As a new composition of matter 1,5-bis(1-nitro - 3,5 - dioxacyclohexyl) - 2,4 - dioxapentane, having the structure:



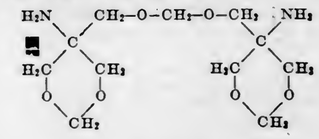
2,413,250

1,5-BIS (1-AMINO-3,5-DIOXACYCLOHEXYL) 2,4 DIOXAPENTANE

Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application May 7, 1945, Serial No. 592,521
1 Claim. (Cl. 260—338)

As a new composition of matter 1,5-bis(1-amino - 3,5 - dioxacyclohexyl) - 2,4 - dioxapentane, having the following structure:

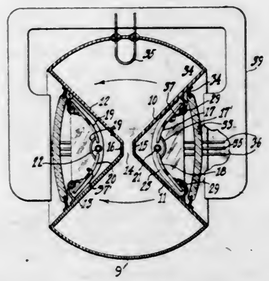


2,413,251

ELECTRON DISCHARGE DEVICE

Lloyd P. Smith, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

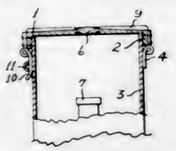
Application November 26, 1942, Serial No. 466,993
16 Claims. (Cl. 250—27.5)



1. An electron discharge device including an electrode having surfaces approaching each other at an angle of 90° and having an aperture at the intersection of said surfaces, and a second electrode having a hyperbolic surface and positioned between and spaced from said intersecting surfaces the extensions of which provide the asymptotes for the extended surfaces of said second electrode, and means registering with said apertures for directing a stream of electrons through said aperture and between said elec-

trodes and along a line lying in a plane bisecting the angle between said intersecting surfaces and passing through the axis of the hyperbola defining the surface of the second electrode.

2,413,252
TRANSPARENT LID AND INTEGRAL LENS
Richard E. Smith, Wichita, Kans.
Application May 26, 1944, Serial No. 537,389
1 Claim. (Cl. 220—82)



A lid for the open end of an instrument guard, said lid comprising a circular plate-like head having a flange integrally joined thereto and extending downwardly from one side of the head, the flange being hinged to one end of the instrument guard to rockably carry the head to and from a closed position, said head and flange being made from transparent plastic material for rays of light passing through the head when the head is normally engaged and being on a horizontal plane, a convexo-convex lens formed in the mid-portion of the head axially thereof and lying within the planes of the upper and lower surfaces of the head whereby an annular groove is formed in the upper surface of the head adjacent the periphery of the lens, the upper surface of the head having radial grooves extending from said annular groove to the edge of the head and graduating in depth outwardly from said annular groove.

2,413,253
PURIFICATION OF INDENE
Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 9, 1944, Serial No. 521,716
7 Claims. (Cl. 260—674)

1. A process for purifying indene derived from light oil and containing remaining impurity which comprises commingling said indene with less than 5% by weight based on said indene of a finely divided material selected from the group consisting of metals and alloys of metals of groups IA and IIA of the periodic system, and separating indene in purified form from the resulting mass.

2,413,254
PROCESS FOR REFINING UNSATURATED HYDROCARBON MATERIAL WITH AN ALKALI OR ALKALINE EARTH METAL
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application December 24, 1942, Serial No. 470,078
9 Claims. (Cl. 260—677)

1. A process for refining unsaturated hydrocarbon material having from one to two double bonds per molecule, said unsaturated hydrocarbon material being contaminated with impurity including acetylenic and aldehyde material, comprising passing said unsaturated hydrocarbon material at a temperature below 100° C. through a dispersion of a finely divided material selected from the group consisting of metals of group IA and group IIA and alloys thereof, said dispersion being at least one foot in thickness in the direction of flow of said unsaturated hydrocarbon material and containing less than 30% by weight of said finely divided material, maintaining the concentration of said unsaturated hydrocarbon material in the reaction zone below 80% by weight of the total material present, while maintaining the rate of flow per hour of said unsaturated hydrocarbon material through said dispersion at less than four times the weight of dispersion medium employed, and removing said unsaturated hydrocarbon material less contaminated with impurity including acetylenic and aldehyde material from said reaction zone sufficiently rapidly to prevent a large loss of said unsaturated hydrocarbon material due to the polymerization thereof.

2,413,255
PROCESS FOR REFINING STYRENE AND METHYL STYRENE
Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application May 17, 1943, Serial No. 487,345
7 Claims. (Cl. 260—669)

1. A process for refining a hydrocarbon selected from the group consisting of styrene and methyl styrene and contained in a hydrocarbon mixture which also contains impurity including acetylenic material, comprising passing said mixture at a temperature below 100° C. through a dispersion of a finely divided metal selected from the group consisting of metals of group I*a* and group II*a* of the periodic system, said dispersion being at least one foot in thickness in the direction of flow of said mixture and containing less than 30% by weight of said finely divided metal, maintaining the concentration of said selected hydrocarbon in the reaction zone less than 80% by weight of the total material present, while maintaining the rate of flow per hour of said mixture through said dispersion less than four times the weight of dispersion medium employed, and removing said mixture less contaminated with impurity including acetylenic material from said reaction zone sufficiently rapidly to prevent a large loss of said selected hydrocarbon due to the polymerization thereof.

2,413,256
CHEMICAL PROCESS AND PRODUCT
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application September 9, 1942, Serial No. 457,743
6 Claims. (Cl. 260—681.5)

1. A process for refining a light oil diolefine fraction containing diolefine material and contaminated with impurity including acetylenic material comprising passing said fraction through a dispersion of at least one finely divided metal selected from the group consisting of metals of group IA and group IIA of the periodic system in the presence of a polymerization inhibitor at a temperature below 100° C. while maintaining the concentration of diolefine material in the reaction zone at less than 80% and a rate of flow per hour of said fraction through said dispersion of not more than four times the weight of dispersion medium employed, said dispersion being at least one foot thick in the direction of flow of said fraction, and removing said diolefine material from contact with said dispersion prior to the polymerization of the larger part thereof, said removed diolefine material being less contaminated with impurity including acetylenic material.

2,413,257
PROCESS FOR PURIFYING PIPERYLENE
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 18, 1943, Serial No. 476,333
8 Claims. (Cl. 260—681.5)

1. A process for refining piperylene contaminated with impurity including acetylenic material and aldehydes, comprising passing said contaminated piperylene at a temperature below 100° C. through a dispersion of a finely divided metal selected from the group consisting of metals of group I*a* and group II*a* of the periodic system and alloys thereof, said dispersion containing less than 30% by weight thereof of said finely divided metal and being at least one foot in thickness in the direction of flow of said contaminated piperylene, maintaining the concentration of said piperylene in the reaction zone less than 80% by weight of the total material present, while maintaining the rate of flow per hour of said contaminated piperylene through said dispersion at less than four times the weight of dispersion medium employed, and removing said piperylene less contaminated with said impurity from said reaction zone sufficiently rapidly to prevent a large loss of said piperylene due to the polymerization thereof.

2,413,258
POLYSTYRENE-TYPE RESINS PLASTICIZED WITH HIGH BOILING FATTY ACID ALKYL ESTERS
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 7, 1942, Serial No. 450,083
11 Claims. (Cl. 260—36)

1. As a new composition of matter, a plastic composition comprising a polymer of material selected from the group consisting of styrene and alkyl styrene, and a plasticizing agent conforming to the following formula

$$CH_3(CH_2)_xCOOCH_2(CH_2)_yCH_3$$

in which x has a value in the range of from 8 to 18 and y has a value in the range of from 7 to 11.

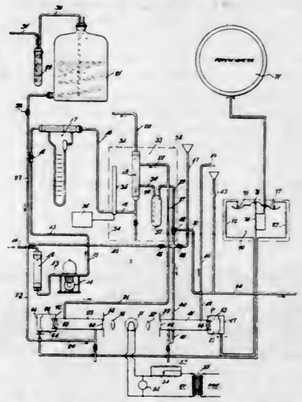
2,413,259
POLYACRYLIC AND POLYMETHACRYLIC RESINS PLASTICIZED WITH HIGH BOILING AROMATIC OILS
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application September 19, 1942, Serial No. 458,997
8 Claims. (Cl. 260—36)

1. As a new composition of matter, one of a group consisting of polyacrylic and polymethacrylic resins, and a substantially pitch-free aromatic hydrocarbon oil boiling above 210° C. and having been physically separated from tar obtained in the vapor phase pyrolysis at average temperatures above 1300° F. of petroleum oil in the production of combustible gas, said aromatic hydrocarbon oil having an aromatic hydrocarbon content of at least 95%, and a density of at least 0.95.

2,413,260
REFINING OF AROMATIC HYDROCARBONS WITH ACID-ACTING METALLIC HALIDES
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application February 10, 1943, Serial No. 475,438
10 Claims. (Cl. 260—674)

9. A process for refining aromatic hydrocarbon material boiling below 400° C. and contaminated with polymerizable impurity of similar boiling point therewith, which comprises contacting said contaminated aromatic hydrocarbon material with an acid-acting metallic halide catalyst under conditions causing the formation of polymer from a portion of said impurity, neutralizing said catalyst, separating said aromatic hydrocarbon material from the resulting reaction mass including said polymer, thereafter contacting said aromatic hydrocarbon material with additional acid-acting metallic halide catalyst under conditions causing the formation of additional polymer, neutralizing said additional catalyst, and separating said aromatic hydrocarbon material from the resulting reaction mass.

2,413,261
METHOD AND APPARATUS FOR HYDROGEN SULFIDE DETERMINATION
Wilton E. Stackhouse, Springfield, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application November 30, 1939, Serial No. 306,816
9 Claims. (Cl. 23—232)



2. As a colorimetric reagent for hydrogen sulfide determination comprising a water solution containing ammonium molybdate, ammonium sulfate and sulfuric acid.

3. A method for the determination of the proportion of hydrogen sulfide contained in a gas, comprising intimately contacting under conditions of substantially constant temperature and substantially constant time of contact a continuously flowing stream of said gas under conditions of substantially constant flow with a continuous-

ly flowing stream of an absorbing liquid under conditions of substantially constant flow, said absorbing liquid being capable of absorbing hydrogen sulfide from said gas and being capable of reaction with hydrogen sulfide absorbed from said gas in a manner to develop a color intensity proportional to the proportion of hydrogen sulfide thus absorbed, flowing said stream of absorbent after contact with the gas through a chamber of sufficient size to delay flow of the stream for a time sufficient to permit full development of color intensity in said absorbing liquid due to absorbed hydrogen sulfide, and flowing said stream of absorbing liquid thereafter in such positional relationship with a body of such absorbing liquid prior to absorption so that comparison of the color intensity of said stream with the color intensity of said body may be made, and so that the difference in said color intensities may be compared with differences in color intensities representing under substantially the same conditions of hydrogen sulfide determination gases of known hydrogen sulfide content.

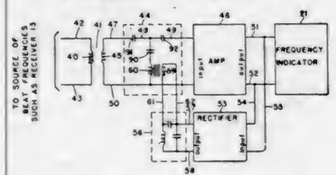
2,413,262
HIGH-COMPRESSION MOTOR FUEL
Robert I. Stirton, Redondo Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application May 10, 1943, Serial No. 486,433
6 Claims. (Cl. 44—69)

1. An aviation-type gasoline having a compatibility temperature below about —50° F., comprising a blend of about 0.5% to about 15% of an amine having 7 to 12 carbon atoms and having a structural formula as follows:



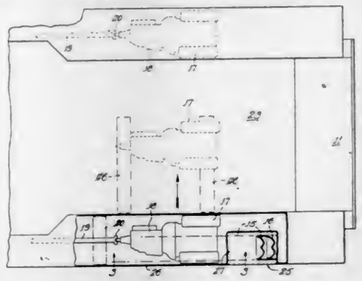
in which R_1 to R_5 inclusive are groups selected from the class consisting of hydrogen, phenyl, and saturated alkyl; more than about 5% of aromatic hydrocarbons having 7 to 10 carbon atoms; and a mixture of hydrocarbons boiling in the gasoline range other than said aromatic hydrocarbons having from 7 to 10 carbon atoms, with more than about 2 ml. per gallon of tetraethyl lead, said last named mixture of hydrocarbons with tetraethyl lead having an antiknock rating at least equal to that of 2,2,4-trimethyl pentane.

2,413,263
METHOD AND MEANS FOR FREQUENCY CONTROL
Henry Suter, Cincinnati, Ohio, assignor of one-fourth to William Ockrant, Cincinnati, Ohio
Application June 29, 1942, Serial No. 448,934
6 Claims. (Cl. 178—44)



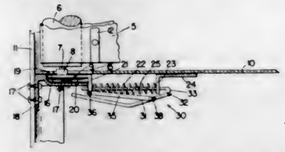
1. The method of continuously and automatically discriminating against substantially all frequencies below a desired maximum impressed upon a high pass filter including an inductive element, which includes the step of converting the filter output to direct current and of then using said current to control the operating characteristics of the filter by varying the permeability of the inductive element.

2,413,264
MOUNTING FOR AUTOMOTIVE MOTOR AND TRANSMISSION ASSEMBLY
Benjamin A. Swennes, Rockford, Ill., and Lee E. Shelton, Kalamazoo, Mich., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 29, 1944, Serial No. 528,568
10 Claims. (Cl. 180—64)



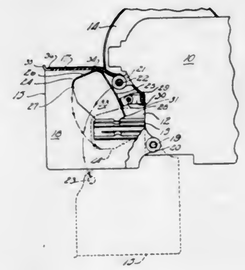
3. In combination, a motor, a housing for said motor, said housing having an opening therein on one side of the motor and permitting access to only that side of the motor, a driven shaft connected with said motor in the housing to be driven thereby, said motor being disconnectible from said driven shaft, and means allowing movement of the motor sidewardly out of said housing through said opening after disconnection from said shaft whereby access may be had to both sides of the motor, means for releasably fixing said motor at its accessible side with respect to the bottom of said housing, and means for releasably fixing said motor at its inaccessible side with respect to the bottom of said housing, both of said last two named means being operable from the accessible side of said motor.

2,413,265
TENSION CONTROL DEVICE FOR FLEXIBLE ENDLESS BELTS AND THE LIKE
Hjalmar C. Thompson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 5, 1945, Serial No. 571,711
6 Claims. (Cl. 198—208)



1. A tension control device for flexible endless conveyors and the like, comprising in combination, a bearing member, a support therefor providing for shifting movement of said bearing member, spring means reacting against said support urging said bearing member in one direction, a pair of toggle links pivotally connected together, means connecting said links between said bearing member and said support, said links being swingable from a relaxed position, in which said bearing is controlled by the pressure of said spring, through a dead-center position in which the major axes of said links are substantially parallel, to a locked position in which said bearing is shifted in the opposite direction against the force of said spring means to a non-operating position, and abutment means engageable by said links against which the latter are retained by the force of said spring means in said locked position.

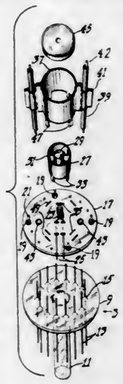
2,413,266
GUARD MECHANISM
Vernon R. Tinsler and Harold L. Brock, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 29, 1944, Serial No. 570,293
7 Claims. (Cl. 74—612)



1. A safety device for a power takeoff shaft having one end thereof extending beyond a housing, comprising: a hood-shaped shell having closed sides and a closed top, and openings at the front and rear ends, said shell having its rear end disposed beyond the end of said shaft and having its front end adapted to be swingably mounted on said housing, releasable means to secure said shell in one position of adjustment with said shaft enclosed by said sides and top and with said front and rear openings aligned with said shaft, said shell being swingable therefrom to another position remote from said one position, a secondary hood swingably mounted within said shell, and means engaging said secondary hood when said shell is in said one position and securing said secondary hood at a position remote from said shaft, said secondary hood being swingable when said shell is in said other position to a position enclosing said shaft.

2,413,267
ELECTRODE STRUCTURE AND METHOD OF MANUFACTURE
Walter M. Trumbull, Newark, and Brice W. Kinyon, Bloomfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application November 25, 1942, Serial No. 466,866
7 Claims. (Cl. 250—162)

3. An electrode assembly comprising an insulating disc having openings extending therethrough, a hollow cylinder having an end edge normal to its axis with lugs extending through said openings and deformed to hold said edge against a side surface of said disc, a second hollow cylinder smaller than the first cylinder having an open end and a closed end, electron emitting material on the outside surface of said closed end, and arms having one of their ends secured to the smaller cylinder adjacent its closed end and



the other of their ends secured to the larger cylinder adjacent the end remote from said disc and arranged to position the smaller cylinder coaxially within the larger cylinder.

2,413,268
SPACER AND SEAL FOR BUILDING CONSTRUCTION
Gerard A. Unverferth, Dayton, Ohio
Application August 17, 1945, Serial No. 610,911
7 Claims. (Cl. 72—106)

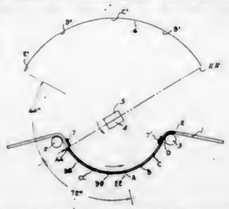


1. A prefabricated spacer-seal for securing contiguous building blocks in proper stacked relation, comprising a non-compressible shim, two opposite sides of which are predeterminately shaped to conform with and fit the contour of the side surfaces of the building block, two edges of the shim substantially aligning with the front and back surfaces of the building block when it is placed into fitting position thereon, the two ends of the shim having means for interlocking with the engaging end of a similar shim placed against the other, adjacent side of the building block; and a water proof, non-hardening adhesive coating on all surfaces of the shim excepting the front and back edges thereof.

2,413,269
METHOD OF PROJECTING MOTION PICTURES
Fred Waller, Huntington, N. Y., and Willis Robert Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y., a corporation of New York
Application February 1, 1944, Serial No. 520,592
10 Claims. (Cl. 88—16.8)

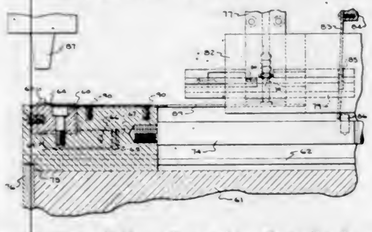
1. The method of projecting a stationary picture image onto a screen which comprises continuously advancing a film having a picture image frame thereon through a curved gate having an aperture longer than said frame, and projecting a beam of light which is shorter than said frame through said frame and aperture to project an elemental part of the film image while rotating said beam on an axis concentric with the axis of curvature of the film in the gate at an angular ve-

locity sufficiently greater than the angular velocity of the film in the gate to cause said beam



to scan the full length of said frame while traversing the full length of said aperture.

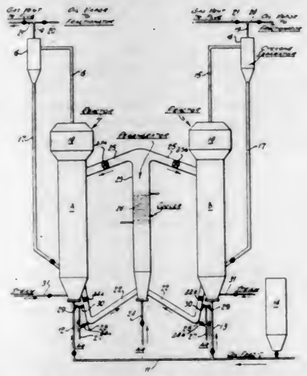
2,413,270
MOVABLE ANVIL RIVETING MACHINE
Loyd A. Ward, Detroit, and Eben D. Taylor, Jackson, Mich., assignors to Tomkins-Johnson Company, Jackson, Mich., a corporation of Michigan
Original application February 28, 1938, Serial No. 192,946, now Patent No. 2,360,991, dated October 24, 1944. Divided and this application March 6, 1944, Serial No. 525,170
1 Claim. (Cl. 78—48)



A machine of the character described, comprising a laterally movable anvil having rivet clamping means associated therewith, said rivet clamping means being movable with said anvil, a set, an extension from said anvil for upsettable members, means to dispose an upsettable member on said anvil extension, means including said anvil extension to support upsettable members in the path of movement of said anvil and rivet clamping means, said rivet clamping means having means to guide an upsettable member disposed as aforesaid into clamping relation with said clamping means as said anvil and rivet clamping means move laterally away from said set, and means to move said anvil and upsettable member into co-operating relation with said set.

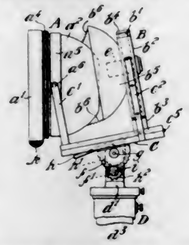
2,413,271
CATALYTIC TREATMENT OF HYDROCARBONS
Halsted R. Warrick, West Englewood, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 27, 1944, Serial No. 555,996
3 Claims. (Cl. 196—52)

1. In the catalytic conversion of hydrocarbons and reactivation of catalyst conducted in a plurality of reactors and an associated chamber used alternatively with said reactors for catalyst reactivation, the process that comprises processing the hydrocarbons in one of said reactors by charging hydrocarbon vapors into the lower portion thereof, by continuously charging the hydrocarbon vapors and passing the vapors at conversion temperature upwardly through said reactor in contact with comminuted catalyst held in suspension in the vapors to subject the vapors to catalytic conversion and by retaining catalyst in the reactor in suspension in the current of upwardly flowing vapors while passing the vapors overhead from the reactor, simultaneously reactivating used catalyst in a second reactor by establishing and maintaining a cyclic passage of the used catalyst through the latter reactor and said associated chamber in suspension in a current of oxidizing gas and by withdrawing re-



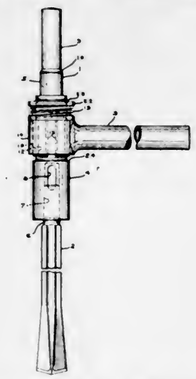
sultant combustion gases while maintaining catalyst in cyclic passage, then discontinuing the processing in the first reactor and the reactivation in the second reactor and associated chamber, diverting the charge of hydrocarbon vapors to the second reactor and subjecting the vapors to processing therein in the manner of processing hereinbefore specified and subjecting the used catalyst in the first reactor to reactivation by cyclic passage in the first reactor and said associated chamber in the manner of reactivating hereinbefore specified.

2,413,272
TILTING CAMERA
Bernard Wheelwright, West Smethwick, England
Application June 19, 1944, Serial No. 541,055
In Great Britain September 22, 1943
11 Claims. (Cl. 95—50)



1. Photographic apparatus, comprising a camera having a base tiltable in a direction to vary the angle of elevation of the optical axis of the camera, a body section mounted on the base to be elevated relatively thereto and having a holder for an image receiving surface, means for mounting said body section on the base for pivotal movement about a substantially horizontal axis transverse to the optical axis of the camera, means for automatically maintaining the body section in a substantially vertical plane irrespective of the angle to which the base is tilted in a direction to vary the angle of elevation of the optical axis of the camera, a lens section mounted on the base in cooperative relation with the body section and carrying a lens which is movable into elevated and depressed positions relatively to the base to thereby deflect the angle of elevation of the optical axis of the lens to any desired angle to the normal to the plane of an image receiving surface in the holder, and means responsive to said tilting movement of the base for automatically elevating the lens section or the body section relatively to the base to an extent proportional to the extent the base is tilted to raise or lower respectively the angle of elevation of the optical axis of the camera to maintain the foot of the optical axis of the lens and the center point of the image receiving surface substantially coincident.

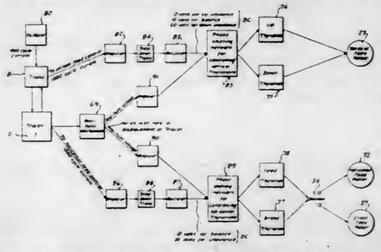
2,413,273
BIT CONTROL FOR PERCUSSIVE TOOLS
Glenn C. Wilhide, Towson, Md., assignor to The Black and Decker Manufacturing Company, a corporation of Maryland
Application March 27, 1945, Serial No. 585,146
3 Claims. (Cl. 255—36)



1. The combination with a bit holder for percussive tools comprising a handle having a collar thereon, the holder fitting loosely in said collar, said holder and collar having means to limit relative rotation therebetween, said holder having resilient means above said collar to resiliently suspend the holder in the collar and the holder having an abutment below the collar located to permit free limited upward movement of the holder in the collar, said resilient means comprising a compression spring and opposed collars on the holder above the handle collar, with the spring therebetween, said holder having a groove extending cercumferentially therein and a spring ring in said groove to limit the upward movement of the upper of said opposed collars.

2,413,274
DUPLICATING MACHINE AND ELECTRICAL CONTROL THEREFOR
James W. Wilkie and Edmond G. Franklin, Minneapolis, Minn., assignors to Continental Machines, Inc., a corporation of Minnesota
Application March 20, 1941, Serial No. 384,342
8 Claims. (Cl. 90—13.5)

1. In a control for controlling the supply of E. M. F. to an electric translating machine in accordance with the dictation of a pattern following tracer: a tracer having a stylus adapted for positive and negative displacement from a neutral position in response to contour changes of the pattern; means for translating displacement of the tracer stylus into E. M. F. of different voltages depending upon the direction and amount of tracer stylus displacement; a thermionic rectifier tube of the Thyratron type connected between the translating machine and an A. C. source to supply D. C. to the machine at current values depending upon the conductivity of the tube, the characteristic of the tube being such that its conductivity depends upon the phase



angle between its plate and grid voltages; means for impressing an A. C. voltage on the grid of the tube; a phase shifting network for controlling the phase of the A. C. voltage impressed on the grid with relation to the A. C. voltage on the plate of the tube, said phase shifting network including a thermionic tube as its controlling element; and means for applying the varying voltage resulting from tracer stylus displacement on the grid of said thermionic tube in the phase shifting network to control its affect in the network and thereby cause the network to regulate the phase relationship of the grid and plate voltages on the Thyratron tube as commanded by the tracer.

2,413,275
POLYVINYL ACETAL MALEATES AND METHOD OF MAKING SAME
Frank E. Wilson, Ashland, Gustavus J. Esselen, Swampscott, and Gaetano F. D'Alelio, Northampton, Mass., assignors, by mesne assignments, to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application August 27, 1943, Serial No. 500,278
7 Claims. (Cl. 260—73)

7. In the process of acetalizing a polyvinyl compound containing repeating

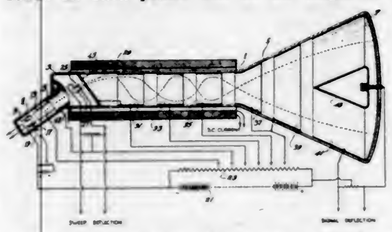
$$-CH_2-\underset{\displaystyle OH}{\underset{|}{CH}}-$$

units with an aldehyde, the improvement which comprises conducting the acetalization under anhydrous conditions and in the presence of a single catalyst selected from the group consisting of maleic acid and maleic anhydride, the maleic compound also acting simultaneously as an esterifying agent.

2,413,276
CATHODE-RAY APPARATUS
Irving Wolff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 19, 1942, Serial No. 466,129
12 Claims. (Cl. 250—155)

1. The method of deflecting an electron beam over a target surface comprising sweeping the

beam in a plane through a predetermined angle, developing an axial magnetic field having lines of force in said plane but at an angle to said



beam and to one side of the centrally disposed axis of said field to cause said beam to follow helical paths, and intercepting said beam with a target surface.

2,413,277

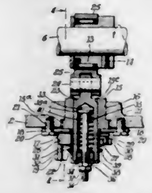
THREAD CONTROLLING MEANS FOR SEWING MACHINES

Frederick F. Zeier, Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application May 14, 1945, Serial No. 593,679

16 Claims. (Cl. 112—255)

1. In a sewing machine having a frame; an intermittent thread tension device comprising a bushing carried by said frame, an abutment member mounted on said bushing, a plunger reciprocally supported by said bushing, a pair of opposed tension disks mounted on said plunger, a first one of said disks engaging said abutment member, a yieldable thrust member carried by said plunger and adapted by axial movement of said plunger to force the second of said disks



into thread-clamping contact with the first disk, and means for reciprocating said plunger during each stitch-forming cycle.

2,413,278

BACTERIOLOGICAL PROCESS FOR TREATMENT OF FLUID-BEARING EARTH FORMATIONS

Claude E. Zobell, La Jolla, Calif., assignor to American Petroleum Institute, New York, N. Y., a corporation of the District of Columbia, and dedicated to the public throughout the world by said American Petroleum Institute

No Drawing. Application March 17, 1944, Serial No. 527,010

4 Claims. (Cl. 195—1)

4. The method of increasing or facilitating the recovery of oil from a subterranean oil-bearing formation which comprises subjecting the formation to the action of *Desulfovibrio halohydrocarbonoclasticus*.

DESIGNS

DECEMBER 24, 1946

146,096

DESIGN FOR A CLASS PIN

Richard W. Bates, Annapolis, Md., assignor to the 1948 A and B Classes of the United States Naval Academy

Application March 16, 1946, Serial No. 127,574

Term of patent 3½ years

(Cl. D45—19)



The ornamental design for a class pin, substantially as shown.

146,097

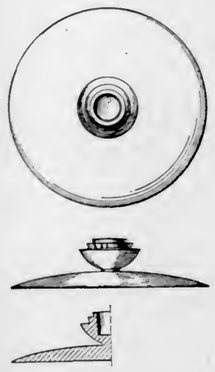
DESIGN FOR A CANDLESTICK

Milton R. Bellin, New York, N. Y.

Application October 29, 1945, Serial No. 123,274

Term of patent 7 years

(Cl. D48—2)



The ornamental design for a candlestick, as shown.

146,098

DESIGN FOR A FLASK

Amédée d'Anselme, Paris, France, assignor to Societe D'Etudes et D'Expansion De La Parfumerie De Luxe, Paris, France

Application July 14, 1945, Serial No. 120,698

In France January 25, 1944

Term of patent 14 years

(Cl. D58—8)



The ornamental design for a flask, as shown and described.

146,099

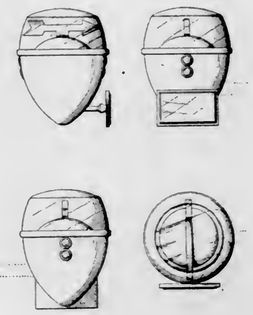
DESIGN FOR A TURNING SIGNAL

Charles E. Edwards, Santa Paula, Calif.

Application December 18, 1945, Serial No. 124,820

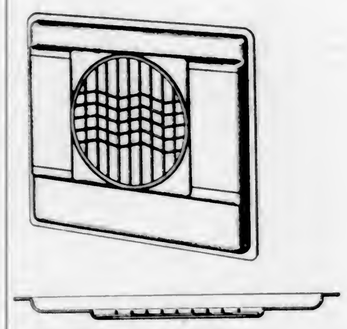
Term of patent 7 years

(Cl. D72—1)



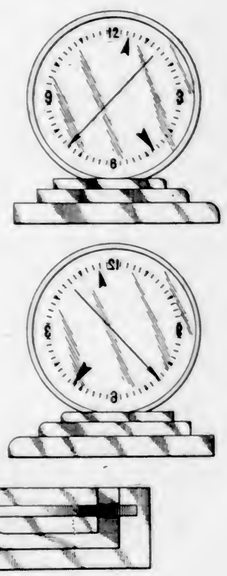
The ornamental design for a turning signal, as shown.

146,100
DESIGN FOR A FACE PLATE FOR AIR CONDITIONERS
Bryant Essick, Los Angeles, Calif.
Application October 10, 1945, Serial No. 122,707
Term of patent 7 years
(Cl. D62—4)



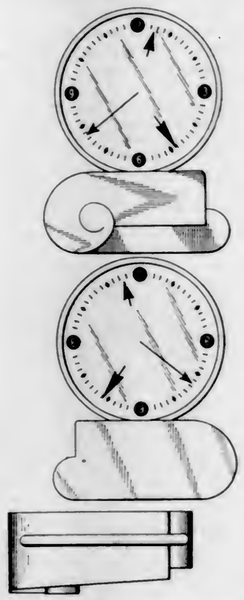
The ornamental design for a face plate for air conditioners, as shown.

146,101
DESIGN FOR A CLOCK
Samuel Allen Gardner, Chicago, Ill.
Application August 3, 1946, Serial No. 132,275
Term of patent 14 years
(Cl. D42—7)



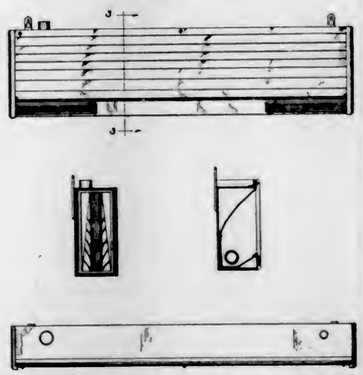
The ornamental design for a clock, substantially as shown.

146,102
DESIGN FOR A CLOCK
Samuel Allen Gardner, Chicago, Ill.
Application August 3, 1946, Serial No. 132,276
Term of patent 14 years
(Cl. D42—7)



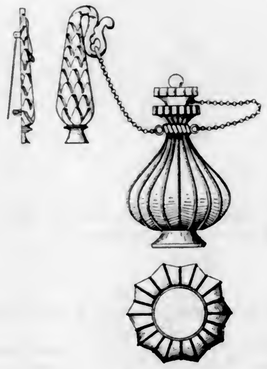
The ornamental design for a clock, substantially as shown.

146,103
DESIGN FOR AN ULTRAVIOLET STERILIZER
George E. Glatthar, University Heights, and Joseph Terr, Cleveland Heights, Ohio, assignors to The Art Metal Company, Cleveland, Ohio, a corporation of Ohio
Application May 31, 1945, Serial No. 119,823
Term of patent 14 years
(Cl. D83—1)



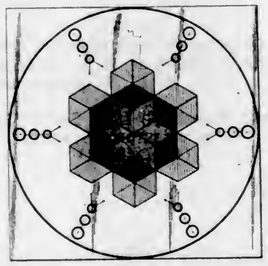
The ornamental design for an ultraviolet sterilizer, substantially as shown.

146,104
DESIGN FOR A COMBINED LAPEL PIN AND PERFUME CONTAINER
Harold Graeter, Sherman, Conn., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application October 9, 1945, Serial No. 122,681
Term of patent 14 years
(Cl. D45—19)



The ornamental design for a combined lapel pin and perfume container, as shown.

146,105
DESIGN FOR A GAME BOARD
Roy R. Hart, San Jose, Calif.
Application January 18, 1946, Serial No. 125,697
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board, as shown and described.

146,106
DESIGN FOR A SHOE
William H. Hinson, Webster Groves, Mo.
Application August 3, 1946, Serial No. 132,269
Term of patent 3½ years
(Cl. D7—7)



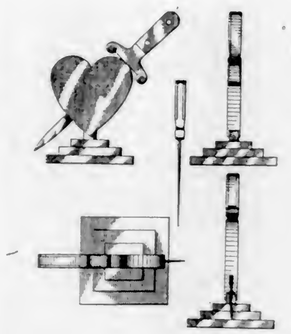
The ornamental design for a shoe, substantially as shown.

146,107
DESIGN FOR AN EMBROIDERED FABRIC
Lewis H. Hollander, New York, N. Y.
Application September 24, 1946, Serial No. 133,534
Term of patent 3½ years
(Cl. D92—1)



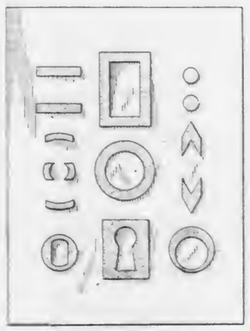
The ornamental design for an embroidered fabric, substantially as shown and described.

146,108
DESIGN FOR A COMBINATION LETTER OPENER AND PAPERWEIGHT
Leonard F. Johnson, Arlington, Va.
Application March 29, 1946, Serial No. 128,061
Term of patent 14 years
(Cl. D74—12)



The ornamental design for a combination letter opener and paper weight, as shown.

146,109
DESIGN FOR A DECALCOMANIA SHEET
Edgar R. Jones and Lewis T. Lanier, Miami, Fla.; said Lanier assignor to said Jones
Application November 21, 1945, Serial No. 123,968
Term of patent 3½ years
(Cl. D59—2)



The ornamental design for a decalcomania sheet, as shown.

146,110
DESIGN FOR A SHOE
Mabel Julianelli and Charles A. Julianelli, New York, N. Y.
Application June 22, 1946, Serial No. 130,937
Term of patent 3½ years
(C. D7—7)



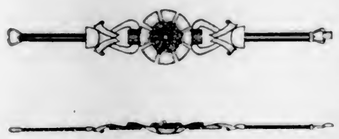
The ornamental design for a shoe, substantially as shown and described.

146,111
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,462
Term of patent 7 years
(Cl. D45—19)



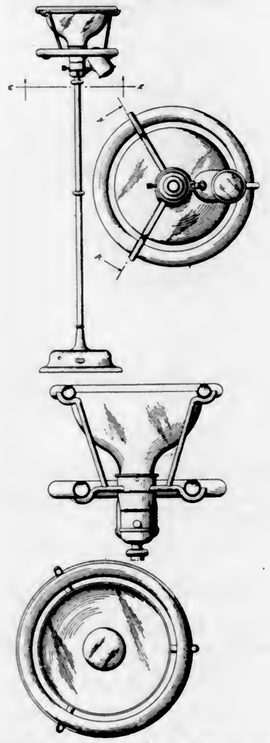
The ornamental design for a brooch or similar article, substantially as shown.

146,112
DESIGN FOR A BRACELET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1946, Serial No. 127,473
Term of patent 7 years
(Cl. D45—4)



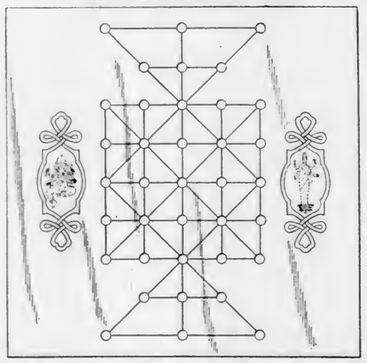
The ornamental design for a bracelet, as shown.

146,113
DESIGN FOR A LAMP
Dale J. McGinnis, Chicago, Ill.
Application November 28, 1945, Serial No. 124,143
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp, as shown.

146,114
DESIGN FOR A GAME BOARD
Joseph Magro, Rochester, N. Y.
Application December 17, 1945, Serial No. 124,799
Term of patent 7 years
(Cl. D34—5)



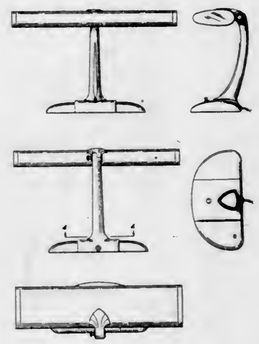
The ornamental design for a game board, substantially as shown and described.

146,115
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Harry A. Malinowski, Meriden, Conn., assignor to The Ellmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application November 19, 1945, Serial No. 123,879
Term of patent 14 years
(Cl. D45—4)



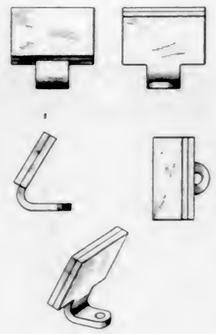
The ornamental design for a bracelet or similar article, substantially as shown.

146,116
DESIGN FOR A LAMP
William Fred Masterson, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application November 15, 1945, Serial No. 123,776
Term of patent 14 years
(Cl. D48—20)



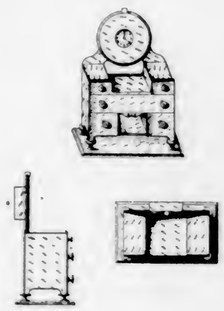
The ornamental design for a lamp, substantially as shown and described.

146,117
DESIGN FOR A TAP KNOB
Clark C. Merritt, Red Bank, N. J.
Application May 29, 1945, Serial No. 119,786
Term of patent 14 years
(Cl. D2—3)



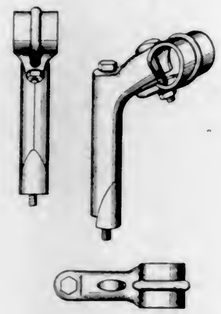
The ornamental design for a tap knob, as shown.

146,118
DESIGN FOR A MINIATURE BUREAU FOR JEWELRY
Nathan E. Morton, New York, N. Y., assignor to Erdeo Engineering, Research & Development Company, Newark, N. J.
Application October 18, 1945, Serial No. 122,940
Term of patent 3½ years
(Cl. D58—11)



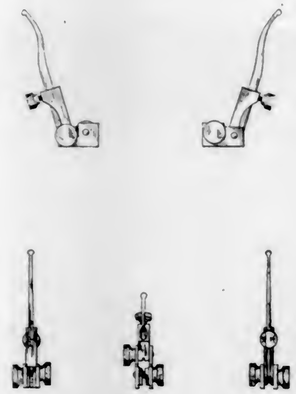
The ornamental design for a miniature bureau for jewelry, as shown.

146,119
DESIGN FOR A BICYCLE STEERING POST
Ewald F. Pawsat, Maysville, Ky.
Application January 16, 1946, Serial No. 125,619
Term of patent 14 years
(Cl. D90—11)



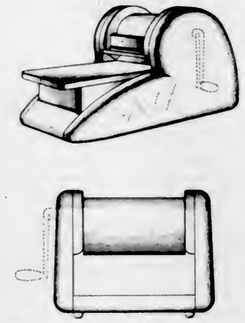
The ornamental design for a bicycle steering post, as shown.

146,120
DESIGN FOR AN ARM ATTACHMENT FOR A GAUGE
Peter P. Polloway, Forest Park, Ill.
Application November 26, 1945, Serial No. 124,084
Term of patent 14 years
(Cl. D52—1)



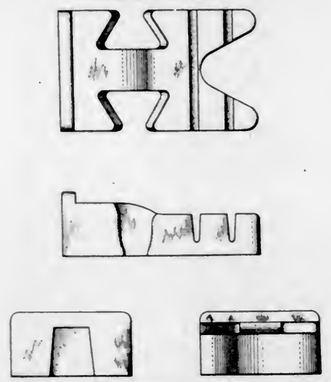
The ornamental design for an arm attachment for a gauge, substantially as shown.

146,121
DESIGN FOR A DUPLICATING MACHINE
Leo R. Randell, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 2, 1946, Serial No. 126,219
Term of patent 14 years
(Cl. D64—11)



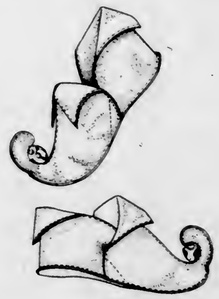
The ornamental design for a duplicating machine, as shown and described.

146,122
DESIGN FOR A COMBINED HAIR BRUSH AND COMB RACK
Philip Ruddick, Chicago, Ill.
Application May 15, 1946, Serial No. 129,713
Term of patent 7 years
(Cl. D86—10)



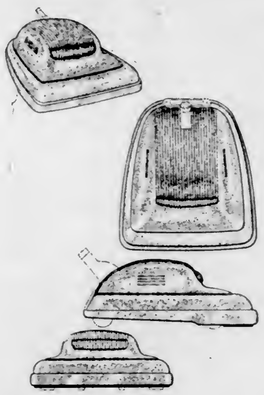
The ornamental design for a combined hair brush and comb rack, substantially as shown.

146,123
DESIGN FOR A SLIPPER
Sylvia Flack Thompson, Modesto, Calif.
Application August 16, 1946, Serial No. 132,586
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a slipper, as shown.

146,124
DESIGN FOR A VACUUM CLEANER CASING
George W. Walker, Pleasant Ridge, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan
Application November 19, 1943, Serial No. 111,737
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a vacuum cleaner casing, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, Chicago, Ill. Hormone preparation. Serial No. 500,157; Dec. 24. Class 6.

Allied Control Valve Co. Inc., The, South Norwalk, Conn. Solenoid valves. Serial No. 495,942; Dec. 24. Class 21.

Allied Plastics Company, assignor to Allied Plastics Company, Los Angeles, Calif. Compacts. Serial No. 484,381; Dec. 24. Class 2.

Aloha Flower Co.: *See*—
Temple, Philip R.

American Cyanamid & Chemical Corporation, assignor to American Cyanamid Company, New York, N. Y. Preparation having use as an insecticide, rodenticide, weed killer, etc. Serial No. 500,922; Dec. 24. Class 6.

American Cyanamid Company, assignee: *See*—
American Cyanamid & Chemical Corporation.

American Glass Art Co., New York, N. Y. Glass figurines. Serial No. 494,808; Dec. 24. Class 50.

American Glossite Company, Inc., Putnam, Conn. Yarns. Serial No. 500,044; Dec. 24. Class 43.

American Products Company, The, doing business as Zanol Products Company, Cincinnati, Ohio. Chemical preparation. Serial No. 467,508; Dec. 24. Class 6.

American Products Company, The, doing business as Zanol Products Company, Cincinnati, Ohio. Cleaning, scouring, and polishing substances and articles. Serial No. 481,257; Dec. 24. Class 4.

American Products Company, The, doing business as Zanol Products Company, Cincinnati, Ohio. Scratch remover. Serial No. 481,258; Dec. 24. Class 16.

American Sponge & Chamois Co., Inc., New York, N. Y. Cellulose sponges. Serial No. 495,564; Dec. 24. Class 1.

Ampco Metal, Inc., Milwaukee, Wis. Electric terminals and contacts. Serial No. 479,410; Dec. 24. Class 21.

Anaconda Wire and Cable Company, New York, N. Y. Electric wires and cables. Serial No. 501,152; Dec. 24. Class 21.

Anderson, Eleanor R., Los Angeles, Calif. Vitamin preparation. Serial No. 500,352; Dec. 24. Class 6.

Ascot Ltd., Inc., New York, N. Y. Combination purse and billfold. Serial No. 501,153; Dec. 24. Class 3.

Associated Merchandising Corporation, New York, N. Y. Clinical thermometers. Serial No. 508,461; Dec. 24. Class 44.

Augstein, S., & Co., Inc., College Point, N. Y. Women's, misses', and children's dresses, playsuits, and bathing suits. Serial No. 501,894; Dec. 24. Class 39.

Bachmeier & Co. Inc., New York, N. Y. Dyes. Serial No. 501,708; Dec. 24. Class 6.

Bancroft Sportswear Inc., Boston, Mass. Sport jackets, sport shirts. Serial No. 502,615; Dec. 24. Class 39.

Belfaire Cosmetics, Inc., New York, N. Y. Permanent cold wave home kits. Serial No. 490,627; Dec. 24. Class 50.

Blocker, Walter A., New York, N. Y. Lorgnettes, eyeglasses, and constituent parts thereof. Serial No. 499,693; Dec. 24. Class 26.

Blue Streak Products Company: *See*—
Holman, Luella M.

Bostonian Mfg. Corp., New York, N. Y. Handbags. Serial No. 499,762; Dec. 24. Class 3.

Brown, Paul, Company Inc., New York, N. Y. Ladies' handbags. Serial No. 499,313; Dec. 24. Class 3.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, smoking tobacco, chewing tobacco and snuff. Serial Nos. 496,422–3; Dec. 24. Class 17.

Carosel Parfum, assignee: *See*—
Gordon, Marvin.

Case-Swayne Company, Merced, Calif. Fruit products. Serial No. 483,052; Dec. 24. Class 46.

Cellulo Company, The, Sandusky, Ohio. Filtering apparatus. Serial No. 498,394; Dec. 24. Class 31.

Chemdrug Corporation, The, New York, N. Y. Perfumed sachet. Serial No. 494,814; Dec. 24. Class 6.

Chemdrug Corporation, The, New York, N. Y. Preparation for the treatment of eczema. Serial No. 500,365; Dec. 24. Class 6.

Chicago Printed String Company, Chicago, Ill. Wrapping string or tape. Serial No. 500,366; Dec. 24. Class 7.

Chicopee Manufacturing Corporation of Georgia, Gainesville, Ga. Fabric. Serial No. 500,521; Dec. 24. Class 42.

Chiris, Antonie, Company, Inc., New York, N. Y. Fixed oils. Serial No. 498,582; Dec. 24. Class 6.

Coleman, Marshall, New York, N. Y. Women's blouses and dresses. Serial No. 492,489; Dec. 24. Class 39.

Colin Pharmacal Co., Inc., Brooklyn, N. Y. Mixture of ingredients having therapeutic value. Serial No. 501,800; Dec. 24. Class 6.

Copley-Smith, L., & Sons Limited, Manchester, England. Yarn and threads. Serial No. 492,898; Dec. 24. Class 43.

Consolidated Cosmetics, Chicago, Ill. Spectacles, moving picture film, and cameras. Serial No. 500,604; Dec. 24. Class 26.

Continental Can Company, Inc., New York, N. Y. Waste paper baskets. Serial No. 493,538; Dec. 24. Class 2.

Continental Coffee Company, Chicago, Ill. Seasoning and coloring agent. Serial No. 502,193; Dec. 24. Class 46.

Cynthia Sweets Company, East Boston, Mass. Confectionery. Serial No. 480,277; Dec. 24. Class 46.

Dart Board Equipment Company, Philadelphia, Pa. Darts and dart games. Serial No. 495,794; Dec. 24. Class 22.

Dental Specialty Manufacturing Co., Inc., The, Denver, Colo. Diamond instrument cleaner. Serial No. 499,322; Dec. 24. Class 6.

Di Giorgio Fruit Corporation, San Francisco, Calif. Canned fruit juices and fresh fruits and vegetables. Serial No. 489,903; Dec. 24. Class 46.

Doho Chemical Corporation, New York, N. Y. Ear drops. Serial No. 496,548; Dec. 24. Class 6.

Doniger, David D., & Co., Inc., New York, N. Y. Men's, boys', and women's jackets and coats. Serial No. 504,097; Dec. 24. Class 39.

Draine, John J., doing business as Laundex Chemical Products Co., New York, N. Y. Chemical preparation. Serial No. 506,653; Dec. 24. Class 4.

Du Mont, Allen B., Laboratories, Inc., Passaic, N. J. Television receivers. Serial No. 501,723; Dec. 24. Class 21.

Durex Manufacturing Corporation, New York, N. Y. Leather goods. Serial No. 499,891; Dec. 24. Class 3.

Eastern-Sterilex Manufacturing Co., Brooklyn, N. Y. Nursing bottle sterilizers. Serial No. 509,507; Dec. 24. Class 44.

Edison, Thomas A., Incorporated, West Orange, N. J. Sound recording and reproducing apparatus. Serial No. 479,785; Dec. 24. Class 21.

Empire Dehydrated Products, Inc., New York, N. Y. Concentrated soup bases. Serial No. 502,507; Dec. 24. Class 46.

Empire State Cheese Company, Olean, N. Y. Cheese. Serial No. 499,701; Dec. 24. Class 46.

Enoz Chemical Company, Chicago, Ill. Insecticide, moth spray, and moth and larvae inhibitor. Serial No. 486,090; Dec. 24. Class 6.

Eutectic Welding Alloys Corporation, New York, N. Y. Alloys in various forms. Serial No. 497,381; Dec. 24. Class 14.

Farmers Engineering & Manufacturing Co., Pittsburgh, Pa. Loudspeakers and amplifiers. Serial No. 491,966; Dec. 24. Class 21.

Fitchburg Spinners Sales Corporation, Fitchburg, Mass. Yarns. Serial Nos. 497,536–7; Dec. 24. Class 43.

Fitchburg Spinners Sales Corporation, Fitchburg, Mass. Yarns. Serial No. 501,726; Dec. 24. Class 43.

Frank, Samuel K., Wheeling, W. Va. Ash trays. Serial No. 494,398; Dec. 24. Class 8.

Fruit Products of America: *See*—
Mattison, Raymond J.

Galovich, Steve, Omaha, Nebr. Salve. Serial No. 502,434; Dec. 24. Class 6.

Garmendia, Alberto C., Buenos Aires, Argentina. Nail polish, lipstick, rouge, etc. Serial No. 489,456; Dec. 24. Class 6.

Geigy Company, Inc., New York, N. Y. Chemical agent. Serial No. 501,659; Dec. 24. Class 6.

Geigy Company, Inc., New York, N. Y. Chemical agent. Serial No. 501,661; Dec. 24. Class 6.

General Chemical Company, New York, N. Y. Insecticides and fungicides. Serial No. 502,069; Dec. 24. Class 6.

Glasco Products Company, Chicago, Ill. Graduated formula pitchers. Serial No. 499,547; Dec. 24. Class 26.

Glidden Company, The, Cleveland, Ohio. Insecticides and herbicides. Serial No. 500,075; Dec. 24. Class 6.

Goldstone Bros., San Francisco, Calif. Overalls. Serial No. 492,041; Dec. 24. Class 39.

Goodman Cigar Co. Inc., Westfield, Mass. Cigars. Serial No. 495,289; Dec. 24. Class 17.

Gordon, Marvin, assignor to Carosel Parfum Co., New York, N. Y. Toilet water. Serial No. 497,025; Dec. 24. Class 6.

Grant, Foster, Co. Inc., Leominster, Mass. Sunglasses, ophthalmic frames, lenses, etc. Serial No. 501,974; Dec. 24. Class 26.

Grant, Foster, Co. Inc., Leominster, Mass. Sunglasses. Serial No. 501,975; Dec. 24. Class 26.

Grant, Foster, Co. Inc., Leominster, Mass. Sunglass lenses. Serial No. 501,978; Dec. 24. Class 26.

Grant, Foster, Co. Inc., Leominster, Mass. Sunglass lenses. Serial No. 501,980; Dec. 24. Class 26.

Grossman Music Co., Cleveland, Ohio. Toy whistles. Serial No. 511,324; Dec. 24. Class 22.

Heribert, Herbert J., New York, N. Y. Solution to be used as a coating, finish, or lacquer. Serial No. 501,323; Dec. 24. Class 6.

Hicks Battery Manufacturing Co., Columbus, Ga. Electric storage batteries. Serial No. 501,508; Dec. 24. Class 21.

Hieber, Wm. S., doing business as Henri Monet, Atlanta, Ga. Perfumes. Serial No. 503,199; Dec. 24. Class 6.
Holman, Luella M., doing business as Blue Streak Products Company, Hiawatha, Kans. Penetrating oil. Serial No. 499,838; Dec. 24. Class 15.
Hudnut, Richard, New York, N. Y. Lipstick. Serial No. 486,674; Dec. 24. Class 6.
Hudnut, Richard, New York, N. Y. Cosmetic kits. Serial No. 501,666; Dec. 24. Class 6.
Iselin-Jefferson Company, assignor to Iselin-Jefferson Company, Inc., New York, N. Y. Cotton piece-goods. Serial No. 500,007; Dec. 24. Class 42.
Iselin-Jefferson Company, Inc., assignee: *See*—
Iselin-Jefferson Company.
Jiggers, Inc., Chicago, Ill. Slip-on unit of solder and flux in ignitable shell. Serial No. 482,426; Dec. 24. Class 14.
Kahn, David, Inc., North Bergen, N. J. Fountain pens and mechanical pencils. Serial No. 479,286; Dec. 24. Class 37.
Kennerly, H. B., & Son, doing business as Roaring Point Oyster Co., Nanticoke, Md. Fresh canned oysters. Serial No. 496,968; Dec. 24. Class 46.
Kingsboro Silk Mills, Inc., Daisy, Tenn. Ladies' and children's knitted, cotton, silk, or rayon vests, bloomers, panties, etc. Serial No. 501,744; Dec. 24. Class 39.
Klein, Joseph M., New York, N. Y. Men's overcoats and topcoats, and suits. Serial No. 502,518; Dec. 24. Class 39.
Kranzberg, Max H., doing business as Radionic Equipment Company, New York, N. Y. Radio receiving sets and radio vacuum tubes. Serial No. 501,670; Dec. 24. Class 21.
Kratt, William, doing business as Wm. Kratt Co., Union, N. J. Harmonicas. Serial No. 496,914; Dec. 24. Class 26.
Kratt, Wm., Co.: *See*—
Kratt, William.
La Floreal Parfum Sales Co.: *See*—
Simon, Harry A.
Laundex Chemical Products Co.: *See*—
Draine, John J.
Lehman Bros., Cleveland, Ohio. Skin and hair conditioner. Serial No. 501,579; Dec. 24. Class 6.
Lenhoff, Neil L., Detroit, Mich. Women's clothing and apparel. Serial No. 508,083; Dec. 24. Class 39.
Lentheric, Incorporated, New York, N. Y. Perfumes, tolet waters, and cosmetic creams. Serial No. 474,859; Dec. 24. Class 6.
Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. Serial Nos. 502,986–7; Dec. 24. Class 6.
Les Parfums de Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. Serial No. 495,039; Dec. 24. Class 2.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. Serial No. 499,719; Dec. 24. Class 4.
Liebel-Flarsheim Co., The, Cincinnati, Ohio. Diathermy machines. Serial No. 509,991; Dec. 24. Class 44.
Little Bear Specialties Co., Inc., Kansas City, Mo. Liquid fabric cement. Serial No. 510,399; Dec. 24. Class 5.
Magitex Company, Inc., Saco, Maine. Insecticides. Serial No. 501,673; Dec. 24. Class 6.
Maltine Company, The, New York, N. Y. Bulk laxative. Serial Nos. 501,851–2; Dec. 24. Class 6.
Maltine Company, The, New York, N. Y. Hemostatic agent. Serial No. 501,853; Dec. 24. Class 6.
Manchester Knitted Fashions, Inc., Manchester, N. H. Women's knitted tee shirts, and knitted sweaters. Serial No. 502,310; Dec. 24. Class 39.
Mapril Inc., New York, N. Y. Oil shampoo tint. Serial No. 500,235; Dec. 24. Class 6.
Marine Company, The, Philadelphia, Pa. Screw driver sets, snips, end nippers, etc. Serial No. 494,345; Dec. 24. Class 23.
Mattison, Raymond J., doing business as Fruit Products of America, Arcadia, Calif. Canned citrus juices. Serial No. 495,145; Dec. 24. Class 46.
McKee, Joseph B., doing business as Multi Mfg. Co., Los Angeles, Calif. Salt and pepper shakers. Serial No. 505,142; Dec. 24. Class 2.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Blood coagulant. Serial No. 496,919; Dec. 24. Class 6.
Mido Watch Company of America, Inc., assignee: *See*—
Societe Anonyme Mido.
Miller-Simons, Inc., Cicero, Ill. Mechanical toys. Serial No. 510,187; Dec. 24. Class 22.
Monet, Henri: *See*—
Hieber, Wm. S.
Multi Mfg. Co.: *See*—
McKee, Joseph B.
Narragansett Industries Corporation, Providence, R. I. Underwear and pajamas for men. Serial No. 501,525; Dec. 24. Class 39.
National Ring & Leather Corporation, Mansfield, Ohio. Wallets. Serial No. 500,764; Dec. 24. Class 3.
New Era Canning Company, New Era, Mich. Canned vegetables and canned fruits. Serial No. 475,730; Dec. 24. Class 46.
Nichols Plastic and Engineering Company: *See*—
Nichols, Warren O.
Nichols, Warren O., doing business as Nichols Plastic and Engineering Company, Los Angeles, Calif. Salt and pepper shakers, fruit dishes, cereal bowls, etc. Serial No. 494,107; Dec. 24. Class 2.
Noel & Cia. Ltda. Sociedad Argentina de Dulces y Conservas, Buenos Aires, Argentina. Pickles, spices, preserved vegetables, etc. Serial No. 468,469; Dec. 24. Class 46.
Nova Chemical Corporation, New York, N. Y. Dyestuffs and pigment colors. Serial No. 495,403; Dec. 24. Class 6.
Nutritional Research Associates, Inc., South Whitley, Ind. Medicinal feeding preparation. Serial No. 486,159; Dec. 24. Class 6.
Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. Serial No. 487,629; Dec. 24. Class 3.
Panther Oil and Grease Mfg. Co., Fort Worth, Tex. Liquid asbestos roof coating and plastic asbestos roof cement. Serial No. 507,486; Dec. 24. Class 12.
Parfums de Renel, Inc., New York, N. Y. Perfume, toilet water, brilliantine, etc. Serial No. 491,213; Dec. 24. Class 6.
Parfums de Renel, Inc., Mount Vernon, N. Y. Perfume, toilet water, brilliantine, etc. Serial No. 501,274; Dec. 24. Class 6.
Parfums Felice Co.: *See*—
Westall, Evelyn.
Pettibone Mulliken Corporation, Chicago, Ill. Crushing and pulverizing machinery and parts thereof, etc. Serial No. 481,753; Dec. 24. Class 23.
Porterville Vegetable Growers Inc., Porterville, Calif. Fresh vegetables. Serial No. 498,453; Dec. 24. Class 46.
Puritan Compressed Gas Corporation, Kansas City, Mo. Equipment used for the administration of anesthetic, resuscitation, and therapeutic gases. Serial No. 495,502; Dec. 24. Class 44.
Pynol Company, The, Quincy, Ill. Liquid pine oil disinfectant. Serial No. 501,199; Dec. 24. Class 6.
Radionic Equipment Company: *See*—
Kranzberg, Max H.
Reciprocal Trade Corporation, The, New York, N. Y. Radio and television receiving sets. Serial No. 487,386; Dec. 24. Class 21.
Republic Aviation Corporation, Farmingdale, Long Island, N. Y. Airplanes. Serial No. 496,334; Dec. 24. Class 19.
Rich, Ivor, New York, N. Y. Lipsticks. Serial No. 482,396; Dec. 24. Class 6.
Roaring Point Oyster Co.: *See*—
Kennerly, H. B., & Son.
Rosenbaum, Henry K., New York, N. Y. Coin cases. Serial No. 498,799; Dec. 24. Class 3.
Roseville Pottery, Inc., Zanesville, Ohio. Pottery articles. Serial No. 495,101; Dec. 24. Class 30.
Sager, Solomon M., Chicago, Ill. Humidors. Serial No. 500,420; Dec. 24. Class 8.
Sardou, A. P., Laboratories: *See*—
Sardou, Anthony P.
Sardou, Anthony P., doing business as A. P. Sardou Laboratories, Albany, N. Y. Medicated cream. Serial No. 497,418; Dec. 24. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antigenic preparation. Serial No. 501,874; Dec. 24. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for use in the treatment of the circulatory system. Serial No. 501,876; Dec. 24. Class 6.
Shasta Volcolite Company Inc., Benicia, Calif. Bricks. Serial No. 485,889; Dec. 24. Class 12.
Silbert, Maurice W., doing business as Williams Pharmaceuticals, Cleveland Heights, Ohio. Preparation in liquid and capsule form. Serial No. 499,289; Dec. 24. Class 6.
Simon, Harry A., doing business as La Floreal Parfum Sales Co., Hollywood, Calif. Perfumes and colognes. Serial No. 482,183; Dec. 24. Class 6.
Simon Mattress Manufacturing Co., San Francisco, Calif. Sleeping bags in the nature of beds. Serial No. 496,480; Dec. 24. Class 22.
Smith, L. C., Gun Company, Incorporated, The, Fulton, N. Y. Guns and parts thereof. Serial No. 499,440; Dec. 24. Class 9.
Smith Rakoff & Feldman, Inc., New York, N. Y. Ladies' coats and suits. Serial No. 504,702; Dec. 24. Class 39.
Societe Anonyme Mido, Bienne, Switzerland, assignor to Mido Watch Company of America, Inc., New York, N. Y. Watches and chronometers, watch movements, etc. Serial No. 457,553; Dec. 24. Class 27.
Somis Lemon Association, Oxnard, Calif. Fresh citrus fruits. Serial No. 503,609; Dec. 24. Class 46.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf clubs. Serial No. 508,621; Dec. 24. Class 22.
Standard Brass & Manufacturing Company, Port Arthur, Tex. Rough castings and semi-finished castings of nonferous metal. Serial No. 489,152; Dec. 24. Class 14.
Stangel, J. J., Hardware Company, Manitowoc, Wis. Toy scooters, toy tricycles, toy velocipedes, etc. Serial No. 504,711; Dec. 24. Class 22.

Sunrise Produce Co., San Francisco, Calif. Fresh vegetables. Serial No. 502,472; Dec. 24. Class 46.
T-A-G Brokerage & Warehouse Company, Atlanta, Ga. Small row, sail, and motor boats. Serial No. 501,213; Dec. 24. Class 19.
Temple, Philip R., doing business as Aloha Flower Co., Milford, Mass. Fresh cut flowers. Serial No. 509,545; Dec. 24. Class 1.
Tissue Products Co., The, New York, N. Y. Mentholated facial tissue. Serial No. 494,585; Dec. 24. Class 6.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Oil, liquid and fuel measuring and dispensing pumps and parts thereof, etc. Serial No. 470,428; Dec. 24. Class 26.
Tork Clock Company, Inc., The, Mount Vernon, N. Y. Electrically operated thermostatic control mechanism. Serial No. 494,470; Dec. 24. Class 26.
TruVal Manufacturers, Inc., New York, N. Y. Negligee shirts and sportshirts. Serial No. 503,483; Dec. 24. Class 39.
TruVal Manufacturers, Inc., New York, N. Y. Sportswear. Serial No. 503,484; Dec. 24. Class 39.
TruVal Manufacturers, Inc., New York, N. Y. Pajamas. Serial No. 503,485; Dec. 24. Class 39.
United Chromium, Incorporated, New York, N. Y. Cleaning compositions. Serial No. 499,089; Dec. 24. Class 4.
U. S. Fiber & Plastics Corp., Stirling, N. J. Toy bean bags. Serial No. 510,134; Dec. 24. Class. 22.
U. S. Fiber & Plastics Corp., Stirling, N. J. Bags made of plastic sheeting. Serial No. 510,137; Dec. 24. Class 2.
United States Rubber Company, New York, N. Y. Thread and yarn. Serial No. 496,410; Dec. 24. Class 43.
Unity Products Co., New York, N. Y. Slide fasteners and zippers. Serial No. 502,356; Dec. 24. Class 13.
Upjohn Company, The, Kalamazoo, Mich. Antibiotics from actinomycetes. Serial No. 511,306; Dec. 24. Class 6.
V & O Press Company, Incorporated, The, Hudson, N. Y. Power presses, bench presses, punching presses, etc. Serial Nos. 501,219–20; Dec. 24. Class 23.
Vitamins & Pharmaceuticals, Inc., Dover, Del. Double salt of calcium ascorbate acetylsalicylate. Serial No. 496,181; Dec. 24. Class 6.
Westall, Evelyn, doing busines as Parfums Felice Co., New York, N. Y. Perfume and toilet water. Serial No. 497,759; Dec. 24. Class 6.
Westall, Evelyn, doing business as Evelyn Westall Co., New York, N. Y. Perfume, toilet water, and cologne. Serial No. 500,337; Dec. 24. Class 6.
Westall, Evelyn Co.: *See*—
Westall, Evelyn.
Wheary Incorporated, Racine, Wis. Hand luggage and trunks. Serial Nos. 494,153–4; Dec. 24. Class 3.
White & Sklar Inc., New York, N. Y. Women's and misses' dresses. Serial No. 504,141; Dec. 24. Class 39.
Wikstrom, Carl, doing business as P. Wikstrom Junior, Stockholm, Sweden. Hardboard (hard wallboard). Serial No. 484,813; Dec. 24. Class 12.
Wikstrom, P., Junior: *See*—
Wikstrom, Carl.
Williams Pharmaceuticals: *See*—
Silbert, Maurice W.
Winter and Company, New York, N. Y. Pianos. Serial No. 497,761; Dec. 24. Class 36.
World Products Corp., New York, N. Y. Preparation containing amino acids. Serial No. 500,506; Dec. 24. Class 6.
Wright & Glenn Company, Inc., New York, N. Y. Children's cosmetics. Serial No. 499,301; Dec. 24. Class 6.
Zanol Products Company: *See*—
American Products Company, The.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Product for use in the treatment of neurosis. 426,327; Dec. 24; Serial No. 493,306; published Sept. 24, 1946. Class 6.
Abbott Laboratories, North Chicago, Ill. Vitamin preparation. 426,328; Dec. 24; Serial No. 493,307; published Oct. 1, 1946. Class 6.
Abbott Laboratories, North Chicago, Ill. Sedative, analgesic, and antipyretic compounds. 426,351; Dec. 24; Serial No. 494,804; published Sept. 10, 1946. Class 6.
Abelson, Samuel, doing business under the name Dalason Products Mfg. Co., Chicago, Ill. Electric cigar and cigarette lighter. 426,462; Dec. 24; Serial No. 499,594; published Oct. 1, 1946. Class 21.
Abraham & Straus, Inc., New York, to Abraham & Straus, Inc., Brooklyn, N. Y. Men's and boys' clothing. 220,635; renewed Nov. 16, 1946. O. G. Dec. 24. Class 39.
Acme White Lead & Color Works: *See*—
Acme White Lead and Color Works.
Acme White Lead & Color Works, Detroit, Mich. Paints of all kinds, enamels, stains, and varnishes. 55,842; re-renewed Aug. 21, 1946. O. G. Dec. 24. Class 16.
Acme White Lead and Color Works, Hamtramck, to Acme White Lead & Color Works, Detroit, Mich. Certain named painters' materials. 216,074; renewed Aug. 3, 1946. O. G. Dec. 24. Class 16.
Agerstrand Corporation, Muskegon, Mich. Agricultural implement. 426,388; Dec. 24; Serial No. 496,682; published Sept. 24, 1946. Class 23.
Ainsworth, Clara A., Savannah, Ga. Photograph albums. 426,503; Dec. 24. Class 37.
Ainsworth, Wm., & Sons, Inc., Denver, Colo. Beam balances, parts and accessories of such balances, balance weights and pocket transits. 426,259–60; Dec. 24; Serial Nos. 486,021–2; published Oct. 1, 1946. Class 26.
Aircraft Mechanics Inc., Colorado Springs, Colo. Garden tractors and cultivators. 426,417; Dec. 24; Serial No. 497,832; published Oct. 1, 1946. Class 23.
Airkem, Inc., New York, N. Y. Preparations for freshening or deodorizing the air. 426,441; Dec. 24; Serial No. 498,573; published Oct. 8, 1946. Class 6.
Aitchison-Manufacturing Company, Albert Lea, Minn. Pliers, screw drivers, drill bits, etc. 426,250; Dec. 24; Serial No. 481,875; published Oct. 1, 1946. Class 23.
Allen-Sherman-Hoff Company, The, Philadelphia, Pa. Certain ash-handling apparatus. 220,292; renewed Nov. 9, 1946. O. G. Dec. 24. Class 34.
Allen-Sherman-Hoff Company, The, Philadelphia, Pa. Certain apparatus for use in conjunction with boiler furnaces and the like. 221,415; renewed Nov. 30, 1946. O. G. Dec. 24. Class 34.
Amaryllis Company, The, Fort Wayne, Ind. Permanent wave oil; hair creams; perfumes; etc. 426,498; Dec. 24. Class 6.
American Chewing Products Corp., Newark, N. J. Chewing gum. 426,514; Dec. 24. Class 46.
American Crayon Company, The, Sandusky, Ohio. Liquid mordant. 426,241; Dec. 24; Serial No. 473,046; published Mar. 5, 1946. Class 6.
American Cyanamid Company, assignee: *See*—
Lederle Laboratories, Inc.
American Engineering Company, Philadelphia, Pa. Electric hoists, electric winches, electric windlasses, etc. 426,471; Dec. 24; Serial No. 499,984; published Oct. 8, 1946. Class 21.
American Mercury, Inc., The, New York, N. Y. Periodical publication. 215,436; renewed July 20, 1946. O. G. Dec. 24. Class 38.
American Standards Association, New York, N. Y. Publications issued from time to time relating to engineering and industrial standards. 426,516; O. G. Dec. 24. Class 38.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton, and thread. 58,270–1; re-renewed Dec. 11, 1946. O. G. Dec. 24. Class 43.
American Thread Company, The, Jersey City, N. J., to the American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton, and thread. 58,573; re-renewed Dec. 18, 1946. O. G. Dec. 24. Class 43.
Anabolic Food Products, Inc., Glendale, Calif. Multi-vitamin perles. 426,381; Dec. 24; Serial No. 496,419; published Sept. 10, 1946. Class 6.
Anderson, Christian, doing business as Minneapolis Bottling Co., to Minneapolis Bottling Company, Minneapolis, Minn. Carbonated, nonalcoholic, noncereal, maltless beverages. 221,834; renewed Dec. 14, 1946. O. G. Dec. 24. Class 45.
Anderson, Ira H., Highland, Ohio. Food knives. 426,257; Dec. 24; Serial No. 485,522; published Oct. 1, 1946. Class 23.
Art-Craft Briar Pipe Co., Brooklyn, N. Y. Smoking pipes. 426,306; Dec. 24; Serial No. 491,620; published Oct. 1, 1946. Class 8.
Artistic Card Company, Elmira, N. Y. Greeting cards. 426,286; Dec. 24; Serial No. 489,708; published Oct. 8, 1946. Class 38.
Askit Limited, Glasgow, Scotland. Headache powders. 222,703; renewed Jan. 4, 1947. O. G. Dec. 24. Class 6.
Associated Products, Inc., Chicago, Ill. Face powder, face make-up, lipstick, etc. 426,256; Dec. 24; Serial No. 484,927; published Apr. 2, 1946. Class 6.
Associated Products, Inc., Chicago, Ill. Face powder, face makeup in liquid form, creams for the hands and face, etc. 426,437; Dec. 24; Serial No. 498,482; published Sept. 10, 1946. Class 6.
Associated Products, Inc., Chicago, Ill. Face powder, face makeup in liquid form, creams for the hands and face, etc. 426,438; Dec. 24; Serial No. 498,484; published Sept. 10, 1946. Class 6.
Astoria Products Company: *See*—
Mims, William J.

Atkinson, Theodore M., doing business as Economy Lubricating Company, Charlestown, Mass. Preparation for dissolving sludge in fuel oil. 426,506; Dec. 24. Class 6.

Aubry Fabrics Co.: *See*—
Austin, Rupert H.

Austin, Rupert H., doing business as Aubry Fabrics Co., New York, N. Y. Textile fabrics in the piece. 426,343; Dec. 24; Serial No. 494,591; published Oct. 1, 1946. Class 42.

Avon Products, Inc., New York, N. Y. Lipstick, rouge, and nail polish. 426,347; Dec. 24; Serial No. 494,773; published Oct. 1, 1946. Class 6.

Avon Products, Inc., New York, N. Y. Lipstick, rouge, and nail polish. 426,348; Dec. 24; Serial No. 494,778; published Oct. 1, 1946. Class 6.

Azusa Citrus Association, Azusa, Calif. Oranges, lemons, grapefruit. 222,348; renewed Dec. 28, 1946. O. G. Dec. 24. Class 46.

Babbitt, B. T., Inc.: *See*—
Hall, Eliza N.

Bannister, Edward A., doing business as Pyramid Orchards, Yakima, Wash. Fresh apples and fresh pears. 222,551; renewed Jan. 4, 1947; O. G. Dec. 24. Class 46.

Barnett, Ben G., doing business as Harben Manufacturing Company, Dallas, Tex. Collapsible canopy frame. 426,332; Dec. 24; Serial No. 493,530; published Oct. 1, 1946. Class 19.

Barone, Tony, doing business as Laboratory Products Company, Detroit, Mich. Medicines. 426,335; Dec. 24; Serial No. 494,006; published Oct. 8, 1946. Class 6.

Bass, Gottlieb, doing business as Sapo Elixir Chemical Company, St. Louis, Mo. Rubbing massage compound, hair oil, and brilliantine. 426,324; Dec. 24; Serial No. 492,888; published Sept. 10, 1946. Class 6.

Bee Chemical Company, Chicago, Ill. Corrosion preventative compositions. 426,291; Dec. 24; Serial No. 489,933; published Oct. 1, 1946. Class 6.

Bee Chemical Company, Chicago, Ill. Tool life increasing chemicals grinding chemicals, machining catalysts, etc. 426,302; Dec. 24; Serial No. 491,386; published Oct. 1, 1946. Class 6.

Bee Chemical Company, Chicago, Ill. Grinding chemicals, additives, and cutting chemicals. 426,303; Dec. 24; Serial No. 491,391; published Sept. 10, 1946. Class 6.

Beggs, C. W., Sons & Co., to Marcelle Cosmetics, Inc., Chicago, Ill. Brilliantine, cold cream, face powder, etc. 216,829; renewed Aug. 24, 1946. O. G. Dec. 24. Class 6.

Benet, Harry, doing business as Dara Products, Cincinnati, Ohio. Preparation for treating the scalp and hair. 426,238; Dec. 24; Serial No. 456,635; published Feb. 15, 1944. Class 6.

Bennett, M. J., & Co., New York, N. Y. Insecticide. 426,415; Dec. 24; Serial No. 497,770; published Sept. 10, 1946. Class 6.

Biggar & Biggar, Fort Myers, Fla. Fresh vegetables. 426,395; Dec. 24; Serial No. 497,010; published Oct. 8, 1946. Class 46.

Bird Electronic Corporation, The, Cleveland, Ohio. Electrical switches. 426,424; Dec. 24; Serial No. 497,990; published Oct. 8, 1946. Class 21.

Blondex Laboratories: *See*—
Guaranteed Products, Inc.

Bloomingdale Bros., Inc., New York, N. Y. Cough syrup. 426,338; Dec. 24; Serial No. 494,208; published Sept. 17, 1946. Class 6.

Bourke, Holland & Miller, Inc., New York, N. Y. Printed advertising material. 426,369; Dec. 24; Serial No. 495,536; published Oct. 1, 1946. Class 38.

Boyd, John Co., Lynn, Mass. Potato chips. 215,826; renewed July 27, 1946. O. G. Dec. 24. Class 46.

Boyle-Midway Inc., Jersey City, N. J. Hand sprayers. 426,459–60; Dec. 24; Serial Nos. 499,476–7; published Oct. 8, 1946. Class 23.

Brennan, Ruth M., Larchmont, N. Y. Stuffed dolls. 426,505; Dec. 24. Class 22.

Breuer Electric Mfg. Co., Chicago, Ill. Electric markers, and etchers. 426,445; Dec. 24; Serial No. 498,752; published Oct. 8, 1946. Class 21.

Breuer Electric Mfg. Co., Chicago, Ill. Electric dust collectors. 426,446; Dec. 24; Serial No. 498,753; published Oct. 8, 1946. Class 21.

Bristol Laboratories, Inc., Syracuse, N. Y. Pharmaceutical preparations. 426,378; Dec. 24; Serial No. 495,859; published Sept. 24, 1946. Class 6.

Bucklein Creations: *See*—
Bucklein, Frank P.

Bucklein, Frank P., doing business as Bucklein Creations, Los Angeles, Calif. Compacts made of plastic material. 426,501; Dec. 24. Class 38.

Burger Brewing Company, The: *See*—
Burger Bros. Company, The.

Burger Bros. Company, The, to The Burger Brewing Company, Cincinnati, Ohio. Malt extracts. 222,556; renewed Jan. 4, 1947. O. G. Dec. 24. Class 46.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Strophanthus tincture, bismuth subsalicylate with chlorobutanol in oil, etc. 426,394; Dec. 24; Serial No. 496,948; published Sept. 17, 1946. Class 6.

Caban, Alex, & Co., New York, N. Y. Cigars. 426,490; Dec. 24. Class 17.

Cady, M. R., Inc., Grand Rapids, Mich. Water softener. 426,508; Dec. 24. Class 6.

Campbell's Creek Coal Co., The, Cincinnati, Ohio, and Dana, W. Va., to The Campbell's Creek Coal Co., Cincinnati, Ohio. Coal. 222,440; renewed Jan. 4, 1947. O. G. Dec. 24. Class 1.

Carrel, Ltd., Chicago, Ill. Cosmetic preparations. 426,337; Dec. 24; Serial No. 494,177; published Sept. 10, 1946. Class 6.

Celotex Corporation, The, Chicago, Ill. Partition tiles. 426,475; Dec. 24; Serial No. 501,046; published Oct. 1, 1946. Class 12.

Cenicola, John M., Los Angeles, Calif. Ointments. 426,391; Dec. 24; Serial No. 496,765; published Sept. 10, 1946. Class 6.

Century Precision Works, Inc., New York, N. Y. Electric irons. 426,464; Dec. 24; Serial No. 499,764; published Oct. 1, 1946. Class 21.

Champion Stove Company, The, Cleveland, Ohio. Kitchen stoves, ranges, portable, space, and water heaters, etc. 426,379; Dec. 24; Serial No. 495,954; published Oct. 1, 1946. Class 34.

Chemical Coating Materials Company, Belleville, N. J. Finishing compositions comprising lacquer and resin-mixed emulsions. 426,356; Dec. 24; Serial No. 495,011; published Sept. 10, 1946. Class 6.

Chula Vista Citrus Association, The: *See*—
Chula Vista Citrus Association.

Chula Vista Citrus Association, to The Chula Vista Citrus Association, Chula Vista, Calif. Oranges, lemons, grapefruit. 222,209; renewed Dec. 28, 1946. O. G. Dec. 24. Class 46.

Cleveland, Clark, Inc., Binghamton, N. Y. Dental plate cleaner, in powder form. 426,357; Dec. 24; Serial No. 495,012; published Oct. 8, 1946. Class 4.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts, underwear, and handkerchiefs. 426,440; Dec. 24; Serial No. 498,501; published Oct. 1, 1946. Class 39.

Coeur Dame Laboratories: *See*—
Klein, Franz.

Cohen, Theodore I., Kansas City, Mo. Books, magazines, and periodicals. 426,373; Dec. 24; Serial No. 495,792; published Oct. 1, 1946. Class 38.

Cohn, Leon, doing business as Parfumerie Forest, Paris, France, to Leon Cohn. Soaps. 221,595; renewed Dec. 7, 1946. O. G. Dec. 24. Class 4.

Cole Chemical Company, St. Louis, Mo. Liniment. 426,246; Dec. 24; Serial No. 479,662; published June 5, 1945. Class 6.

Colgate & Co., New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 58,702; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 4.

Colgate-Palmolive-Peet Company: *See*—
Colgate & Co.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Methyl ester of cocoanut oil fatty acids. 426,334; Dec. 24; Serial No. 493,659; published Sept. 10, 1946. Class 6.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Household cleanser. 426,370–1; Dec. 24; Serial Nos. 495,588–9; published Oct. 8, 1946. Class 4.

Commander-Larabee Milling Company: *See*—
Commander Mill Company.
Larabee Flour Mills Corporation, The.
Minneapolis Milling Company.
Sheffield Mill & Elevator Company.

Commander Mill Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 219,375; renewed Oct. 19, 1946. O. G. Dec. 24. Class 46.

Commander Mill Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 219,537; renewed Oct. 19, 1946. O. G. Dec. 24. Class 46.

Commander Mill Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 220,437; renewed Nov. 9, 1946. O. G. Dec. 24. Class 46.

Commander Mill Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 220,520; renewed Nov. 9, 1946. O. G. Dec. 24. Class 46.

Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, lipstick, etc. 426,323; Dec. 24; Serial No. 492,824; published Oct. 1, 1946. Class 6.

Consolidated Cosmetics, Chicago, Ill. Perfume, hand lotion, liquid brilliantine, and hair tonic. 426,389; Dec. 24; Serial No. 496,688; published Sept. 24, 1946. Class 6.

Constitution Tobacco Products Corp., New York, N. Y. Cigarettes. 426,456; Dec. 24; Serial No. 499,319; published Oct. 8, 1946. Class 17.

Continental Coffee Company, Chicago, Ill. Pudding mix. 426,515; Dec. 24. Class 46.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery. 59,322; re-renewed Jan. 8, 1947; O. G. Dec. 24. Class 39.

Co-Operative Enterprise Glass Company, The, Corydon, Ind. Glass lamp chimneys and lamp globes. 222,470; renewed Jan. 4, 1947; O. G. Dec. 24. Class 34.

Coryer, Albert E., Prairie du Chien, Wis. Liniment. 426,432; Dec. 24; Serial No. 498,209; published Sept. 17, 1946. Class 6.

Cosmetic Arts Laboratories: *See*—
Grossman, Eve R.

Coulter, L. B., Salisbury, N. C. Hair tonic, brilliantine, after-shave lotion, and shampoo. 426,274; Dec. 24; Serial No. 488,687; published Sept. 10, 1946. Class 6.

Crescent Belt Fastener Company, Inc.: *See*—
Eaton, Clara S.

Cudahy Packing Company, The, Chicago, Ill., and South Omaha, Nebr., to The Cudahy Packing Company, Chicago, Ill. Cured, smoked, and canned meats. 58,916; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 46.

Cuesta, Rey & Company, Tampa, Fla. Cigars. 221,637; renewed Dec. 7, 1946. O. G. Dec. 24. Class 17.

Curcio, V. J., Co.: *See*—
Curcio, Vincent J.

Curcio, Vincent J., doing business as V. J. Curcio Co., Jersey City, N. J. Hair tonics. 222,915; renewed Jan. 11, 1947. O. G. Dec. 24. Class 6.

Dalason Products Mfg. Co.: *See*—
Abelson, Samuel.

Dalglish, J. M., and Company, St. Paul, Minn. Hardware. 426,284; Dec. 24; Serial No. 489,569; published Oct. 1, 1946. Class 23.

Dara Products: *See*—
Benet, Harry.

Darling, Ruth, Lab.: *See*—
Weissberg, Ruth.

Daumit, Kay, assignor to Kay Daumit, Inc., Chicago, Ill. Cologne. 426,318; Dec. 24; Serial No. 492,688; published Sept. 17, 1946. Class 6.

Daumit, Kay, Inc., assignee: *See*—
Daumit, Kay.

Davis Fishing Tackle Co.: *See*—
Davis, Lester M.

Davis, George H., doing business as George H. Davis Company, Minneapolis, Minn. Greeting cards. 426,407–8; Dec. 24; Serial Nos. 497,464–5; published Oct. 1, 1946. Class 38.

Davis, George H., Company: *See*—
Davis, George H.

Davis, J. W., Company: *See*—
Davis, Joseph W.

Davis, Joseph W., doing business as J. W. Davis Company, Bloomington, Ill. Belt type conveying apparatus. 426,352; Dec. 24; Serial No. 494,821; published Oct. 8, 1946. Class 23.

Davis, Lester M., doing business as Davis Fishing Tackle Co., Tacoma, Wash. Trolling spoons. 426,518; Dec. 24. Class 22.

Deceleco, Inc., Detroit, to Unistrut Corporation, Wayne, Mich. Barriers for electric conductors and apparatus, slabs for partition walls and bus and switch cell structures, etc. 213,107; renewed May 18, 1946. O. G. Dec. 24. Class 21.

Dee-Lane Dolls, Kansas City, Mo. Stuffed toys. 426,495; Dec. 24. Class 22.

Dejur-Amsco Corporation, Long Island City, N. Y. Photographic enlargers and accessories therefor. 426,287; Dec. 24; Serial No. 489,718; published Sept. 24, 1946. Class 26.

De La Rue Stationers Limited: *See*—
De La Rue, Thomas, and Company, Limited.

De La Rue, Thomas, and Company, Limited, to De La Rue Stationers Limited, London, England. Fountain-pens and other writing pens except gold pens. 54,838; re-renewed July 31, 1946. O. G. Dec. 24. Class 37.

De Laval Separator Company, The, New York and Poughkeepsie, to The De Laval Separator Company, New York, N. Y. Centrifugal separators. 58,943; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 23.

De Laval Separator Company, The, New York, N. Y. Industrial centrifuges. 426,457; Dec. 24; Serial No. 499,320; published Sept. 24, 1946. Class 23.

Delaware Ribbon Manufacturers, Inc., Philadelphia, Pa. Ribbon. 426,344; Dec. 24; Serial No. 494,596; published Oct. 1, 1946. Class 42.

De Marbel (Société à Responsabilité Limitée), Neuilly sur Seine, France. Perfumes, toilet waters, rouge, etc. 426,449; Dec. 24; Serial No. 498,986; published Oct. 8, 1946. Class 6.

De Pree Company, The, Holland, Mich. Insecticide in powdered form. 426,273; Dec. 24; Serial No. 488,577; published Sept. 10, 1946. Class 6.

De Rose, Ernest A., New York, N. Y. Men's and women's slacks or trousers, shorts, etc. 426,472; Dec. 24; Serial No. 500,527; published Oct. 1, 1946. Class 39.

Detroit Harvester Company, Detroit, Mich. Electric motor driven fluid pumps and specifically hydraulic pumps, etc. 426,319; Dec. 24; Serial No. 492,692; published Oct. 1, 1946. Class 23.

Detroit White Lead Works, to Rogers Paint Products, Incorporated, Detroit, Mich. Paints, paint enamels, japans, etc. 215,989; renewed Aug. 3, 1946. O. G. Dec. 24. Class 16.

Dexterous Engineering Co., Inc., Chicago, Ill. Automotive stands of the steel horse type. 426,428; Dec. 24; Serial No. 498,123; published Sept. 24, 1946. Class 23.

Dictaphone Corporation, Bridgeport, Conn. Certain named electrical apparatus. 217,659; renewed Sept. 7, 1946. O. G. Dec. 24. Class 21.

Dictaphone Corporation, Bridgeport, Conn. Radio receiving sets and parts thereof. 217,880; renewed Sept. 14, 1946. O. G. Dec. 24. Class 21.

Dictaphone Corporation, Bridgeport, Conn. Radio receiving sets and parts thereof. 218,008; renewed Sept. 14, 1946. O. G. Dec. 24. Class 21.

Dictaphone Corporation, Bridgeport, Conn. Radio receiving sets and parts thereof. 218,371; renewed Sept. 28, 1946. O. G. Dec. 24. Class 21.

Dirtmaster Co., The: *See*—
Hess, Roy K.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. 426,296; Dec. 24; Serial No. 490,580; published Oct. 8, 1946. Class 37.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, etc. 426,329; Dec. 24; Serial No. 493,329; published Oct. 8, 1946. Class 37.

Dobbs & Co., New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Hats for men and women. 221,816; renewed Dec. 14, 1946. O. G. Dec. 24. Class 39.

Dohrmann Hotel Supply Co., San Francisco, Calif. Janitorial supplies. 426,266; Dec. 24; Serial No. 487,598; published Oct. 8, 1946. Class 4.

Duell, Edith B., Detroit, Mich. Cigarette cases. 426,421; Dec. 24; Serial No. 497,923; published Oct. 8, 1946. Class 8.

Duluth-Superior Milling Co., Duluth, Minn., to Standard Milling Company, Chicago, Ill. Wheat flour. 57,673; re-renewed Nov. 27, 1946. O. G. Dec. 24. Class 46.

Dunham, George W., Corporation, Utica, to Easy Washing Machine Corporation, Syracuse, N. Y. Laundry washing and drying machines and parts thereof. 218,892; renewed Oct. 5, 1946. O. G. Dec. 24. Class 24.

Dunlap & Company, New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Men's, boys', and women's hats and caps. 29,842; re-renewed Dec. 29, 1946. O. G. Dec. 24. Class 39.

Dunlap & Co., New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Parasols and umbrellas. 58,918; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 41.

Dunlop Pneumatic Tyre Company, Limited, London, England, to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tires and parts of such tires. 29,240; re-renewed Dec. 1, 1946. O. G. Dec. 24. Class 35.

Dunlop Tire and Rubber Corporation: *See*—
Dunlop Pneumatic Tyre Company, Limited.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyes and dyestuffs. 426,465; Dec. 24; Serial No. 499,772; published Sept. 10, 1946. Class 6.

Duray Mfg. Co., Inc., Boston, Mass. Brief cases, key cases, wallets, etc. 426,511; Dec. 24. Class 3.

Easy Washing Machine Corporation: *See*—
Dunham, George W., Corporation.

Eaton, Clara S., to Crescent Belt Fastener Company, Inc., New York, N. Y. Belt-fasteners. 55,496; re-renewed Aug. 14, 1946. O. G. Dec. 24. Class 13.

Eaton-Dikeman Company, The, Mount Holly Springs, Pa. Filter paper. 426,361; Dec. 24; Serial No. 495,279; published Oct. 8, 1946. Class 31.

Eaton Manufacturing Company, Cleveland, Ohio. Heat, wear, corrosion, and erosion resistant poppet valve mechanisms, facings, and parts thereof. 426,353; Dec. 24; Serial No. 494,826; published Oct. 8, 1946. Class 23.

Economy Lubricating Company: *See*—
Atkinson, Theodore M.

Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. 426,320; Dec. 24; Serial No. 492,695; published Oct. 1, 1946. Class 23.

Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. 426,321; Dec. 24; Serial No. 492,697; published Sept. 10, 1946. Class 23.

Electronic Specialty Co.: *See*—
Marcus, David A.

Elmo Sales Corporation, Philadelphia, Pa. Perfume, cologne, dusting powder, etc. 426,312; Dec. 24; Serial No. 492,619; published Sept. 17, 1946. Class 6.

Embosograf Corporation of America, New York, N. Y. Embossing-press supplies. 426,255; Dec. 24; Serial No. 484,674; published Oct. 1, 1946. Class 37.

Endo Products Inc., New York, N. Y. Hematinic. 426,278; Dec. 24; Serial No. 489,051; published Oct. 8, 1946. Class 6.

Epter, Lawrence A., & Associates, New York, N. Y. Periodical bulletin issued serially. 426,510; Dec. 24. Class 38.

Essick Manufacturing Company, Los Angeles, Calif. Concrete mixers. 426,289; Dec. 24; Serial No. 489,725; published Oct. 8, 1946. Class 23.

Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. 426,386; Dec. 24; Serial No. 496,551; published Oct. 1, 1946. Class 37.

Ewing, Ray, Company, The, South Pasadena, Calif. Vitamin and amino acid supplement. 426,486; Dec. 24. Class 6.

Falcon Packing Co., Inc., New York, N. Y. Stuffed olives. 219,859; renewed Oct. 26, 1946. O. G. Dec. 24. Class 46.

Fallenberg, R. B., Laboratory: *See*—
Fallenberg, Robert B.

Fallenberg, Robert B., doing business as R. B. F. Chemical Co. and also as R. B. Fallenberg Laboratory, Glendale, Calif. Veterinary remedy. 426,354; Dec. 24; Serial No. 494,829; published Sept. 10, 1946. Class 6.

Farm Minerals Company, Inc., The, Fishers, Ind. Supplement for feed for poultry, live stock, or other animals. 426,307; Dec. 24; Serial No. 497,085; published Oct. 8, 1946. Class 6.

Fillson, Dan, Fairbanks, Alaska. Pipes. 426,339; Dec. 24; Serial No. 494,397; published Oct. 1, 1946. Class 8.

Fisk Rubber Company, The, Chicopee Falls, Mass., to United States Rubber Company, New York, N. Y. Vehicle tires. 216,316; renewed Aug. 10, 1946. O. G. Dec. 24. Class 35.

Formax Company: *See*—
Murano, Carl G.

Franck, Heinr., Sons, Inc., Flushing, N. Y., to Heinr. Franck Sons, Inc., Port Huron, Mich. Chicory. 220,997; renewed Nov. 23, 1946. O. G. Dec. 24. Class 46.

Frederics, E., Inc., New York, to E. Frederics, Inc., Long Island City, N. Y. Steam pads. 216,819; renewed Aug. 24, 1946. O. G. Dec. 24. Class 44.

Gaines, M. Charles, New York, N. Y. Comic cartoon periodical. 426,499–500; Dec. 24. Class 38.

Gay Jr. Dresses, Inc., New York, N. Y. Dresses. 426,304; Dec. 24; Serial No. 491,407; published Oct. 1, 1946. Class 39.

Gemsco, Inc., assignee: *See*—
Lay & Borges.

Gemsco, Inc., New York, N. Y. Ladies' jewelry. 426,264; Dec. 24; Serial No. 487,359; published Feb. 12, 1946. Class 28.

General Aniline & Film Corporation, New York, N. Y. Chemicals and preparations and compounds thereof used in photographic processes. 426,267; Dec. 24; Serial No. 487,672; published Sept. 10, 1946. Class 6.

General Aniline & Film Corporation, New York, N. Y. Photographic cameras. 426,307; Dec. 24; Serial No. 491,640; published Oct. 8, 1946. Class 26.

General Ceramics and Steatite Corporation, Keasbey, N. J. Electrical apparatus in the nature of combinations of metals and ceramics. 426,249; Dec. 24; Serial No. 481,021; published Oct. 8, 1946. Class 21.

General Implement Corporation, Cleveland, Ohio. Corn shellers, disk harrows, and lime sowers. 426,294; Dec. 24; Serial No. 490,427; published Sept. 24, 1946. Class 23.

Ghirardelli, D., Co., San Francisco, Calif. Cocoa, chocolate, candy, and mustard. 222,157; renewed Dec. 21, 1946. O. G. Dec. 24. Class 46.

Girl Scouts, New York, N. Y. Iodine pen or carrier, absorbent and medicated cotton, bandages, etc. 215,253; renewed July 13, 1946. O. G. Dec. 24. Class 44.

Girl Scouts, New York, N. Y. Belt suspension hooks, and plates, pans, etc. 215,254; renewed July 13, 1946. O. G. Dec. 24. Class 13.

Girl Scouts, New York, N. Y. Axes, pocket knives, camp knives, etc. 215,255; renewed July 13, 1946. O. G. Dec. 24. Class 23.

Globe Laboratories, Fort Worth, Tex. Fluid suspension of a sulfa drug. 426,429; Dec. 24; Serial No. 498,135; published Aug. 6, 1946. Class 6.

Go Manufacturing Company, New York, N. Y. Men's underwear and shirts. 426,412; Dec. 24; Serial No. 497,602; published Oct. 1, 1946. Class 39.

Gojer Laboratories, Akron, Ohio. Detergents. 426,363; Dec. 24; Serial No. 495,374; published Oct. 8, 1946. Class 4.

Gonyea, Maude, Hazel Park, Mich. Hair restorer. 426,461; Dec. 24; Serial No. 499,548; published Oct. 8, 1946. Class 6.

Gougler, C. L., Keyless Lock Company, The, assignor to The C. L. Gougler Machine Company, Kent, Ohio. Locks. 426,385; Dec. 24; Serial No. 496,504; published Oct. 1, 1946. Class 25.

Gougler, C. L., Machine Company, The, assignee: *See*—
Gougler, C. L., Keyless Lock Company.

Gould, Geo. H., Company, Louisville, Ky. Medicated powder. 426,359; Dec. 24; Serial No. 495,231; published Sept. 10, 1946. Class 6.

Grand Union Company, The, New York, N. Y. Furniture polish and floor wax. 426,390; Dec. 24; Serial No. 496,698; published Sept. 24, 1946. Class 16.

Green Circle Products, Chicago, Ill. Liniment. 426,345; Dec. 24; Serial No. 494,673; published Sept. 10, 1946. Class 6.

Grossman, Eve R., doing business as Cosmetic Arts Laboratories, Upper Montclair, N. Y. Nail polish, nail oil, skin cream, etc. 426,340; Dec. 24; Serial No. 494,557; published Oct. 8, 1946. Class 6.

Guaranteed Products, Inc., doing business as Biondex Laboratories, to Swedish Shampoo Laboratories, New York, N. Y. Face powder and hair tonic. 221,901; renewed Dec. 14, 1946. O. G. Dec. 24. Class 6.

Halferty, G. P., & Co., Seattle, Wash. Canned salmon. 221,676; renewed Dec. 7, 1946. O. G. Dec. 24. Class 46.

Hall, Bert, doing business as Sturdy Toy Company, Sandusky, Ohio. Toy airplanes, airplane catapults, and airplane and catapult combinations. 426,485; Dec. 24. Class 22.

Hall, Eliza N., New York, to B. T. Babbitt, Inc., Albany, N. Y. Caustic potash or lye. 59,000; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 6.

Hall, Jay C., doing business as Rintzet Co., Huntington Park, Calif. Preparation for use in counteracting the odor of alcoholic breath. 426,309; Dec. 24; Serial No. 492,195; published Oct. 1, 1946. Class 6.

Hall, Storrs H., South Gate, Calif. Perfume. 426,439; Dec. 24; Serial No. 498,992; published Oct. 8, 1946. Class 6.

Harben Manufacturing Company: *See*—
Barnett, Ben G.

Hardesty Chemical Co., Inc., New York, N. Y. Aryl benzene. 426,372; Dec. 24; Serial No. 495,669; published Sept. 10, 1946. Class 6.

Harrower Laboratory, Inc., The, Wilmington, Del, and Glendale, Calif., to The Harrower Laboratory, Inc., Glendale, Calif. Medicinal solution. 218,284; renewed Sept. 21, 1946. O. G. Dec. 24. Class 6.

Hat Corporation of America: *See*—
Dobbs & Co.
Dunlap & Company.

Heineke & Company, Springfield, Ill. Lawn mowers. 426,450; Dec. 24; Serial No. 499,134; published Sept. 24, 1946. Class 23.

Henry, J. T., Manufacturing Co., The, Hamden, Conn. Pruning and lopping shears. 426,451; Dec. 24; Serial No. 499,135; published Sept. 24, 1946. Class 23.

Heribert, Herbert J., New York, N. Y. Plastic composition. 426,418; Dec. 24; Serial No. 497,860; published Oct. 8, 1946. Class 1.

Heribert, Herbert J., New York, N. Y. Solution to be used as a coating, finish or lacquer for textiles and for plastics. 426,419; Dec. 24; Serial No. 497,861; published Oct. 8, 1946. Class 6.

Hess, Roy K., doing business as The Dirtmaster Co., Chicago, Ill. General household detergent cleaning compound. 426,488; Dec. 24. Class 4.

Hester, George C., Glendale, doing business as Janet Hester, Hollywood, Calif. Perfumes. 426,430–1; Dec. 24; Serial Nos. 498,139–40; published Oct. 8, 1946. Class 6.

Hester, Janet: *See*—
Hester, George C.

Hetherington, Robert, & Son, Inc., Wilmington, Del. Electrical product booklet. 426,298; Dec. 24; Serial No. 490,885; published Oct. 1, 1946. Class 38.

Hickey-Freeman Company, Rochester, N. Y. Periodical publication. 222,110; renewed Dec. 21, 1946. O. G. Dec. 24. Class 38.

Hill, Robert H., Gary, Ind. Preparation for colds, coughs, asthma, etc. 426,491; Dec. 24. Class 6.

Hills Bros. Coffee, Inc., San Francisco, Calif. Coffee. 426,374–5; Dec. 24; Serial Nos. 495,800–1; published Oct. 8, 1946. Class 46.

Hoffmann-La Roche, F., & Co., Basle, Switzerland, to Hoffmann-La Roche Inc., Nutley, N. J. Antineuralgic and antirheumatic. 58,757; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 6.

Hoffmann-La Roche, F., & Co., Basle, Switzerland, to Hoffmann-La Roche Inc., Nutley, N. J. Liquid purified extract of ergot. 58,830; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 6.

Hoffmann-La Roche Inc.: *See*—
Hoffmann-La Roche, F., & Co.

Home Incinerator Company, to M. A. Naulin, Milwaukee, Wis. Incinerators. 219,786; renewed Oct. 26, 1946. O. G. Dec. 24. Class 34.

Hood Chemical Company, Inc., New York, N. Y. Household cleaner. 426,393; Dec. 24; Serial No. 496,911; published Sept. 24, 1946. Class 4.

House of Pine: *See*—
Siegel, Michael.

Hudnut, Richard: *See*—
Hudnut's, R., Pharmacy.

Hudnut's, R., Pharmacy, to Richard Hudnut, New York, N. Y. Tooth powder. 57,064; re-renewed Oct. 30, 1946. O. G. Dec. 24. Class 6.

Hunt Foods, Inc., San Francisco, Calif. Canned fruits and vegetables. 426,367; Dec. 24; Serial No. 495,475; published Oct. 8, 1946. Class 46.

Igelstroem, John, Company, The: *See*—
Igelstroem, John, Sign & Label Company.

Igelstroem, John, Sign & Label Company, St. Louis, Mo., to The John Igelstroem Company, Massillon, Ohio. Paper for signs and show-cards. 56,497; re-renewed Oct. 2, 1946. O. G. Dec. 24. Class 37.

Impression Products, assignor to Impression Products, Inc., Chicago, Ill. Hair color restorative. 426,482; Dec. 24. Class 6.

Impression Products, Inc., assignee: *See*—
Impression Products.

Industrial Tape Corporation, New Brunswick, N. J. Adhesive tapes. 426,300; Dec. 24; Serial No. 491,097; published Oct. 1, 1946. Class 21.

Interchemical Corporation: *See*—
Murphy Varnish Company.

International Textbook Company, Scranton, Pa. Educational books, pamphlets, periodicals, and circulars. 58,796; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 38.

Irresistible, Inc., New York, N. Y. Perfume. 426,308; Dec. 24; Serial No. 491,759; published Sept. 10, 1946. Class 6.

Jefferson Chemical Company, Inc., New York, N. Y. Ethylene oxide and ethylene glycol. 426,420; Dec. 24; Serial No. 497,864; published Oct. 8, 1946. Class 6.

Johnston, Robert A., Company, Milwaukee, Wis. Candy. 221,925; renewed Dec. 14, 1946. O. G. Dec. 24. Class 46.

Jordan Associates: *See*—
Jordan, Grace O.

Jordan, Grace O., doing business as Jordan Associates, Virginia Beach, Va. Publication which is a calendar of entertainment features at Virginia Beach. 426,497; Dec. 24. Class 38.

Kaktine Company, The, Glendale, Calif. Preparation having use as a mouth wash and throat gargle. 426,254; Dec. 24; Serial No. 484,407; published Oct. 8, 1946. Class 6.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Refrigerators. 215,824; renewed July 27, 1946. O. G. Dec. 24. Class 31.

Kaufmann Department Stores, Inc., Pittsburgh, Pa. Certain articles of clothing. 220,704; renewed Nov. 16, 1946. O. G. Dec. 24. Class 39.

Kaye, David, doing business as Kaye Laboratories. Vitaminic preparations. 426,349; Dec. 24; Serial No. 494,794; published Sept. 10, 1946. Class 6.

Kaye Laboratories: *See*—
Kaye, David.

Keen-Aire Research Laboratories: *See*—
Keenoy, F. P.

Keenoy, F. P., doing business as Keen-Aire Research Laboratories, Kansas City, Mo. Deodorizing material for closed spaces. 426,448; Dec. 24; Serial No. 498,905; published Oct. 8, 1946. Class 6.

Kemp and Lane, Inc., Leroy, N. Y. Preparation for indigestion, constipation, heartburn, etc. 426,453; Dec. 24; Serial No. 499,416; published Oct. 8, 1946. Class 6.

Kennedy, David E., Inc., Brooklyn, N. Y. Wax to preserve, protect, and polish asphalt tile, etc. 426,402; Dec. 24; Serial No. 497,251; published Oct. 8, 1946. Class 16.

Kennedy, Jerome D., doing business as United Chemical Company, Rutland, Vt. Insecticides. 426,442; Dec. 24; Serial No. 498,635; published Oct. 8, 1946. Class 6.

King Quality Products Co., Indianapolis, Ind. Automotive and aircraft engine parts. 426,265; Dec. 24; Serial No. 487,472; published Sept. 24, 1946. Class 23.

Klein, Franz, doing business as Coeur Dame Laboratories, Newark, N. J. Night skin cream, cold cram, cleansing cream, etc. 426,322; Dec. 24; Serial No. 492,713; published Sept. 24, 1946. Class 6.

Knox Company, The, Los Angeles, Calif. Preparation indicated in and for the care, comfort, hygiene, and treatment of the eyes. 426,382; Dec. 24; Serial No. 496,449; published Sept. 24, 1946. Class 6.

Koh-I-Noor Pencil Factory L. & C. Hardtmuth, Ceske Budejovice, Czechoslovakia. Screwing and pressing pencils, and fountain-pens. 426,422; Dec. 24; Serial No. 497,941; published Oct. 8, 1946. Class 37.

Kollmorgen Optical Corporation, Brooklyn, N. Y. Optical goods. 426,305; Dec. 24; Serial No. 491,578; published Oct. 8, 1946. Class 26.

Kotalko Sales Company: *See*—
Lafayette Drug Company, Inc.

Kraft Foods Company: *See*—
Luxury Mayonnaise Co.

Laboratory Products Company: *See*—
Barone, Tony.

Lafayette Drug Company, Inc., doing business as Kotalko Sales Company, Jersey City, N. J. Hair tonics and ointment. 426,452; Dec. 24; Serial No. 499,138; published Oct. 8, 1946. Class 6.

La France Industries, Philadelphia, Pa. Disinfectant and mildew and bacteria preventative. 426,362; Dec. 24; Serial No. 495,297; published Oct. 8, 1946. Class 6.

Lake Shore Engineering Company, Iron Mountain, Mich. Travelling crane apparatus of both the trolley and gantry types. 426,368; Dec. 24; Serial No. 495,481; published Oct. 1, 1946. Class 23.

Lakeside Laboratories, Inc., Milwaukee, Wis. Tablets and injectable solutions. 426,248; Dec. 24; Serial No. 480,330; published Feb. 5, 1946. Class 6.

Larabee Flour Mills Corporation, The, Kansas City, Mo., to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 220,102; renewed Nov. 2, 1946. O. G. Dec. 24. Class 46.

Lay & Borges, assignors to Gemsco, Inc., New York, N. Y. Imitation pearl necklaces, pearl bracelets, pins, etc. 426,350; Dec. 24; Serial No. 494,795; published June 18, 1946. Class 28.

Leacock Sporting Goods Company, Inc., St. Louis, Mo. Athletic goods. 426,480; Dec. 24. Class 22.

Lederle Laboratories, Inc., assignor to American Cyanamid Company, New York, N. Y. Sulfadiazine preparations. 426,282; Dec. 24; Serial No. 489,471; published Sept. 10, 1946. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet water and cosmetic cream. 426,466; Dec. 24; Serial No. 499,788; published Oct. 8, 1946. Class 6.

Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Medicated powders. 222,594; renewed Jan. 4, 1947. O. G. Dec. 24, 1946. Class 6.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 426,358; Dec. 24; Serial No. 495,053; published Oct. 8, 1946. Class 4.

Lilly, Eli, and Company, Indianapolis, Ind. Certain named medicine or pharmaceutical preparation. 221,989; renewed Dec. 21, 1946. O. G. Dec. 24. Class 6.

Lowe Brothers Company, The, to The Lowe Brothers Company, Dayton, Ohio. Liquid and paste paints. 56,989; re-renewed Oct. 30, 1946. O. G. Dec. 24. Class 16.

Lowe Brothers Company, The, to The Lowe Brothers Company, Dayton, Ohio. Paints. 57,893; re-renewed Dec. 4, 1946. O. G. Dec. 24. Class 16.

Lowe Brothers Company, The, to The Lowe Brothers Company, Dayton, Ohio. Lacquer. 216,078; renewed Aug. 3, 1946. O. G. Dec. 24. Class 16.

Loyless, Augustus S., doing business as Loyless Publishing Company, Atlanta, Ga. Monthly trade journal published for distribution and sale to the bottlers of carbonated beverages. 426,493; Dec. 24. Class 38.

Loyless Publishing Company: *See*—
Loyless, Augustus S.

Lucas, John, & Co., to John Lucas & Co., Philadelphia, Pa. Paint or coloring material. 58,240; re-renewed Dec. 11, 1946. O. G. Dec. 24. Class 16.

Lucas, John, & Co., to John Lucas & Co. Inc., Philadelphia, Pa. Paint and varnish removers. 58,241; re-renewed Dec. 11, 1946. O. G. Dec. 24. Class 16.

Lucas, John, & Co., to John Lucas & Company, Inc., Philadelphia, Pa. Enamel paints. 58,242; re-renewed Dec. 11, 1946. O. G. Dec. 24. Class 16.

Lucas, John, & Co. Inc.: *See*—
Lucas, John & Co.

Lucas, John, & Company, Inc.: *See*—
Lucas, John, & Co.

Lueders, George, & Co., New York, N. Y. Synthetic prime materials, liquid colors, and essential oils. 222,304; renewed Dec. 28, 1946. O. G. Dec. 24. Class 6.

Lu-Mont Manufacturing Co., Los Angeles, Calif. Liquid chemical composition. 426,262; Dec. 24; Serial No. 486,538; published Mar. 26, 1946. Class 6.

Luxury Mayonnaise Co., New York, N. Y., to Kraft Foods Company, Chicago, Ill. Mayonnaise. 221,084; renewed Nov. 23, 1946. O. G. Dec. 24. Class 46.

M System Mfg. Co., Vicksburg, Miss. House trailers. 426,253; Dec. 24; Serial No. 483,861; published Nov. 6, 1945. Class 19.

Maas & Waldstein Company, Newark, N. Y. Coating compositions. 426,270; Dec. 24; Serial No. 488,339; published Oct. 8, 1946. Class 16.

Mackenzie, Duncan, Company: *See*—
Mackenzie, Duncan R.

Mackenzie, Duncan R., doing business as Duncan Mackenzie Company, New York, N. Y. Compound for washing woolens. 426,393; Dec. 24; Serial No. 496,849; published Sept. 24, 1946. Class 4.

Marcelle Cosmetics, Inc.: *See*—
Beggs, C. W., Sons & Co.

Marcus, David A., doing business as Electronic Specialty Co., Los Angeles, Calif. Test meter for checking radio transmitters. 426,275; Dec. 24; Serial No. 488,700; published Oct. 1, 1946. Class 26.

Markwell Mfg. Co., Inc., New York, N. Y. Stapling machines. 426,341; Dec. 24; Serial No. 494,567; published Oct. 1, 1946. Class 23.

Marwin Dyestuff Corporation, Jersey City, N. J. Dyestuff. 426,313–17; Dec. 24; Serial Nos. 492,642–6; published Oct. 8, 1946. Class 6.

May, Jack, doing business as Sardeau, New York, N. Y. Perfume, lipsticks, rouge, etc. 426,251; Dec. 24; Serial No. 482,063; published Sept. 10, 1946. Class 6.

McCulloch, Fridley F., doing business as Motion Picture Equipment Company, Fort Wayne, Ind. Exposed and developed motion picture films. 426,484; Dec. 24. Class 26.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Sections of magazines. 426,468; Dec. 24; Serial No. 499,844; published Oct. 1, 1946. Class 38.

Meade, Esther S., Aurora, Ill. Loose leaf sheet music folios. 426,517; Dec. 24. Class 3.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Tablet for oral administration as an antacid. 426,310; Dec. 24; Serial No. 492,213; published Oct. 1, 1946. Class 6.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 59,130; re-renewed Jan. 1, 1947. O. G. Dec. 24. Class 38.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries and reference-manuals, etc. 59,187–8; re-renewed Jan. 1, 1947. O. G. Dec. 24. Class 38.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 59,189; re-renewal Jan. 1, 1947. O. G. Dec. 24. Class 38.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries and reference-manuals. 59,190; re-renewed Jan. 1, 1947. O. G. Dec. 24. Class 38.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries and reference manuals, etc. 59,191–2; re-renewed Jan. 1, 1947. O. G. Dec. 24. Class 38.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 59,193; re-renewed Jan. 1, 1947. O. G. Dec. 24. Class 38.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 59,224; re-renewed Jan. 1, 1947. O. G. Dec. 24. Class 38.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 59,473; re-renewed Jan. 8, 1947. O. G. Dec. 24. Class 38.

Midland Fabrics Company, assignor to Midland Fabrics Corporation, New York, N. Y. Piece goods. 426,276; Dec. 24; Serial No. 488,701; published Oct. 1, 1946. Class 42.

Midland Fabrics Corporation, assignee: *See*—
Midland Fabrics Company.

Miles Laboratories, Inc., Elkhart, Ind. Sedative in effervescent and/or liquid form. 426,333; Dec. 24; Serial No. 493,564; published Sept. 24, 1946. Class 6.

Milwaukee Lace Paper Company, Milwaukee, Wis. Paper napkins and paper tray covers. 426,398; Dec. 24; Serial No. 497,116; published Oct. 8, 1946. Class 37.

Mims, William J., doing business as Astoria Products Company, Birmingham, Ala. Liniments, skin lotions, healing oil, etc. 426,489; Dec. 24. Class 6.

Minneapolis Bottling Co.: *See*—
Anderson, Christian.

Minneapolis Bottling Company: *See*—
Anderson, Christian.

Minneapolis Milling Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 220,832; renewed Nov. 16, 1946. O. G. Dec. 24. Class 46.

Moers Mills Inc., Nashville, Tenn. Anklets or bobby socks and hosiery. 426,454; Dec. 24; Serial No. 499,342; published Oct. 1, 1946. Class 39.

Monsanto Chemical Company, St. Louis, Mo. Chemicals for use in making synthetic resins and plastics. 426,433; Dec. 24; Serial No. 498,241; published Oct. 8, 1946. Class 6.

Mook Brothers, New York, N. Y. Piece goods of cotton, of rayon, and of mixtures of cotton, rayon, and wool. 426,239; Dec. 24; Serial No. 466,946; published Oct. 8, 1946. Class 42.

Motion Picture Equipment Company: *See*—
McCulloch, Fridley F.

Murano, Carl G., doing business as Formax Company, New Haven, Conn. Medicated soap. 426,360; Dec. 24; Serial No. 495,252; published Sept. 17, 1946. Class 4.

Murphy Varnish Company, Newark, N. J., to Interchemical Corporation, New York, N. Y. Mixed paints. 58,765; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 16.

National Technical Laboratories, South Pasadena, Calif. Electric variable resistors and radio-type potentiometers. 246,293; Dec. 24; Serial No. 490,325; published Sept. 24, 1946. Class 21.

Naulin, M. Abner: *See*—
Home Incinerator Company.

New Process Service Company, San Francisco, Calif. Chemical solvent preparation. 426,285; Dec. 24; Serial No. 489,603; published Sept. 17, 1946. Class 6.

Niemann, William H., & Co., New York, N. Y. Flower seeds, grass seed, bulbs, etc. 426,326; Dec. 24; Serial No. 493,277; published Oct. 8, 1946. Class 1.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn., to Standard Milling Company, Chicago, Ill. Wheat flour. 56,463; re-renewed Sept. 25, 1946. O. G. Dec. 24. Class 46.

Notek Electric Company Limited, Kent, England. Electric lamps. 426,299; Dec. 24; Serial No. 491,041; published Sept. 24, 1946. Class 21.

Novelart Manufacturing Company, New York, N. Y. Greeting cards. 426,399; Dec. 24; Serial No. 497,118; published Oct. 1, 1946. Class 38.

Oldenburg, William J., New Orleans, La. Cures for corns, bunions, and warts. 58,109; re-renewed Dec. 4, 1946. O. G. Dec. 24. Class 6.

Owens-Corning Fiberglas Corporation, Toledo, Ohio. Filter cloths containing glass fibers. 426,481; Dec. 24. Class 31.

Parfumerie Forest: *See*—
Cohn, Leon.

Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, eau de colognes, etc. 426,413; Dec. 24; Serial No. 497,735; published Oct. 8, 1946. Class 6.

Parfums Schiaparelli, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. 426,405; Dec. 24; Serial No. 497,327; published Sept. 17, 1946. Class 6.

Patterson, Robert H., Atlanta, Ga. Cigars, cigarettes, smoking tobacco, etc. 426,387; Dec. 24; Serial No. 496,565; published Oct. 1, 1946. Class 17.

"Peau D'Or" Sales Corporation, Miami, Fla. Toilet preparations. 426,261; Dec. 24; Serial No. 486,500; published Sept. 10, 1946. Class 6.

Penn Maid Oil Company, Kane, to The Sloan and Zook Company, Bradford, Pa. Gasoline, kerosene, lubricating oils, etc. 218,678; renewed Sept. 8, 1946. O. G. Dec. 24, Class 15.

Peterman, William, Inc., Newark, N. J. Insecticide. 426,342; Dec. 24; Serial No. 494,573; published Oct. 8, 1946. Class 6.

Physicians & Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medicinal preparation. 426,281; Dec. 24; Serial No. 489,413; published Sept. 10, 1946. Class 6.

Pine Bros. Inc.: *See*—
Pine, John H.

Pine, John H., Ardmore and Philadelphia, to Pine Bros. Inc., Philadelphia, Pa. Tablets for colds, coughs, and bronchial affections. 58,987; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 6.

Pipe Line Service Corporation, Franklin Park, Ill. Travelling pipe coating and wrapping machine. 426,467; Dec. 24; Serial No. 499,799; published Oct. 1, 1946. Class 23.

Plant Products Corporation, Blue Point, N. Y. Weed killer. 426,409; Dec. 24; Serial No. 497,493; published Oct. 8, 1946. Class 6.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Fertilizers. 426,271; Dec. 24; Serial No. 488,418; published Oct. 8, 1946. Class 10.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Floor, furniture, and automobile waxes and polishes, paints sold in dry form, etc. 426,272; Dec. 24; Serial No. 488,421; published Oct. 8, 1946. Class 16.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Electric, gas, and mechanical refrigerators. 426,479; Dec. 24; Serial No. 504,695; published Oct. 8, 1946. Class 31.

Pondel Fabrics, Inc., Pawtucket, R. I. Fabrics in the piece. 426,396; Dec. 24; Serial No. 497,040; published Oct. 1, 1946. Class 42.

Poole, John, Ltd., New York, N. Y. Men's and women's suits, vests, coats. 426,513; Dec. 24. Class 39.

Premier Optical Products, Inc., New York, N. Y. Optical instruments. 426,330; Dec. 24; Serial No. 493,453; published Oct. 1, 1946. Class 23.

Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Oral penicillin. 426,376; Dec. 24; Serial No. 495,821; published Oct. 1, 1946. Class 6.

Press Publishing Company, to United Feature Syndicate, Inc., New York, N. Y. Title for a daily comic strip. 214,911; renewed July 6, 1946. O. G. Dec. 24. Class 38.

Pritzker, Charles M., New York, N. Y. Plastic cigarette container in the nature of cigarette cases. 426,406; Dec. 24; Serial No. 497,331; published Oct. 8, 1946. Class 8.

Professional Pharmacal Co., San Antonio, Tex. Preparation for the treatment of whooping-cough, etc. 426,258; Dec. 24; Serial No. 485,599; published Sept. 17, 1946. Class 6.

Protecto Products Co., Inc., Pomona, Calif. Paper toilet seat covers. 426,411; Dec. 24; Serial No. 497,566; published Oct. 8, 1946. Class 37.

Purdy, A. R., Company, Inc., New York, N. Y., to A. R. Purdy Company, Inc., Lyndhurst, N. J. Annealed cutter blanks, alloy steels, tool and drill steels, etc. 222,130; renewed Dec. 21, 1946. O. G. Dec. 24. Class 14.

Putman, Charles E., Seattle, Wash. Wooden shingles and shakes. 426,487; Dec. 24. Class 12.

Pyramid Orchards: *See*—
Bannister, Edward A.

R. B. F. Chemical Co.: *See*—
Fallenberg, Robert B.

Refined Products Company, Lyndhurst, N. J. Plasticized resin emulsion readily dispersible in warm water. 426,243; Dec. 24; Serial No. 475,462; published Mar. 5, 1946. Class 6.

Richelieu, Marie, Parfum Odesant, Inc., New York, N. Y. Toilet water. 426,331; Dec. 24; Serial No. 493,514; published Sept. 10, 1946. Class 6.

Rieber, Frank, doing business as Rieber Research Laboratory, New York N. Y. and elsewhere. Electrical oscillators and filters. 426,355; Dec. 24; Serial No. 494,924; published Oct. 1, 1946. Class 21.

Rieber Research Laboratory: *See*—
Rieber, Frank.

Rintzet Co.: *See*—
Hall, Jay C.

Rogers Paint Products, Incorporated: *See*—
Detroit White Lead Works.

Röhm & Haas Company, Philadelphia, Pa. Insecticides, fungicides, and disinfectants. 426,268; Dec. 24; Serial No. 487,864; published Oct. 8, 1946. Class 6.

Rosen, Jack, Sunnyside, L. I., N. Y. Raw fibers of cotton, wool and rayon and combinations thereof. 426,483; Dec. 24. Class 1.

Salem Products Corp., New York, N. Y. Shoulder pads. 426,507; Dec. 24. Class 40.

Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. 426,478; Dec. 24; Serial No. 503,944; published Sept. 10, 1946. Class 6.

Sapo Elixir Chemical Company: *See*—
Bass, Gottlieb.

Sardeau: *See*—
May, Jack.

Schicke, Lucill D., Flint, Mich. Cosmetics. 426,494; Dec. 24. Class 6.

Scott Paper Company: *See*—
Scott Paper Co.

Scott Paper Co., Philadelphia, Pa., to Scott Paper Company, Chester, Pa. Toilet paper. 59,234; re-renewed Jan. 1, 1947. O. G. Dec. 24. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Peat moss. 426,245; Dec. 24; Serial No. 479,529; published Oct. 1, 1946. Class 1.

Seeman Brothers, Inc., New York, N. Y. Quince jelly, currant jelly, grape jelly, etc. 221,648; renewed Dec. 7, 1946. O. G. Dec. 24. Class 46.

Seeman Brothers, Inc., New York, N. Y. Celery salt, mustard, pepper, etc. 222,312; renewed Dec. 28, 1946. O. G. Dec. 24. Class 46.

Sem-Pray Jo-Ve-Nay Company, Grand Rapids, Mich. Certain toilet preparations. 222,233; renewed Dec. 28, 1946. O. G. Dec. 24. Class 6.

Servel Corporation, Evansville, Ind., to Servel, Inc., New York, N. Y. Electric motors. 220,548; renewed Nov. 9, 1946. O. G. Dec. 24. Class 21.

Servel, Inc.: *See*—
Servel Corporation.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial and ear drop preparation. 426,346; Dec. 24; Serial No. 494,715; published Oct. 8, 1946. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin and mineral preparation. 426,434; Dec. 24; Serial No. 498,257; published Oct. 8, 1946. Class 6.

Sheffield Mill & Elevator Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 56,971; re-renewed Oct. 30, 1946. O. G. Dec. 24. Class 46.

Shenandoah Candy Co., Inc., Winchester, Va. Candy. 426,492; Dec. 24. Class 46.

Sherwin-Williams Company, The, Cleveland, Ohio. Mixed paints, painters' colors, stains, and oils. 55,511; re-renewed Aug. 14, 1946. O. G. Dec. 24. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Mixed paints and pigments, stains, and paint-oil. 56,422; re-renewed Sept. 25, 1946. O. G. Dec. 24. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Nitrocellulose lacquers and enamels, undercoatings, and thinners. 221,241; renewed Nov. 23, 1946. O. G. Dec. 24. Class 16.

Sherwood Brothers Incorporated, Baltimore, Md. Gasoline. 220,011; renewed Oct. 26, 1946. O. G. Dec. 24. Class 15.

Siegel, Michael, doing business as House of Pine, Roselle, N. J. After shave lotion. 426,280; Dec. 24; Serial No. 489,362; published Sept. 10, 1946. Class 6.

Signet Hosiery Company, Cambridge, Mass. Hosiery, women's and children's dresses, etc. 426,473; Dec. 24; Serial No. 500,906; published Oct. 1, 1946. Class 39.

Simon Mattress Manufacturing Co., San Francisco, Calif. Mattresses. 222,145; renewed Dec. 21, 1946. O. G. Dec. 24. Class 32.

Sloan and Zook Company, The: *See*—
Penn Maid Oil Company.

Societe A B G (Société Ariès, La Bougie B. G. et S. F. E. D. R. réunies), Paris, France. Machines for the grinding of gears and of plane surfaces, etc. 426,263; Dec. 24; Serial No. 487,156; published Oct. 1, 1946. Class 23.

Société à Responsabilité Limité: Carven, Paris, France. Perfumes. 426,364–6; Dec. 24; Serial Nos. 495,416–18; published Sept. 17, 1946. Class 6.

Société d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris and Asnieres, near Paris, France. Perfumes. 426,423; Dec. 24; Serial No. 497,981; published Sept. 10, 1946. Class 6.

Société de Publicité et d'Editions "La Qualite Francaise" (S. A. R. L.), Paris, France. Monthly publication. 426,292; Dec. 24; Serial No. 490,088; published Oct. 1, 1946. Class 38.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Porous inorganic material. 426,426; Dec. 24; Serial No. 498,092; published Oct. 8, 1946. Class 6.

Sparky Specialties, Inc., Chicago, Ill. Electrical coils, electrical switches, and condensers. 426,444; Dec. 24; Serial No. 498,727; published Oct. 8, 1946. Class 21.

Spiegl, E. H., doing business as Spiegl Foods Company, assignor to Spiegl Foods Company, Inc., Salinas, Calif. Frozen food products. 426,512; Dec. 24. Class 46.

Spiegl Foods Company: *See*—
Spiegl, E. H.

Spiegl Foods Company, Inc.: *See*—
Spiegl, E. H.

Sprayed Insulation, Inc., Montclair, N. J. Asbestos in a finely-divided form. 426,509; Dec. 24, Class 12.

Staber's for Beauty, Los Angeles, Calif. Wave cream, hair dressing, and oil hair dressing. 426,410; Dec. 24; Serial No. 497,504; published Oct. 8, 1946. Class 6.

Standard Blade Co., Inc., New York, N. Y. Razor blades. 426,470; Dec. 24; Serial No. 499,971; published Oct. 8, 1946. Class 23.

Standard Milling Company: *See*—
Duluth-Superior Milling Co.
Northwestern Consolidated Milling Company, The.

Stanley Home Products, Inc., Westfield, Mass. Deodorant. 426,252; Dec. 24; Serial No. 482,657; published Oct. 1, 1946. Class 6.

Stern, Arthur, New York, N. Y. Sandwiches. 426,240; Dec. 24; Serial No. 469,448; published Oct. 1, 1946. Class 46.

Stix, Baer & Fuller Co., St. Louis, Mo. Certain wearing apparel for young women or misses. 222,611; renewed Jan. 4, 1947. O. G. Dec. 24. Class 39.

Stor-Aid, Inc., New York, N. Y. Decorative edgings of plastic material for shelves. 426,295; Dec. 24; Serial No. 490,510; published Oct. 8, 1946. Class 13.

Strong, Carlisle & Hammond Company, Cleveland, Ohio. Valve and seat assemblies. 426,269; Dec. 24; Serial No. 488,172; published Oct. 1, 1946. Class 13.

Sturdy Toy Company: *See*—
Hall, Bert.

Sun Oil Company, Philadelphia, Pa. Rubber vulcanizing cement and cementitious vulcanizing gum. 426,380; Dec. 24; Serial No. 496,346; published Oct. 8, 1946. Class 5.

Surpass Leather Company, Philadelphia, Pa. Shoe and glove leather. 58,324; re-renewed Dec. 11, 1946. O. G. Dec. 24. Class 1.

Surpass Leather Company, Philadelphia, Pa. Shoe-leather. 58,848; re-renewed Dec. 25, 1946. O. G. Dec. 24. Class 1.

Swallow Airplane Company, Inc., Wichita, Kans. Door checks. 426,425; Dec. 24; Serial No. 498,037; published Oct. 8, 1946. Class 13.

Swedish Shampoo Laboratories: *See*—
Guaranteed Products, Inc.

Teasdale & Co. Limited, Carlisle, England. Medicated sweetmeats. 426,403; Dec. 24; Serial No. 497,278; published Oct. 8, 1946. Class 6.

Tekniska Aktiebolaget Flora, Gavle, Sweden. Safety razors and safety razor blades. 426,435; Dec. 24; Serial No. 498,324; published Oct. 1, 1946. Class 23.

Tennessee Eastman Corporation, Kingsport, Tenn. Chemical preparation. 426,301; Dec. 24; Serial No. 491,289; published Oct. 1, 1946. Class 6.

Textron Incorporated, Providence, R. I. Bedspreads, vanity table skirts, and textile bridge table covers. 426,458; Dec. 24; Serial No. 498,360; published Oct. 8, 1946. Class 42.

Theobald Industries, The, Kearny, N. J. Cat food. 426,414; Dec. 24; Serial No. 497,754; published Oct. 1, 1946. Class 46.

Tidewater Plywood Company, Brunswick, Ga. Laminated plywood lumber. 426,474; Dec. 24; Serial No. 501,028; published Oct. 1, 1946. Class 12.

Tiffany & Company, New York, N. Y. Metal ware for table use composed in whole or in part of gold or silver. 55,029; re-renewed Aug. 7, 1946. O. G. Dec. 24. Class 28.

Tiffany & Company, New York, N. Y. Watches and clocks. 56,105; re-renewed Aug. 21, 1946. O. G. Dec. 24. Class 27.

Trans-Lux News-Sign Corporation, New York, N. Y. Electrically lighted and operated travelling message signs. 426,383–4; Dec. 24; Serial Nos. 496,487–8; published Oct. 1, 1946. Class 21.

Trio Novelty Company, New York, N. Y. Ruchings. 426,377; Dec. 24; Serial No. 495,854; published Oct. 1, 1946. Class 42.

Triner, Joseph, Corporation, Chicago, Ill. Proprietary medicinal preparation. 426,476; Dec. 24; Serial No. 501,349; published Sept. 17, 1946. Class 6.

Ulmer Pharmacal Company: *See*—
Physicians & Hospitals Supply Company, Inc.

Unistrut Corporation: *See*—
Deceleco, Inc.

United Chemical Company: *See*—
Kennedy, Jerome D.

United Feature Syndicate, Inc.: *See*—
Press Publishing Company.

United States News Publishing Corporation, Washington, D. C. Section of periodical publications. 426,469; Dec. 24; Serial No. 499,872; published Oct. 1, 1946. Class 38.

U. S. Paint, Lacquer & Chemical Co., St. Louis, Mo. Ready-mixed paints. 426,325; Dec. 24; Serial No. 492,973; published Sept. 24, 1946. Class 16.

United States Playing Card Company, The: *See*—
United States Playing Card Co., The.

United States Playing Card Co., The, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 58,380; re-renewed Dec. 11, 1946. O. G. Dec. 24. Class 22.

United States Playing Card Co., to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 58,572; re-renewed Dec. 18, 1946. O. G. Dec. 24. Class 22.

United States Playing Card Co., The, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Playing-cards. 58,601; re-renewed Dec. 18, 1946. O. G. Dec. 24. Class 22.

United States Playing Card Co., The, to The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Game counters and chips. 58,602; re-renewed Dec. 18, 1946. O. G. Dec. 24. Class 22.

United States Rubber Company: *See*—
Fisk Rubber Company, The.

U. S. Vitamin Corporation, New York, N. Y. Vitamin-mineral supplement. 426,416; Dec. 24; Serial No. 497,827; published Sept. 17, 1946. Class 6.
Vaco Products Company, Chicago, Ill. Steel hand tools. 426,477; Dec. 24; Serial No. 502,776; published Sept. 24, 1946. Class 23.
Vanderhilt, R. T., Company, Inc., New York, N. Y. Whipping and emulsifying agent. 426,400; Dec. 24; Serial No. 497,148; published Oct. 8, 1946. Class 46.
Vanderhilt, R. T., Company, Inc., New York, N. Y. Whipping and emulsifying agent. 426,401; Dec. 24; Serial No. 497,150; published Oct. 8, 1946. Class 46.
Vascoloy-Ramet Corporation, North Chicago, Ill. Machine tools and parts of tools for working and cutting metal and other materials. 426,277; Dec. 24; Serial No. 488,717; published Sept. 24, 1946. Class 23.
Viragon Products, Kansas City, Mo. Electric lamps emitting ultraviolet rays. 426,447; Dec. 24; Serial No. 498,817; published Oct. 8, 1946. Class 21.
Vitamins & Pharmaceuticals, Inc., Dover, Del. Germicide. 426,404; Dec. 24; Serial No. 497,282; published Sept. 17, 1946. Class 6.
Waldman and Stein, Hammonton, N. J. Trousers. 426,290; Dec. 24; Serial No. 489,837; published Oct. 1, 1946. Class 39.
Walker, Thomas, & Son Limited, Birmingham, England. Ship-logs, ship-log lines for sounding and measuring, and lines for all kinds of nautical instruments. 56,058; re-renewed Aug. 21, 1946. O. G. Dec. 24. Class 26.
Walker, Thomas, & Son Limited, Birmingham, England. Ship-logs. 56,059; re-renewed Aug. 21, 1946. O. G. Dec. 24. Class 26.
Wallace Laboratories, Inc., New Brunswick, N. J. Preparation for use in the treatment of acne, etc. 426,283; Dec. 24; Serial No. 489,496; published Sept. 17, 1946. Class 6.
Wallau, George J., Inc., New York, N. Y. Mild hepatic stimulant. 426,336; Dec. 24; Serial No. 494,147; published Sept. 10, 1946. Class 6.
Ward Machine Company, Inc., Brockton, Mass. Safety razors, parts thereof, and razor blades. 426,455; Dec. 24; Serial No. 499,451; published Oct. 1, 1946. Class 23.
Weiner, Martin, New York, N. Y. Piece goods. 426,297; Dec. 24; Serial No. 490,867; published Oct. 8, 1946. Class 42.
Weissberg, Ruth, doing business as Ruth Darling Lab., Newark, N. J. Nail polish remover. 426,288; Dec. 24; Serial No. 490,045; published Oct. 1, 1946. Class 6.
Wheatley Mayonnaise Co., Inc., Louisville, Ky. Mayonnaise, sandwich spread, home style dill pickles, etc. 426,279; Dec. 24; Serial No. 489,243; published Oct. 1, 1946. Class 46.
Whiting Paper Company, Holyoke, Mass. Fine writing-paper. 59,176; re-renewed Jan. 1, 1947. O. G. Dec. 24. Class 37.
Whittall, J. & H., & Company: *See*— Whittall, James.
Whittall, J. & H., & Company Limited: *See*— Whittall, James.
Whittall, James, doing business as J. & H. Whittall & Company, to J. & H. Whittall & Company Limited, London, England. Tanning substances of vegetable origin. 219,583; renewed Oct. 19, 1946. O. G. Dec. 24. Class 6.
Wilkins, E. J., Company, Gloversville, N. Y. Leather coin holders. 426,504; Dec. 24. Class 3.
Winning-Peplow, Glendale, Calif. Compressed, medicinal tablets. 426,242; Dec. 24; Serial No. 475,289; published Sept. 10, 1946. Class 6.
Witco Chemical Company, Chicago, Ill. Hard wax-like substance. 426,247; Dec. 24; Serial No. 480,260; published Oct. 8, 1946. Class 6.
Wolfe, H., Lee, Company, Chicago, Ill. Soap. 426,502; Dec. 24. Class 4.
Wool Novelty Co., Inc., New York, N. Y. Plastic yarn. 426,496; Dec. 24. Class 43.
Wooldridge Manufacturing Company, Sunnyvale, Calif. Earth moving carrier scrapers. 426,427; Dec. 24; Serial No. 498,101; published Oct. 8, 1946. Class 23.
Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 426,436; Dec. 24; Serial No. 498,363; published Oct. 8, 1946. Class 42.
Wyeth Incorporated, Philadelphia, Pa. Lotion for the relief of skin irritations. 426,443; Dec. 24; Serial No. 498,674; published Sept. 10, 1946. Class 6.
Zenith Radio Corporation, Chicago, Ill. Electrical pick-up arms and parts and electrical sound pick-up units for talking machines. 426,463; Dec. 24; Serial No. 499,681; published Oct. 1, 1946. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Campbell's Creek Coal Co. 222,440; renewed Jan. 4, 1947. O. G. Dec. 24.
Leather, Shoe and glove. Surpass Leather Company. 58,324; re-renewed Dec. 11, 1946. O. G. Dec. 24.
Peat moss. Sears, Roebuck and Co. 426,245; Dec. 24; Serial No. 479,529; published Oct. 1, 1946.
Plastic composition. H. J. Heribert. 426,418; Dec. 24; Serial No. 497,860; published Oct. 8, 1946.
Raw fibers of cotton, wool, and rayon and combinations thereof. J. Rosen. 426,483; Dec. 24.
Seeds, grass seed, bulbs, etc., Flower. William H. Niemann & Co. 426,326; Dec. 24; Serial No. 493,277; published Oct. 8, 1946.
Shoe-leather. Surpass Leather Company. 58,848; re-renewed Dec. 25, 1946. O. G. Dec. 24.

CLASS 2

Compacts made of plastic material. F. P. Bucklein. 426,501; Dec. 24.

CLASS 3

Cases, key cases, wallets, etc., Brief. Duray Mfg. Co., Inc. 426,511; Dec. 24.
Coin holders, Leather. E. J. Wilkins Company. 426,504; Dec. 24.
Folios, Loose leaf sheet music. E. S. Meade. 426,517; Dec. 24.

CLASS 4

Cleaner, Household. Hood Chemical Company. 426,393; Dec. 24; Serial No. 496,911; published Sept. 24, 1946.
Cleaner in powder form, Dental plate. Clark Cleveland, Inc. 426,357; Dec. 24; Serial No. 495,012; published Oct. 8, 1946.
Cleanser, Household. Colgate-Palmolive-Peet Company. 426,370–1; Dec. 24; Serial Nos. 495,588–9; published Oct. 8, 1946.
Compound for washing woolens. D. R. Mackenzie. 426,392; Dec. 24; Serial No. 496,849; published Sept. 24, 1946.
Detergent cleaning compound, General household. R. K. Hess. 426,488; Dec. 24.
Detergents. Gojer Laboratories. 426,363; Dec. 24; Serial No. 495,374; published Oct. 8, 1946.
Soap. Colgate & Co. 58,702; re-renewed Dec. 25, 1946. O. G. Dec. 24.
Soap. H. Lee Wolfe Company. 426,502; Dec. 24.
Soap, Medicated. C. G. Murano. 426,360; Dec. 24; Serial No. 495,252; published Sept. 17, 1946.
Soaps. L. Cohn. 221,595; renewed Dec. 7, 1946. O. G. Dec. 24.
Soaps, Toilet. Les Parfums de Dana, Inc. 426,358; Dec. 24; Serial No. 495,053; published Oct. 8, 1946.
Supplies, Janitorial. Dohrmann Hotel Supply Co. 426,266; Dec. 24; Serial No. 487,598; published Oct. 8, 1946.

CLASS 5

Cement and cementitious vulcanizing gum, Rubber vulcanizing. Sun Oil Company. 426,380; Dec. 24; Serial No. 496,346; published Oct. 8, 1946.

CLASS 6

Acids, Methyl ester of cocoanut oil fatty. Colgate-Palmolive-Peet Company. 426,334; Dec. 24; Serial No. 493,659; published Sept. 10, 1946.
Antibacterial and ear drop preparation. Sharp & Dohme, Incorporated. 426,346; Dec. 24; Serial No. 494,715; published Oct. 8, 1946.
Antineuralgic and antirheumatic. F. Hoffmann-La Roche & Co. 58,757; re-renewed Dec. 25, 1946. O. G. Dec. 24.
Aryl benzene. Hardesty Chemical Co., Inc. 426,372; Dec. 24; Serial No. 495,669; published Sept. 10, 1946.
Brilliantine, cold cream, face powder, etc. C. W. Beggs, Sons & Co. 216,829; renewed Aug. 24, 1946. O. G. Dec. 24.
Chemical preparation. Tennessee Eastman Corporation. 426,301; Dec. 24; Serial No. 491,289; published Oct. 1, 1946.
Chemicals, additives, and cutting chemicals, Grinding. Bee Chemical Company. 426,303; Dec. 24; Serial No. 491,391; published Sept. 10, 1946.
Chemicals and preparations and compounds thereof used in photographic processes thereof. General Aniline & Film Corporation. 426,267; Dec. 24; Serial No. 487,672; published Sept. 10, 1946.
Chemicals for use in making synthetic resins and plastics. Monsanto Chemical Company. 426,433; Dec. 24; Serial No. 498,241; published Oct. 8, 1946.
Chemicals, grinding chemicals, machining catalysts, etc., Tool life increasing. Bee Chemical Company. 426,302; Dec. 24; Serial No. 491,386; published Oct. 1, 1946.
Cologne. K. Daumit. 426,318; Dec. 24; Serial No. 492,688; published Sept. 17, 1946.
Compositions comprising lacquer and resin-mixed emulsions, Finishing. Chemical Coating Materials Company. 426,356; Dec. 24; Serial No. 495,011; published Sept. 10, 1946.
Corrosion preventative compositions. Bee Chemical Company. 426,291; Dec. 24; Serial No. 489,933; published Oct. 1, 1946.

Cosmetic preparations. Carrel, Ltd. 426,337; Dec. 24; Serial No. 494,177; published Sept. 10, 1946.
Cosmetics. L. D. Schicke. 426,494; Dec. 24.
Cream, cold cream, cleansing cream, etc., Night skin. F. Klein. 426,322; Dec. 24; Serial No. 492,713; published Sept. 24, 1946.
Cream, hair dressing, and oil hair dressing, Wave. Staber's for Beauty. 426,410; Dec. 24; Serial No. 497,504; published Oct. 8, 1946.
Cures for corns, bunions, and warts. W. J. Oldenburg. 58,109; re-renewed Dec. 4, 1946. O. G. Dec. 24.
Deodorant. Stanley Home Products, Inc. 426,252; Dec. 24; Serial No. 482,657; published Oct. 1, 1946.
Deodorizing material for closed spaces. F. P. Keenoy. 426,448; Dec. 24; Serial No. 498,905; published Oct. 8, 1946.
Disinfectant and mildew and bacteria preventative. La France Industries. 426,362; Dec. 24; Serial No. 495,297; published Oct. 8, 1946.
Dyestuff. Marwin Dyestuff Corporation. 426,313–7; Dec. 24; Serial Nos. 492,642–6; published Oct. 8, 1946.
Dyes and dyestuffs. E. I. du Pont de Nemours and Company. 426,465; Dec. 24; Serial No. 499,772; published Sept. 10, 1946.
Ergot, Liquid purified extract of. F. Hoffmann-La Roche & Co. 58,830; re-renewed Dec. 25, 1946. O. G. Dec. 24.
Ethylene oxide and ethylene glycol. Jefferson Chemical Company, Inc. 426,420; Dec. 24; Serial No. 497,864; published Oct. 8, 1946.
Fluid suspension of a sulfa drug. Globe Laboratories. 426,429; Dec. 24; Serial No. 498,135; published Aug. 6, 1946.
Freshening or deodorizing the air, Preparation for. Airkem, Inc. 426,441; Dec. 24; Serial No. 498,573; published Oct. 8, 1946.
Germicides. Vitamins & Pharmaceuticals, Inc. 426,404; Dec. 24; Serial No. 497,282; published Sept. 17, 1946.
Hair color restorative. Impression Products. 426,482; Dec. 24.
Hair restorer. M. Gonyea. 426,461; Dec. 24; Serial No. 499,548; published Oct. 8, 1946.
Hair tonics. V. J. Curcio. 222,915; renewed Jan. 11, 1947. O. G. Dec. 24.
Hematinic. Endo Products Inc. 426,278; Dec. 24; Serial No. 489,051; published Oct. 8, 1946.
Inorganic material, Porous. Socony-Vacuum Oil Company, Incorporated. 426,426; Dec. 24; Serial No. 498,092; published Oct. 8, 1946.
Insecticide. M. J. Bennett & Co. 426,415; Dec. 24; Serial No. 497,770; published Sept. 10, 1946.
Insecticide. William Peterman, Inc. 426,342; Dec. 24; Serial No. 494,573; published Oct. 8, 1946.
Insecticide in powdered form. De Pree Company. 426,273; Dec. 24; Serial No. 488,577; published Sept. 10, 1946.
Insecticides. J. D. Kennedy. 426,442; Dec. 24; Serial No. 498,635; published Oct. 8, 1946.
Insecticides, Fungicides, and disinfectants. Röhm & Haas Company. 426,268; Dec. 24; Serial No. 487,864; published Oct. 8, 1946.
Liniment. Cole Chemical Company. 426,246; Dec. 24; Serial No. 479,662; published June 5, 1945.
Liniment. A. E. Coryer. 426,432; Dec. 24; Serial No. 498,209; published Sept. 17, 1946.
Liniment. Green Circle Products. 426,345; Dec. 24; Serial No. 494,673; published Sept. 10, 1946.
Liniments, skin lotions, healing oil, etc. W. J. Mims. 426,489; Dec. 24.
Lipstick, rouge, and nail polish. Avon Products, Inc. 426,347; Dec. 24; Serial No. 494,773; published Oct. 1, 1946.
Lipstick, rouge, and nail polish. Avon Products, Inc. 426,348; Dec. 24; Serial No. 494,778; published Oct. 1, 1946.
Liquid chemical composition. Lu-Mont Manufacturing Co. 426,262; Dec. 24; Serial No. 486,538; published Mar. 26, 1946.
Liquid mordant. American Crayon Company. 426,241; Dec. 24; Serial No. 473,046; published Mar. 5, 1946.
Lotion, After shave. M. Siegel. 426,280; Dec. 24; Serial No. 489,362; published Sept. 10, 1946.
Lotion for the relief of skin irritations. Wyeth Incorporated. 426,443; Dec. 24; Serial No. 498,674; published Sept. 10, 1946.
Massage compound, hair oil, and brilliantine, Rubbing. G. Bass. 426,324; Dec. 24; Serial No. 492,888; published Sept. 10, 1946.
Medicated powders. S. B. Leonardi & Co. Inc. 222,594; renewed Jan. 4, 1947. O. G. Dec. 24.
Medicated sweetmeats. Teasdale & Co: Limited. 426,403; Dec. 24; Serial No. 497,278; published Oct. 8, 1946.
Medicinal preparation. Physicians & Hospitals Supply Company, Inc. 426,281; Dec. 24; Serial No. 489,413; published Sept. 10, 1946.
Medicinal preparation. Sandoz Chemical Works, Inc. 426,478; Dec. 24; Serial No. 503,944; published Sept. 10, 1946.
Medicinal preparation, Proprietary. Joseph Triner Corporation. 426,476; Dec. 24; Serial No. 501,349; published Sept. 17, 1946.
Medicinal solution. Harrower Laboratory, Inc. 218,284; renewed Sept. 21, 1946. O. G. Dec. 24.
Medicine or pharmaceutical preparation, Certain named. Eli Lilly and Company. 221,989; renewed Dec. 21, 1946. O. G. Dec. 24.
Medicines. T. Barone. 426,335; Dec. 24; Serial No. 494,006; published Oct. 8, 1946.
Multi-vitamin perles. Anabolic Food Products, Inc. 426,381; Dec. 24; Serial No. 496,419; published Sept. 10, 1946.
Nail polish, nail oil, skin cream, etc. E. R. Grossman. 426,340; Dec. 24; Serial No. 494,557; published Oct. 8, 1946.
Nail polish remover. R. Weissberg. 426,288; Dec. 24; Serial No. 490,045; published Oct. 1, 1946.
Ointments. J. M. Cenicola. 426,391; Dec. 24; Serial No. 496,765; published Sept. 10, 1946.
Penicillin, Oral. Premo Pharmaceutical Laboratories, Inc. 426,376; Dec. 24; Serial No. 495,821; published Oct. 1, 1946.
Perfume. S. H. Hall. 426,439; Dec. 24; Serial No. 498,992; published Oct. 8, 1946.
Perfume, Irresistible, Inc. 426,308; Dec. 24; Serial No. 491,759; published Sept. 10, 1946.
Perfume, cologne, dusting powder, etc. Elmo Sales Corporation. 426,312; Dec. 24; Serial No. 492,619; published Sept. 17, 1946.
Perfume, cologne, lipstick, etc. Consolidated Cosmetics. 426,323; Dec. 24; Serial No. 492,824; published Oct. 1, 1946.
Perfume, hand lotion, liquid brilliantine, and hair tonic. Consolidated Cosmetics. 426,389; Dec. 24; Serial No. 496,688; published Sept. 24, 1946.
Perfume, lipsticks, rouge, etc. J. May. 426,251; Dec. 24; Serial No. 482,063; published Sept. 10, 1946.
Perfumes. G. C. Hester. 426,430–1; Dec. 24; Serial Nos. 498,139–40; published Oct. 8, 1946.
Perfumes. Société à Responsabilité Limité: Carven. 426,364–6; Dec. 24; Serial Nos. 495,416–18; published Sept. 17, 1946.
Perfumes. Societe d'Etudes et d'Expansion de la Parfumerie de Luxe. 426,423; Dec. 24; Serial No. 497,981; published Sept. 10, 1946.
Perfumes, colognes, toilet waters, etc. Parfums Schiaparelli, Inc. 426,405; Dec. 24; Serial No. 497,327; published Sept. 17, 1946.
Perfumes, toilet water and cosmetic cream. Lentheric Incorporated. 426,466; Dec. 24; Serial No. 499,788; published Oct. 8, 1946.
Perfumes, toilet waters, eau de colognes, etc. Parfums Charbert, Inc. 426,413; Dec. 24; Serial No. 497,735; published Oct. 8, 1946.
Perfumes, toilet waters, rouge, etc. De Marbel (Société à Responsabilité Limitée). 426,449; Dec. 24; Serial No. 498,986; published Oct. 8, 1946.
Pharmaceutical preparations. Bristol Laboratories, Inc. 426,378; Dec. 24; Serial No. 495,859; published Sept. 24, 1946.
Potash or lye, Caustic. E. N. Hall. 59,000; re-renewed Dec. 25, 1946. O. G. Dec. 24.
Powder and hair tonic, Face. Guaranteed Products, Inc. 221,901; renewed Dec. 14, 1946. O. G. Dec. 24.
Powder, face make-up in liquid form, creams for the hands and face, etc., Face. Associated Products, Inc. 426,437; Dec. 24; Serial No. 498,482; published Sept. 10, 1946.
Powder, face makeup in liquid form, creams for the hands and face, etc., Face. Associated Products, Inc. 426,438; Dec. 24; Serial No. 498,484; published Sept. 10, 1946.
Powder, face make-up, lipstick, etc., Face. Associated Products, Inc. 426,256; Dec. 24; Serial No. 484,927; published Apr. 2, 1946.
Powder, Medicated. Geo. H. Gould Company. 426,359; Dec. 24; Serial No. 495,231; published Sept. 10, 1946.
Powders, Headache. Askit Limited. 222,703; renewed Jan. 4, 1947. O. G. Dec. 24.
Preparation for colds, coughs, asthma, etc. R. H. Hill. 426,491; Dec. 24.
Preparation for dissolving sludge in fuel oil. T. M. Atkinson. 426,506; Dec. 24.
Preparation for indigestion, constipation, heartburn, etc. Kemp and Lane, Inc. 426,453; Dec. 24; Serial No. 499,416; published Oct. 8, 1946.
Preparation for the treatment of whooping-cough. Professional Pharmacal Co. 426,258; Dec. 24; Serial No. 485,599; published Sept. 17, 1946.
Preparation for treating the scalp and hair. H. Benet. 426,238; Dec. 24; Serial No. 456,635; published Feb. 15, 1944.
Preparation for use in counteracting the odor of alcoholic breath. J. C. Hall. 426,309; Dec. 24; Serial No. 492,195; published Oct. 1, 1946.
Preparation for use in the treatment of acne, etc. Wallace Laboratories, Inc. 426,283; Dec. 24; Serial No. 489,496; published Sept. 17, 1946.
Preparation having use as a mouth wash and throat gargle. Kaktine Company. 426,254; Dec. 24; Serial No. 484,407; published Oct. 8, 1946.
Preparation indicated in and for the care, comfort, hygiene, and treatment of the eyes. Knox Company. 426,382; Dec. 24; Serial No. 496,449; published Sept. 24, 1946.

Product for use in the treatment of neurosis. Abbott Laboratories. 426,327; Dec. 24; Serial No. 493,306; published Sept. 24, 1946.
Resin emulsion readily dispersible in warm water, Plasticized. Refined Products Company. 426,243; Dec. 24; Serial No. 475,462; published Mar. 5, 1946.
Sedative, analgesic, and antipyretic compound. Abbott Laboratories. 426,351; Dec. 24; Serial No. 494,804; published Sept. 10, 1946.
Sedative in effervescent and/or liquid form. Miles Laboratories, Inc. 426,333; Dec. 24; Serial No. 493,564; published Sept. 24, 1946.
Solution to be used as a coating, finish or lacquer for textiles and for plastics. H. J. Heribert. 426,419; Dec. 24; Serial No. 497,861; published Oct. 8, 1946.
Solvent preparation, Chemical. New Process Service Company. 426,285; Dec. 24; Serial No. 489,603; published Sept. 17, 1946.
Stimulant, Mild hepatic. George J. Wallau, Inc. 426,336; Dec. 24; Serial No. 494,147; published Sept. 10, 1946.
Strophanthus tincture, bismuth subsalicylate with chlorobutanol in oil, etc. Burroughs Wellcome & Co. (U. S. A.) Inc. 426,394; Dec. 24; Serial No. 496,948; published Sept. 17, 1946.
Sulfadiazine preparations. Lederle Laboratories, Inc. 486,282; Dec. 24; Serial No. 489,471; published Sept. 10, 1946.
Supplement for feed for poultry, live stock, or other animals. Farm Minerals Company, Inc. 426,397; Dec. 24; Serial No. 497,085; published Oct. 8, 1946.
Synthetic prime materials, liquid colors, and essential oils. George Lueders & Co. 222,304; renewed Dec. 28, 1946. O. G. Dec. 24.
Syrup, Cough. Bloomingdale Bros., Inc. 426,338; Dec. 24; Serial No. 494,208; published Sept. 17, 1946.
Tablet for oral administration as an antacid. Wm. S. Merrell Company. 426,310; Dec. 24; Serial No. 492,213; published Oct. 1, 1946.
Tablets and injectable solutions. Lakeside Laboratories, Inc. 426,248; Dec. 24; Serial No. 480,330; published Feb. 5, 1946.
Tablets, Compressed, medicinal. Winning-Peplow. 426,242; Dec. 24; Serial No. 475,289; published Sept. 10, 1946.
Tablets for colds, coughs, and bronchial affections. J. H. Pine. 58,987; re-renewed Dec. 25, 1946. O. G. Dec 24.
Tanning substances of vegetable origin. J. Whittall. 219,383; renewed Oct. 19, 1946. O. G. Dec. 24.
Toilet preparations. "Peau D'Or" Sales Corporation. 426,261; Dec. 24; Serial No. 486,500; published Sept. 10, 1946.
Toilet preparations, Certain. Sem-Pray Jo-Ve-Nay Company. 222,233; renewed Dec. 28, 1946. O. G. Dec. 24.
Toilet water. Marie Richelieu Parfum Odesant, Inc. 426,331; Dec. 24; Serial No. 493,514; published Sept. 10, 1946.
Tonic, brilliantine, after-shave lotion, and shampoo, Hair. L. B. Coulter. 426,274; Dec. 24; Serial No. 488,687; published Sept. 10, 1946.
Tonics and ointment, Hair. Lafayette Drug Company, Inc. 426,452; Dec. 24; Serial No. 499,138; published Oct. 8, 1946.
Tooth powder. R. Hudnut's Pharmacy. 57,064; re-renewed Oct. 30, 1946. O. G. Dec. 24.
Veterinary remedy. R. B. Fallenberg. 426,354; Dec. 24; Serial No. 494,829; published Sept. 10, 1946.
Vitamin and amino acid supplement. Ray Ewing Company. 426,486; Dec. 24.
Vitamin and mineral preparation. Sharp & Dohme, Incorporated. 426,434; Dec. 24; Serial No. 498,257; published Oct. 8, 1946.
Vitamin-mineral supplement. U. S. Vitamin Corporation. 426,416; Dec. 24; Serial No. 497,827; published Sept. 17, 1946.
Vitamin preparation. Abbott Laboratories. 426,328; Dec. 24; Serial No. 493,307; published Oct. 1, 1946.
Vitaminic preparations. D. Kaye. 426,349; Dec. 24; Serial No. 494,794; published Sept. 10, 1946.
Water softener. M. R. Cady, Inc. 426,508; Dec. 24.
Wave oil, hair creams, perfumes, etc., Permanent. Amaryllis Company. 426,498; Dec. 24.
Wax-like substance, Hard. Witco Chemical Company. 426,247; Dec. 24; Serial No. 480,260; published Oct. 8, 1946.
Weed killer. Plant Products Corporation. 426,409; Dec. 24; Serial No. 497,493; published Oct. 8, 1946.

CLASS 8

Cigarette cases. E. B. Duell. 426,421; Dec. 24; Serial No. 497,923; published Oct. 8, 1946.
Cigarette container in the nature of cigarette cases, Plastic. C. M. Pritzker. 426,406; Dec. 24; Serial No. 497,331; published Oct. 8, 1946.
Pipes. D. Fillson. 426,339; Dec. 24; Serial No. 494,397; published Oct. 1, 1946.
Pipes, Smoking. Art-Craft Briar Pipe Co. 426,306; Dec. 24; Serial No. 491,620; published Oct. 1, 1946.

CLASS 10

Fertilizers. Plymouth Wholesale Dry Goods Corporation. 426,271; Dec. 24; Serial No. 488,418; published Oct. 8, 1946.

CLASS 12

Asbestos in a finely-divided form. Sprayed Insulation, Inc. 426,509; Dec. 24.
Lumber, Laminated plywood. Tidewater Plywood Company, 426,474; Dec. 24; Serial No. 501,028; published Oct. 1, 1946.
Shingles and shakes, Wooden. C. E. Putman. 426,487; Dec. 24.
Tiles, Partition. Celotex Corporation. 426,475; Dec. 24; Serial No. 501,046; published Oct. 1, 1946.

CLASS 13

Belt-fasteners. C. S. Eaton. 55,496; re-renewed Aug. 14, 1946. O. G. Dec. 24.
Door checks. Swallow Airplane Company, Inc. 426,425; Dec. 24; Serial No. 498,037; published Oct. 8, 1946.
Hooks, plates, pans, etc., Belt suspension. Girl Scouts. 215,254; renewed July 13, 1946. O. G. Dec. 24.
Plastic material for shelves, Decorative edgings of, Stor-Aid, Inc. 426,295; Dec. 24; Serial No. 490,510; published Oct. 8, 1946.
Valve and seat assemblies. Strong, Carlisle & Hammond Company. 426,269; Dec. 24; Serial No. 488,172; published Oct. 1, 1946.

CLASS 14

Cutter blanks, alloy steels, tool and drill steels, etc., Annealed. A. R. Purdy Company, Inc. 222,130; renewed Dec. 21, 1946. O. G. Dec. 24.

CLASS 15

Gasoline. Sherwood Brothers Incorporated. 220,011; renewed Oct. 26, 1946. O. G. Dec. 24.
Gasoline, kerosene, lubricating oils, etc. Penn Maid Oil Company. 218,678; renewed Sept. 28, 1946. O. G. Dec. 24.

CLASS 16

Coating compositions. Maas & Waldstein Company. 426,270; Dec. 24; Serial No. 488,339; published Oct. 8, 1946.
Enamel paints. John Lucas & Co. 58,242; re-renewed Dec. 11, 1946. O. G. Dec. 24.
Lacquer. Lowe Brothers Company. 216,078; renewed Aug. 3, 1946. O. G. Dec. 24.
Lacquers and enamels, undercoatings, and thinners, Nitrocellulose. Sherwin-Williams Company. 221,241; renewed Nov. 23, 1946. O. G. Dec. 24.
Paint and varnish removers. John Lucas & Co. 58,241; re-renewed Dec. 11, 1946. O. G. Dec. 24.
Paint or coloring material. John Lucas & Co. 58,240; re-renewed Dec. 11, 1946. O. G. Dec. 24.
Painters' materials, Certain named. Acme White Lead and Color Works. 216,074; renewed Aug. 3, 1946. O. G. Dec. 24.
Paints. Lowe Brothers Company. 57,893; re-renewed Dec. 4, 1946. O. G. Dec. 24.
Paints and pigments, stains, and paint-oil, Mixed. Sherwin-Williams Company. 56,422; re-renewed Sept. 25, 1946. O. G. Dec. 24.
Paints, Liquid and paste. Lowe Brothers Company. 56,989; re-renewed Oct. 30, 1946. O. G. Dec. 24.
Paints, Mixed. Murphy Varnish Company. 58,765; re-renewed Dec. 25, 1946. O. G. Dec. 24.
Paints of all kinds, enamels, stains, and varnishes. Acme White Lead & Color Works. 55,842; re-renewed Aug. 21, 1946. O. G. Dec. 24.
Paints, paint enamels, japans, etc. Detroit White Lead Works. 215,989; renewed Aug. 3, 1946. O. G. Dec. 24.
Paints, painters' colors, stains, and oils, mixed. Sherwin-Williams Company. 55,511; re-renewed Aug. 14, 1946. O. G. Dec. 24.
Paints, Ready-mixed. U. S. Paint, Lacquer & Chemical Co. 426,325; Dec. 24; Serial No. 492,973; published Sept. 24, 1946.
Polish and floor wax, Furniture. Grand Union Company. 426,390; Dec. 24; Serial No. 496,698; published Sept. 24, 1946.
Wax to preserve, protect, and polish asphalt tile, etc. David E. Kennedy, Inc. 426,402; Dec. 24; Serial No. 497,251; published Oct. 8, 1946.
Waxes, and polishes; paints sold in dry form, etc., Floor, furniture and automobile. Plymouth Wholesale Dry Goods Corporation. 426,272; Dec. 24; Serial No. 488,421; published Oct. 8, 1946.

CLASS 17

Cigarettes. Constitution Tobacco Products Corp. 426,456; Dec. 24; Serial No. 499,319; published Oct. 8, 1946.
Cigars. Alex Caban & Co. 426,490; Dec. 24.
Cigars. Cuesta, Rey & Company. 221,637; renewed Dec. 7, 1946. O. G. Dec. 24.
Cigars, cigarettes, smoking tobacco, etc. R. H. Patterson. 426,387; Dec. 24; Serial No. 496,565; published Oct. 1, 1946.

CLASS 19

Canopy frame, Collapsible. B. G. Barnett. 426,332; Dec. 24; Serial No. 493,530; published Oct. 1, 1946.
Trailers, House. M System Mfg. Co. 426,253; Dec. 24; Serial No. 483,861; published Nov. 6, 1945.

CLASS 21

Barriers for electric conductors and apparatus, slabs for partition walls and bus and switch cell structures, etc. Deceleco, Inc. 213,107; renewed May 18, 1946. O. G. Dec. 24.
Coils, electrical switches, and condensers, Electrical. Sparky Specialties, Inc. 426,444; Dec. 24; Serial No. 498,727; published Oct. 8, 1946.
Electric cigar and cigarette lighter. S. Abelson. 426,462; Dec. 24; Serial No. 499,594; published Oct. 1, 1946.
Electric dust collectors. Breuer Electric Mfg. Co. 426,446; Dec. 24; Serial No. 498,753; published Oct. 8, 1946.
Electric hoists, electric winches, electric windlasses, etc. American Engineering Company. 426,471; Dec. 24; Serial No. 499,984; published Oct. 8, 1946.
Electric irons. Century Precision Works, Inc. 426,464; Dec. 24; Serial No. 499,764; published Oct. 1, 1946.
Electric lamps. Notek Electric Company Limited. 426,299; Dec. 24; Serial No. 491,041; published Sept. 24, 1946.
Electric lamps emitting ultraviolet rays. Viragon Products. 426,447; Dec. 24; Serial No. 498,817; published Oct. 8, 1946.
Electric markers and etchers. Breuer Electric Mfg. Co. 426,445; Dec. 24; Serial No. 498,752; published Oct. 8, 1946.
Electric motors. Servel Corporation. 220,548; renewed Nov. 9, 1946. O. G. Dec. 24.
Electrical apparatus, Certain named. Dictaphone Corporation. 217,659; renewed Sept. 7, 1946. O. G. Dec. 24.
Electrical apparatus in the nature of combinations of metals and ceramics. General Ceramics and Steatite Corporation. 426,249; Dec. 24; Serial No. 481,021; published Oct. 8, 1946.
Electrical switches. Bird Electronic Corporation. 426,424; Dec. 24; Serial No. 497,990; published Oct. 8, 1946.
Oscillators and filters, Electrical. F. Rieber. 426,355; Dec. 24; Serial No. 494,924; published Oct. 1, 1946.
Pick-up arms and parts and electrical sound pick-up units for talking machines, Electrical. Zenith Radio Corporation. 426,463; Dec. 24; Serial No. 499,681; published Oct. 1, 1946.
Radio receiving sets and parts thereof. Dictaphone Corporation. 217,880; renewed Sept. 14, 1946. O. G. Dec. 24.
Radio receiving sets and parts thereof. Dictaphone Corporation. 218,008; renewed Sept. 14, 1946. O. G. Dec. 24.
Radio receiving sets and parts thereof. Dictaphone Corporation. 218,371; renewed Sept. 28, 1946. O. G. Dec. 24.
Resistors and radio-type potentiometers, Electric variable. National Technical Laboratories. 246,293; Dec. 24; Serial No. 490,325; published Sept. 24, 1946.
Signs, Electrically lighted and operated travelling message. Trans-Lux News-Sign Corporation. 426,383–4; Dec. 24; Serial Nos. 496,487–8; published Oct. 1, 1946.
Tapes, Adhesive. Industrial Tape Corporation. 426,300; Dec. 24; Serial No. 491,097; published Oct. 1, 1946.

CLASS 22

Athletic goods. Leacock Sporting Goods Company, Inc. 426,480; Dec. 24.
Dolls, Stuffed. R. M. Brennan. 426,505; Dec. 24.
Game counters and chips. United States Playing Card Co. 58,602; re-renewed Dec. 18, 1946. O. G. Dec. 24.
Playing-cards. United States Playing Card Co. 58,380; re-renewed Dec. 11, 1946. O. G. Dec. 24.
Playing-cards. United States Playing Card Co. 58,572; re-renewed Dec. 18, 1946. O. G. Dec. 24.
Playing-cards. United States Playing Card Co. 58,601; re-renewed Dec. 18, 1946. O. G. Dec. 24.
Toy airplanes, airplane catapults, and airplane and catapult combinations. B. Hall. 426,485; Dec. 24.
Toys, Stuffed. Dee-Lane Dolls. 426,495; Dec. 24.
Trolling spoons. L. M. Davis. 426,518; Dec. 24.

CLASS 23

Agricultural implement. Agerstrand Corporation. 426,388; Dec. 24; Serial No. 496,682; published Sept. 24, 1946.
Axes, pocket knives, camp knives, etc. Girl Scouts. 215,255; renewed July 13, 1946. O. G. Dec. 24.
Blades, Razor. Standard Blade Co., Inc. 426,470; Dec. 24; Serial No. 499,971; published Oct. 8, 1946.
Centrifuges, Industrial. De Laval Separator Company. 426,427; Dec. 24; Serial No. 499,320; published Sept. 24, 1946.
Concrete mixers. Essick Manufacturing Company. 426,289; Dec. 24; Serial No. 489,725; published Oct. 8, 1946.
Conveying apparatus, Belt type. J. W. Davis. 426,352; Dec. 24; Serial No. 494,821; published Oct. 8, 1946.
Crane apparatus of both the trolley and gantry types, Travelling. Lake Shore Engineering Company. 426,368; Dec. 24; Serial No. 495,481; published Oct. 1, 1946.
Engine parts, Automotive and aircraft. King Quality Products Co. 426,265; Dec. 24; Serial No. 487,472; published Sept. 24, 1946.
Hardware. J. M. Dalgish and Company. 426,284; Dec. 24; Serial No. 489,569; published Oct. 1, 1946.
Knives, Food. I. H. Anderson. 426,257; Dec. 24; Serial No. 485,522; published Oct. 1, 1946.
Machines for the grinding of gears and of plane surfaces, etc. Societe A B G, (Société Ariège, La Bougie B. G. et S. F. E. D. R. réunies). 426,263; Dec. 24; Serial No. 487,156; published Oct. 1, 1946.
Mowers, Lawn. Heineke & Company. 426,450; Dec. 24; Serial No. 499,134; published Sept. 24, 1946.
Optical instruments. Premier Optical Products, Inc. 426,330; Dec. 24; Serial No. 493,453; published Oct. 1, 1946.
Pipe coating and wrapping machine, Travelling. Pipe Line Service Corporation. 426,467; Dec. 24; Serial No. 499,799; published Oct. 1, 1946.
Pliers, screw drivers, drill bits, etc. Aitchison Manufacturing Company. 426,250; Dec. 24; Serial No. 481,875; published Oct. 1, 1946.
Pumps and specifically hydraulic pumps, etc., Electric motor driven fluid. Detroit Harvester Company. 426,319; Dec. 24; Serial No. 492,692; published Oct. 1, 1946.
Razors and safety razor blades, Safety. Tekniska Aktiebolaget Flora. 426,435; Dec. 24; Serial No. 498,324; published Oct. 1, 1946.
Razors, parts thereof, and razor blades, Safety. Ward Machine Company, Inc. 426,455; Dec. 24; Serial No. 499,451; published Oct. 1, 1946.
Scrapers, Earth moving carrier. Wooldridge Manufacturing Company. 426,427; Dec. 24; Serial No. 498,101; published Oct. 8, 1946.
Separators, Centrifugal. De Laval Separator Company. 58,943; re-renewed Dec. 25, 1946. O. G. Dec. 24.
Shears, Pruning and lopping. J. T. Henry Manufacturing Co. 426,451; Dec. 24; Serial No. 499,135; published Sept. 24, 1946.
Shellers, disk harrows, and lime sowers, Corn. General Implement Corporation. 426,294; Dec. 24; Serial No. 490,427; published Sept. 24, 1946.
Sprayers, Hand. Boyle-Midway Inc. 426,459–60; Dec. 24; Serial Nos. 499,476–7; published Oct. 8, 1946.
Stands of the steel horse type, Automotive. Dexterous Engineering Co., Inc. 426,428; Dec. 24; Serial No. 498,123; published Sept. 24, 1946.
Stapling machines. Markwell Mfg. Co., Inc. 426,341; Dec. 24; Serial No. 494,567; published Oct. 1, 1946.
Tools and parts of tools for working and cutting metals and other materials, Machine. Vascoloy-Ramet Corporation. 426,277; Dec. 24; Serial No. 488,717; published Sept. 24, 1946.
Tools and utensils, Kitchen and household. Ekco Products Company. 426,320; Dec. 24; Serial No. 492,695; published Oct. 1, 1946.
Tools and utensils, Kitchen and household. Ekco Products Company. 426,321; Dec. 24; Serial No. 492,697; published Sept. 10, 1946.
Tools, Steel hand. Vaco Products Company. 426,477; Dec. 24; Serial No. 502,776; published Sept. 24, 1946.
Tractors and cultivators, Garden. Aircraft Mechanics Inc. 426,417; Dec. 24; Serial No. 497,832; published Oct. 1, 1946.
Valve mechanisms, facings, and parts thereof, Heat, wear, corrosion, and erosion resistant poppet. Eaton Manufacturing Company. 426,353; Dec. 24; Serial No. 494,826; published Oct. 8, 1946.

CLASS 24

Washing and drying machines and parts thereof, Laundry. George W. Dunham Corporation. 218,892; renewed Oct. 5, 1946. O. G. Dec. 24.

CLASS 25

Locks. The C. L. Gougler Keyless Lock Company. 426,385; Dec. 24; Serial No. 496,504; published Oct. 1, 1946.

CLASS 26

Balances, parts and accessories of such balances, balance weights and pocket transits, Beam. W. Ainsworth & Sons, Inc. 426,259–60; Dec. 24; Serial Nos. 486,021–2; published Oct. 1, 1946.
Cameras, Photographic. General Aniline & Film Corporation. 426,307; Dec. 24; Serial No. 491,640; published Oct. 8, 1946.
Meter for checking radio transmitters, Test. D. A. Marcus. 426,275; Dec. 24; Serial No. 488,700; published Oct. 1, 1946.
Motion picture films, Exposed and developed. F. F. McCulloch. 426,484; Dec. 24.
Optical goods. Kollmorgen Optical Corporation. 426,305; Dec. 24; Serial No. 491,578; published Oct. 8, 1946.
Photographic enlargers and accessories therefor. Dejur-Amsco Corporation. 426,287; Dec. 24; Serial No. 489,718; published Sept. 24, 1946.

Ship-logs. Thomas Walker & Son Limited. 56,059; re-renewed Aug. 21, 1946. O. G. Dec. 24.
Ship-logs, ship-log lines for sounding and measuring, and lines for all kinds of nautical instrumnts. Thomas Walker & Son Limited. 56,058; re-renewed Aug. 21, 1946. O. G. Dec. 24.

CLASS 27

Watches and clocks. Tiffany & Company. 56,105; re-renewed Aug. 21, 1946. O. G. Dec. 24.

CLASS 28

Jewelry, Ladies'. Gemsco, Inc. 426,264; Dec. 24; Serial No. 487,359; published Feb. 12, 1946.
Metal ware for table use composed in whole or in part of gold or silver. Tiffany & Company. 55,029; re-renewed Aug. 7, 1946. O. G. Dec. 24.
Necklaces, pearl bracelets, pins, etc., Imitation pearl. Lay & Borges. 426,350; Dec. 24; Serial No. 494,795; published June 18, 1946.

CLASS 31

Filter cloth containing glass fibers. Owens-Corning Fiberglas Corporation. 426,481; Dec. 24.
Filter paper. Eaton-Dikeman Company, The. 426,361; Dec. 24; Serial No. 495,279; published Oct. 8, 1946.
Refrigerators. Kaufmann Department Stores, Inc. 215,824; renewed July 27, 1946. O. G. Dec. 24.
Refrigerators, Electric, gas, and mechanical. Plymouth Wholesale Dry Goods Corporation. 426,479; Dec. 24; Serial No. 504,695; published Oct. 8, 1946.

CLASS 32

Mattresses. Simon Mattress Manufacturing Co. 222,145; renewed Dec. 21, 1946. O. G. Dec. 24.

CLASS 34

Ash-handling apparatus, Certain. Allen-Sherman-Hoff Company. 220,292; renewed Nov. 9, 1946. O. G. Dec. 24.
Certain apparatus for use in conjunction with boiler furnaces and the like. Allen-Sherman-Hoff Company. 221,415; renewed Nov. 30, 1946. O. G. Dec. 24.
Incinerators. Home Incinerator Company. 219,786; renewed Oct. 26, 1946. O. G. Dec. 24.
Lamp chimneys and lamp globes, Glass. Co-Operative Enterprise Glass Company. 22,470; renewed Jan. 4, 1947. O. G. Dec. 24.
Stoves, ranges, portable, space, and water heaters, etc., Kitchen. Champion Stove Company, The. 426,379; Dec. 24; Serial No. 495,954; published Oct. 1, 1946.

CLASS 35

Tires and parts of such tires. Dunlop Pneumatic Tyre Company, Limited. 29,240; re-renewed Dec. 1, 1946. O. G. Dec. 24.
Tires, Vehicle. Fisk Rubber Company. 216,316; renewed Aug. 10, 1946. O. G. Dec. 24.

CLASS 37

Albums, Photograph. C. A. Ainsworth. 426,503; Dec. 24.
Covers, Paper toilet seat. Protecto Products Co., Inc. 426,411; Dec. 24; Serial No. 497,566; published Oct. 8, 1946.
Embossing-press supplies. Embosograf Corporation of America. 426,255; Dec. 24; Serial No. 484,674; published Oct. 1, 1946.
Fountain-pens and other writing-pens except gold pens. Thomas De La Rue and Company Limited. 54,838; re-renewed July 31, 1946. O. G. Dec. 24.
Napkins and paper tray covers, Paper. Milwaukee Lace Paper Company. 426,398; Dec. 24; Serial No. 497,116; published Oct. 8, 1946.
Paper, box cover paper, cover papers, etc., Blotting. District of Columbia Paper Mills, Inc. 426,296; Dec. 24; Serial No. 490,580; published Oct. 8, 1946.
Paper, box cover paper, cover papers, etc., Blotting. District of Columbia Paper Mills, Inc. 426,329; Dec. 24; Serial No. 493,329; published Oct. 8, 1946.
Paper for signs and show-cards. Jonn Igelstroem Sign & Label Company. 56,497; re-renewed Oct. 2, 1946. O. G. Dec. 24.
Pencils, and fountain-pens, Screwing and pressing. Koh-I-Noor Pencil Factory L. & C. Hardtmuth. 426,422; Dec. 24; Serial No. 497,941; published Oct. 8, 1946.
Pens and mechanical pencils, Fountain. Eversharp, Inc. 426,386; Dec. 24; Serial No. 496,551; published Oct. 1, 1946.
Toilet-paper. Scott Paper Co. 59,234; re-renewed Jan., 1947; O. G. Dec. 24.
Writing-paper, Fine. Whiting Paper Company. 59,176; re-renewed Jan. 1, 1947. O. G. Dec. 24.

CLASS 38

Booklet, Electrical product. R. Hetherington & Son, Inc. 426,298; Dec. 24; Serial No. 490,885; published Oct. 1, 1946.
Books, magazines, and periodicals. T. I. Cohen. 426,373; Dec. 24; Serial No. 495,792; published Oct. 1, 1946.
Books, pamphlets, periodicals, and circulars, Educational. International Textbooks Company. 58,796; re-renewed Dec. 25, 1946. O. G. Dec. 24.
Cards, Greeting. Artistic Card Company. 426,286; Dec. 24; Serial No. 489,708; published Oct. 8, 1946.
Cards, Greeting. G. H. Davis. 426,407–8; Dec. 24; Serial Nos. 497,464–5; published Oct. 1, 1946.
Cards, Greeting. Novelart Manufacturing Company. 426,399; Dec. 24; Serial No. 497,118; published Oct. 1, 1946.
Dictionaries. G. & C. Merriam Company. 59,130; re-renewed Jan. 1, 1947. O. G. Dec. 24.
Dictionaries. G. & C. Merriam Company. 59,189; re-renewed Jan. 1, 1947. O. G. Dec. 24.
Dictionaries. G. & C. Merriam Company. 59,193; re-renewed Jan. 1, 1947. O. G. Dec. 24.
Dictionaries. G. & C. Merriam Company. 59,224; re-renewed Jan. 1, 1947. O. G. Dec. 24.
Dictionaries. G. & C. Merriam Company. 59,473; re-renewed Jan. 8, 1947. O. G. Dec. 24.
Dictionaries and reference-manuals, etc. G. & C. Merriam Company. 59,187–8; re-renewed Jan. 1, 1947. O. G. Dec. 24.
Dictionaries and reference-manuals. G. & C. Merriam Company. 59,190; re-renewed Jan. 1, 1947. O. G. Dec. 24.
Dictionaries and reference-manuals, etc. G. & C. Merriam Company. 59,191–2; re-renewed Jan. 1, 1947. O. G. Dec. 24.
Journal published for distribution and sale to the bottlers of carbonated beverages, Monthly trade. A. S. Loyless. 426,493; Dec. 24.
Magazines, Sections of. McGraw-Hill Publishing Company, Inc. 426,468; Dec. 24; Serial No. 499,844; published Oct. 1, 1946.
Periodical bulletin issued serially. Lawrence A. Epter & Associates. 426,510; Dec. 24.
Periodical, Comic cartoon. M. Charles Gaines. 426,499–500; Dec. 24.
Periodical publication. American Mercury. 215,436; renewed July 20, 1946. O. G. Dec. 24.
Periodical publication. Hickey-Freeman Company. 222,110; renewed Dec. 21, 1946. O. G. Dec. 24.
Periodical publications, Section of. United States News Publication Corporation. 426,469; Dec. 24; Serial No. 499,872; published Oct. 1, 1946.
Printed advertising material. Bourke, Holland & Miller, Inc. 426,369; Dec. 24; Serial No. 495,536; published Oct. 1, 1946.
Publication, Monthly. Société de Publicité et d'Editions "La Qualité Française" (S. A. R. L.) 426,292; Dec. 24; Serial No. 490,088; published Oct. 1, 1946.
Publication which is a calendar of entertainment features at Virginia Beach. G. O. Jordan. 426,497; Dec. 24.
Publications issued from time to time relating to engineering and industrial standards. American Standards Association. 426,516; Dec. 24.
Title for a daily comic strip. Press Publishing Company. 214,911; renewed July 6, 1946. O. G. Dec. 24.

CLASS 39

Clothing, Certain articles of. Kaufmann Department Stores, Inc. 220,704; renewed Nov. 16, 1946. O. G. Dec. 24.
Clothing, Men's and boys'. Abraham & Straus, Inc. 220,635; renewed Nov. 16, 1946. O. G. Dec. 24.
Dresses. Gay Jr. Dresses, Inc. 426,304; Dec. 24; Serial No. 491,407; published Oct. 1, 1946.
Hats and caps, Men's, boys', and women's. Dunlap & Company. 29,342; re-renewed Dec. 29, 1946. O. G. Dec. 24.
Hats for men and women. Dobbs & Co. 221,816; renewed Dec. 14, 1946. O. G. Dec. 24.
Hosiery. Cooper, Wells & Company. 59,322; re-renewed Jan. 8, 1947. O. G. Dec. 24.
Hosiery, women's and children's dresses, etc. Signet Hosiery Company. 426,473; Dec. 24; Serial No. 500,906; published Oct. 1, 1946.
Shirts, underwear, and handkerchiefs, Outer. Cluett, Peabody & Co., Inc. 426,440; Dec. 24; Serial No. 498,501; published Oct. 1, 1946.
Slacks or trousers, shorts, etc., Men's and women's. E. A. De Rose. 426,472; Dec. 24; Serial No. 500,527; published Oct. 1, 1946.
Socks and hosiery, Anklets or bobby. Moers Mills Inc. 426,454; Dec. 24; Serial No. 499,342; published Oct. 1, 1946.
Suits, vests, coats, etc., Men's and women's. John Poole Ltd. 426,513; Dec. 24.
Trousers. Waldman and Stein. 426,290; Dec. 24; Serial No. 489,837; published Oct. 1, 1946.
Underwear and shirts, Men's. Go Manufacturing Company. 426,412; Dec. 24; Serial No. 497,602; published Oct. 1, 1946.
Wearing apparel for young women or misses, Certain. Stix, Baer & Fuller Co. 222,611; renewed Jan. 4, 1947. O. G. Dec. 24.

CLASS 40

Pads, Shoulder. Salem Products Corp. 426,507; Dec. 24.

CLASS 41

Parasols and umbrellas. Dunlap & Co. 58,918; re-renewed Dec. 25, 1946. O. G. Dec. 24.

CLASS 42

Bedspreads, vanity table skirts, and textile bridge table covers. Textron Incorporated. 426,458; Dec. 24; Serial No. 498,360; published Oct. 8, 1946.
Fabrics in the piece. Pondel Fabrics, Inc. 426,396; Dec. 24; Serial No. 497,040; published Oct. 1, 1946.
Piece goods. Midland Fabrics Company. 426,276; Dec. 24; Serial No. 488,701; published Oct. 1, 1946.
Piece goods. M. Weiner. 426,297; Dec. 24; Serial No. 490,867; published Oct. 8, 1946.
Piece goods of cotton, of rayon, and of mixtures of cotton, rayon, and wool. Mook Brothers. 426,239; Dec. 24; Serial No. 466,946; published Oct. 8, 1946.
Ribbon. Delaware Ribbon Manufacturers, Inc. 426,344; Dec. 24; Serial No. 494,596; published Oct. 1, 1946.
Ruchings. Trio Novelty Company. 426,377; Dec. 24; Serial No. 495,854; published Oct. 1, 1946.
Textile fabrics in the piece. R. H. Austin. 426,343; Dec. 24; Serial No. 494,591; published Oct. 1, 1946.
Woolen goods in the piece. Worumbo Manufacturing Company. 426,436; Dec. 24; Serial No. 498,363; published Oct. 8, 1946.

CLASS 43

Spool-cotton, sewing-cotton, and thread. American Thread Company. 58,270–1; re-renewed Dec. 11, 1946. O. G. Dec. 24.
Spool-cotton, sewing-cotton, and thread. American Thread Company. 58,573; re-renewed Dec. 18, 1946. O. G. Dec. 24.
Yarn, Plastic. Wool Novelty Co., Inc. 426,496; Dec. 24.

CLASS 44

Iodine pen or carrier, absorbent and medicated cotton, bandages, etc. Girl Scouts. 215,253; renewed July 13, 1946. O. G. Dec. 24.
Steam pads. E. Frederics Inc. 216,819; renewed Aug. 24, 1946. O. G. Dec. 24.

CLASS 45

Beverages, Carbonated, nonalcoholic, noncereal, maltless. C. Anderson. 221,834; renewed Dec. 14, 1946. O. G. Dec. 24.

CLASS 46

Apples and fresh pears, Fresh. E. A. Bannister. 222,551; renewed Jan. 4, 1946. O. G. Dec. 24.
Candy. Robert A. Johnston Company. 221,925; renewed Dec. 14, 1946. O. G. Dec. 24.
Candy. Shenandoah Candy Co., Inc. 426,492; Dec. 24.
Canned fruits and vegetables. Hunt Foods, Inc. 426,367; Dec. 24; Serial No. 495,475; published Oct. 8, 1946.
Canned salmon. G. P. Halferty & Co. 221,676; renewed Dec. 7, 1946. O. G. Dec. 24.
Celery salt, mustard, pepper, etc. Seeman Brothers, Inc. 222,312; renewed Dec. 28, 1946. O. G. Dec. 24.
Chicory. Heinr. Franck Sons, Inc. 220,997; renewed Nov. 23, 1946. O. G. Dec. 24.
Cocoa, chocolate, candy, and mustard. D. Ghirardelli Co. 222,157; renewed Dec. 21, 1946. O. G. Dec. 24.
Coffee. Hills Bros. Coffee, Inc. 426,374–5; Dec. 24; Serial Nos. 495,800–1; published Oct. 8, 1946.
Flour, Wheat. Commander Mill Company. 219,375; renewed Oct. 19, 1946. O. G. Dec. 24.
Flour, Wheat. Commander Mill Company. 219,537; renewed Oct. 19, 1946. O. G. Dec. 24.
Flour, Wheat. Commander Mill Company. 220,437; renewed Nov. 9, 1946. O. G. Dec. 24.
Flour, Wheat. Commander Mill Company. 220,520; renewed Nov. 9, 1946. O. G. Dec. 24.
Flour, Wheat. Larabee Flour Mills Corporation. 220,102; renewed Nov. 2, 1946. O. G. Dec. 24.
Flour, Wheat. Minneapolis Milling Company. 220,832; renewed Nov. 16, 1946. O. G. Dec. 24.
Food, Cat. Theobald Industries, Inc. 426,414; Dec. 24; Serial No. 497,754; published Oct. 1, 1946.
Food products, Frozen. E. H. Spiegl. 426,512; Dec. 24.
Gum, Chewing. American Chewing Products Corp. 426,514; Dec. 24.
Jelly, currant jelly, grape jelly, etc., Quince. Seeman Brothers, Inc. 221,648; renewed Dec. 7, 1946. O. G. Dec. 24.
Malt extracts. Burger Bros. Company. 222,556; renewed Jan. 4, 1947. O. G. Dec. 24.
Mayonnaise. Luxury Mayonnaise Co. 221,084; renewed Nov. 23, 1946. O. G. Dec. 24.
Mayonnaise, sandwich spread, home style dill pickles, etc. Wheatley Mayonnaise Co., Inc. 426,279; Dec. 24; Serial No. 489,243; published Oct. 1, 1946.
Meats, Cured, smoked, and canned. Cudahy Packing Company. 58,916; re-renewed Dec. 25, 1946. O. G. Dec. 24.
Olives, Stuffed. Falcon Packing Co., Inc. 219,859; renewed Oct. 26, 1946. O. G. Dec. 24.
Oranges, lemons, grapefruit. Azusa Citrus Association. 222,348; renewed Dec. 28, 1946. O. G. Dec. 24.
Oranges, lemons, grapefruit. Chula Vista Citrus Association. 222,209; renewed Dec. 28, 1946. O. G. Dec. 24.
Potato chips. John Boyd Co. 215,826; renewed July 27, 1946. O. G. Dec. 24.
Pudding mix. Continental Coffee Company. 426,515; Dec. 24.
Sandwiches. A. Stern. 426,240; Dec. 24; Serial No. 469,448; published Oct. 1, 1946.
Vegetables, Fresh. Biggar & Biggar. 426,395; Dec. 24; Serial No. 497,010; published Oct. 8, 1946.
Wheat-flour. Duluth-Superior Milling Co. 57,673; re-renewed Nov. 27, 1946. O. G. Dec. 24.
Wheat-flour. Northwestern Consolidated Milling Company. 56,463; re-renewed Sept. 25, 1946. O. G. Dec. 24.
Wheat-flour. Sheffield Mill & Elevator Company. 56,971; re-renewed Oct. 30, 1946. O. G. Dec. 24.
Whipping and emulsifying agent. R. T. Vanderbilt Company, Inc. 426,400; Dec. 24; Serial No. 497,148; published Oct. 8, 1946.
Whipping and emulsifying agent. R. T. Vanderbilt Company, Inc. 426,401; Dec. 24; Serial No. 497,150; published Oct. 8, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adel Precision Products Corp., assignee: *See*—
Morehouse, Eugene M.

Colegrove, Charles E., Lakewood, Ohio, assignor to Sears, Roebuck and Company, Chicago, Ill. Sewing machine arm. Re. 22,822; Dec. 24.

Miller, William J., Frankstown Estates, Pa., and A. J. Reek, Jonesboro, Ind., assignors to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Method and apparatus for appendaging potteryware. Re. 22,823; Dec. 24.

Morehouse, Eugene M., Burbank, Calif., assignor to Adel Precision Products Corp. Supporting clip for conduits. Re. 22,824; Dec. 24.

Morgan, John S., Jr., Manhattan Beach, and D. A. Murphy, Torrance, Calif., assignors to The National Superior Company, Toledo, Ohio. Swivel. Re. 22,825; Dec. 24.

Murphy, Demery A.: *See*—
Morgan, John S., Jr., and Murphy.

National Superior Company, The, assignee: *See*—
Morgan, John S., Jr., and Murphy.

Reek, Ashley J.: *See*—
Miller, William J., and Reek.

Sears, Roebuck and Company, assignee: *See*—
Colegrove, Charles E.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.

Schell, Frank A., Cashmere, Wash., assignor to Stark Bro's. Nurseries and Orchards Company, Louisiana, Mo. Apple tree. 720; Dec. 24.

Stark Bro's. Nurseries and Orchards Company, assignee: *See*—
Schell, Frank A.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 719; Dec. 24.

LIST OF DESIGN PATENTEES

Art Metal Company, The, assignee: *See*—
Glatthar, George E., and Terr.

Bates, Richard W., Annapolis, Md., assignor to the 1948 A and B Classes of the United States Naval Academy. Class pin. 146,096; Dec. 24.

Bellin, Milton R., New York, N. Y. Candlestick. 146,097; Dec. 24.

Cartier, Inc., assignee: *See*—
Graeter, Harold.

Coro, Inc., assignee: *See*—
Katz, Adolph.

D'Anselme, Amédée, Paris, France, assignor to Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris, France. Flask. 146,098; Dec. 24.

Ditto, Incorporated, assignee: *See*—
Randell, Leo R.

Edwards, Charles E., Santa Paula, Calif. Turning signal. 146,099; Dec. 24.

Ellmore Silver Co., Inc., The, assignee: *See*—
Malinowski, Harry A.

Erdco Engineering Research & Development Company, assignee: *See*—
Morton, Nathan E.

Essick, Bryant, Los Angeles, Calif. Face plate for air conditioners. 146,100; Dec. 24.

Eureka Williams Corporation, assignee: *See*—
Walker, George W.

Faries Manufacturing Company, assignee: *See*—
Masterson, William F.

Gardner, Samuel A., Chicago, Ill. Clock. 146,101; Dec. 24.

Gardner, Samuel A., Chicago, Ill. Clock. 146,102; Dec. 24.

Glatthar, George E., University Heights, and J. Terr, Cleveland Heights, assignors to The Art Metal Company, Cleveland, Ohio. Ultraviolet sterilizer. 146,103; Dec. 24.

Graeter, Harold, Sherman, Conn., assignor to Cartier, Inc., New York, N. Y. Combined lapel pin and perfume container. 146,104; Dec. 24.

Hart, Roy R., San Jose, Calif. Game board. 146,105; Dec. 24.

Hinson, William H., Webster Groves, Mo. Shoe. 146,106; Dec. 24.

Hollander, Lewis H., New York, N. Y. Embroidered fabric. 146,107; Dec. 24.

Johnson, Leonard F., Arlington, Va. Combination letter opener and paperweight. 146,108; Dec. 24.

Jones, Edgar R., and L. T. Lanier, Miami, Fla.; said Lanier assignor to said Jones. Decalcomania sheet. 146,109; Dec. 24.

Jones, Edgar R., assignee: *See*—
Jones, Edgar R., and Lanier.

Julianelli, Charles A.: *See*—
Julianelli, Mabel and C. A.

Julianelli, Mabel and C. A., New York, N. Y. Shoe. 146,110; Dec. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 146,111; Dec. 24.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 146,112; Dec. 24.

Lanier, Lewis T.: *See*—
Jones, Edgar R., and Lanier.

Magro, Joseph, Rochester, N. Y. Game board. 146,114; Dec. 24.

Malinowski, Harry A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Bracelet or similar article. 146,115; Dec. 24.

Masterson, William F., assignor to Faries Manufacturing Company, Decatur, Ill. Lamp. 146,116; Dec. 24.

McGinnis, Dale J., Chicago, Ill. Lamp. 146,113; Dec. 24.

Merritt, Clark C., Red Bank, N. J. Tap knob. 146,117; Dec. 24.

Morton, Nathan E., New York, N. Y., assignor to Erdco Engineering Research & Development Company, Newark, N. J. Miniature bureau for jewelry. 146,118; Dec. 24.

Pawsat, Ewald F., Maysville, Ky. Bicycle steering post. 146,119; Dec. 24.

Polloway, Peter P., Forest Park, Ill. Arm attachment for a gauge. 146,120; Dec. 24.

Randell, Leo R., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 146,121; Dec. 24.

Ruddick, Philip, Chicago, Ill. Combined hair brush and comb rack. 146,122; Dec. 24.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, assignee: *See*—
D'Anselme, Amédée.

Terr, Joseph: *See*—
Glatthar, George E., and Terr.

Thompson, Sylvia F., Modesto, Calif. Slipper. 146,123; Dec. 24.

United States Naval Academy, 1948 A and B Classes of the, assignee: *See*—
Bates, Richard W.

Walker, George W., Pleasant Ridge, Mich., assignor to Eureka Williams Corporation. Vacuum cleaner casing. 146,124; Dec. 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackerman, Harold M., assignor of one-half to F. L. Cozad, Ontario, Oreg. Fluid brake. 2,413,162; Dec. 24.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Leviton, Abraham.
Agugliaro, Joseph J., assignee, et al.: *See*—
Tarapczynski, Sigmund.
Air Reduction Company, Incorporated, assignee: *See*—
Smith, Donald L.
Aitken, William J., Manitowoc, Wis. Snap action switch. 2,413,130; Dec. 24.
Albrecht, Edmund C., Richmond Heights, and G. Cerny, assignors to Pauly Jail Building Company, St. Louis, Mo. Selective actuating and indicating mechanism. 2,413,131; Dec. 24.
Allen, Edward A., Westfield, assignor to Van Norman Company, Springfield, Mass. Boring head. 2,412,937; Dec. 24.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Kelle, Arthur C.
Ambrose, Dermot M.: *See*—
Chatterjea, Prafulla K., Scully, and Ambrose.
American Can Company, assignee: *See*—
Kruse, Orlin O.
Murch, John H.
American Cyanamid Company, assignee: *See*—
Barnes, Robert B.
American Optical Company, assignee: *See*—
Robblee, Ide L.
Stewart, James A.
American Petroleum Institute, assignee: *See*—
Zobell, Claude E.
American Steel and Wire Company, The, assignee: *See*—
Bannerman, Gordon H., Curran, and Trout.
Brickman, Alan E.
Elder, Flint C., and Harris.
Liptak, John P.
American Turbotor Corporation, assignee: *See*—
Bejeuhr, Walter.
American Viscose Corporation, assignee: *See*—
Ebert, David M., and Hogeland.
Amoth, Verona P., Crosby, N. Dak. All purpose utility pencil case. 2,412,938; Dec. 24.
Anderson, Einar A., Minneapolis, Minn. Adjustable operating handle for steering wheels. 2,413,132; Dec. 24.
Aston, Earl F., South Charleston, W. Va. Core drill. 2,412,939; Dec. 24.
Atlantic Refining Company, The, assignee: *See*—
Taylor, Robert C.
Auerbach, Abraham, North Hollywood, Calif., assignor of one-third to S. Lebowitz, Washington, D. C. Mattress construction. 2,412,953; Dec. 24.
Avery, William H., Houston, Tex. Spectrometer prism mounting. 2,412,940; Dec. 24.
Aydelotte, John T., Glendale, Calif. Arch normalizer. 2,413,133; Dec. 24.
Bacon, Osborne C., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flameproof organic fibrous material and composition therefor. 2,413,163; Dec. 24.
Bacon, Walter M., New York, N. Y., and W. R. Young, Jr., Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph switching system. 2,412,955; Dec. 24.
Bailey Meter Company, assignee: *See*—
Harnes, Frederick A.
Baker, Thomas T., Pinner, assignor to Dacrematt Limited, London, England. Preparing photographic emulsion for transport. 2,413,207; Dec. 24.
Bannerman, Gordon H., Worcester, and J. M. Curran and G. H. Trout, Omaha, Nebr., assignors to American Steel and Wire Company of New Jersey. Applying a fitting to ropes. 2,412,941; Dec. 24.
Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Portable loading machine. 2,413,095; Dec. 24.
Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Portable loading machine. 2,413,096; Dec. 24.
Barker, Eugene, assignor to The Jaeger Machine Company, Columbus, Ohio. Portable loading machine. 2,413,097; Dec. 24.
Barker, George E., Pittsburgh, Pa., assignor to Elgin National Watch Company, Elgin, Ill. Lubricant containing alkyl piperidine salts. 2,412,956; Dec. 24.
Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Machine tool control. 2,412,957; Dec. 24.
Barnes, Robert B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Refractometer for chemical reactions. 2,413,208; Dec. 24.
Barrer, Richard M., Bingley, England. Manufacture of crystalline absorbents. 2,413,134; Dec. 24.
Barrows, Alford C.: *See*—
Langford, George W., and Barrows.
Barton, Clarence R.: *See*—
Epstein, Moses P., and Barton.
Bates, John R., Swarthmore, and H. A. Shabaker, Media, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Production of solid contact material. 2,412,958; Dec. 24.
Baumann, Harold C., Elizabeth, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Radio direction finder system. 2,412,959; Dec. 24.
Baumgardner, Earl J., Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,413,135; Dec. 24.
Bejeuhr, Walter, Bronx, assignor to American Turbotor Corporation, New York, N. Y. Rotary device for positive fluid action. 2,413,209; Dec. 244.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bacon, Walter M., and Young.
Cox, Francis A.
Mason, Warren P.
Potter, James A.
Schneckloth, Harry H.
Bender, Emil A.: *See*—
McCarthy, Robert E.
Bendix Aviation Corporation, assignee: *See*—
Goepfrich, George A.
Naegele, John C.
Pontius, George W. III, and Kuzmitz.
Pontius, George W. III, and Wilson.
Sheehan, William E.
Benner, Howard J., and A. M. Hadley, Longmeadow, assignors to The F. W. Sickles Company, Chicopee, Mass. Inductance core composition. 2,413,098; Dec. 24.
Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluid compositions containing copolymers of tetrafluoroethylene and ethylene. 2,412,960; Dec. 24.
Bersworth, Frederick C., Verona, N. J. Forming rubber amines. 2,412,942; Dec. 24.
Bersworth, Frederick C., Verona, N. J. Detergent composition for use in hard water. 2,412,943; Dec. 24.
Bersworth, Frederick C., Verona, N. J. Producing a detergent composition. 2,412,944; Dec. 24.
Bersworth, Frederick C., Verona, N. J. Detergent composition and preparing same. 2,412,945; Dec. 24.
Black and Decker Manufacturing Company, The, assignee: *See*—
Wilhide, Glenn C.
Blackman, Paul F., Los Nietos, Calif. Ship bumper. 2,413,210; Dec. 24.
Bloomfield, Samuel, Chicago, Ill. Can opener. 2,412,946; Dec. 24.
Boehnke, Hugo V.: *See*—
Wiken, Christy A., and Boehnke.
Boldt, David H.: *See*—
Boldt, James R. and D. H.
Boldt, James R. and D. H., Seattle, Wash. Cafeteria cart. 2,413,164; Dec. 24.
Bonkowski, Teofil L., Los Angeles, Calif. Shield for sanding drum slots. 2,413,165; Dec. 24.
Borg-Warner Corporation, assignee: *See*—
Swennes, Benjamin A., and Shelton.
Bowman, Reginald M., Baltimore, Md. Letter scale. 2,413,166; Dec. 24.
Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Aircraft attitude indicator. 2,412,961; Dec. 24.
Brant, Gilbert W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dry casting solution of cellulose acetate. 2,412,947; Dec. 24.
Brian, Joseph M., Westmount, Quebec, Canada, assignor to Radio Corporation of America, New York, N. Y. Remote control frequency selector system. 2,413,211; Dec. 24.
Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Detachable terminal fitting for stranded-wire structure. 2,412,948; Dec. 24.
Brock, Harold L.: *See*—
Tinsler, Vernon R., and Brock.

Brookhart, Theodore C., and D. A. Meeker, assignors to The Hobart Manufacturing Company, Troy, Ohio. Slicing machine. 2,412,962; Dec. 24.
Brown, Forrest L.: *See*—
Brown, Luther S., K. R., and F. L.
Brown Instrument Company, The, assignee: *See*—
Swanson, Arthur H.
Wills, Walter P.
Brown, Kenneth R.: *See*—
Brown, Luther S., K. R., and F. L.
Brown, Luther S., K. R., and F. L., assignors of fifty percent to Kyle and Company, Inc., Fresno, Calif. Rotary engine. 2,412,949; Dec. 24.
Brown, Wallace M., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Torsion rod spring suspension. 2,413,212; Dec. 24.
Bruner, Frank H.: *See*—
Hatch, George B., Pevere, Clarke, and Bruner.
Bucyrus-Erie Company, assignee: *See*—
Davidson, Trevor O.
Budd Company, The, assignee: *See*—
Dean, Albert G.
Budig, William: *See*—
Sommer, Kurt, Maca, Edwards, and Budig.
Bugley, James R., assignor of one-half to R. Hunter, Boston, Mass. Sandblast nozzle. 2,413,167; Dec. 24.
Bulatkin, Iliya F.: *See*—
Warth, Albin H., and Bulatkin.
Bullock, Nelson, Santa Ana, Calif. Tumbler washer. 2,412,950; Dec. 24.
Burger, Albert, Millvale, Pa. Positive oil feed pump by minute drop-like volumes. 2,413,136; Dec. 24.
Busignies, Henri G.: *See*—
Chevigny, Georges P., and Busignies.
Caffrey, Joseph L., Malden, Mass. Folding seat. 2,413,168; Dec. 24.
California Packing Corporation, assignee: *See*—
Russell, Clyde D.
Cardinal, William E., Cherry Lake, Fla. Electrode holder. 2,413,213; Dec. 24.
Carlson, Bert G., Gates Mills, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Automatic pilot directional turn indicator. 2,413,214; Dec. 24.
Carmo, John J., Billerica, Mass. Poultry feeder. 2,412,951; Dec. 24.
Carter, Joseph E., Huntington, and R. K. Gensler, Guyandotte, W. Va., assignors to International Nickel Company, Inc., New York, N. Y. Operating reduction-melting furnaces. 2,413,215; Dec. 24.
Case, Emerson E., Perry, N. Y. Knife sharpener. 2,413,169; Dec. 24.
Cerny, George: *See*—
Albrecht, Edmund C., and Cerny.
Chatterjea, Prafulla K., C. T. Scully, and D. M. Ambrose, assignors to Standard Telephones and Cables Limited, London, England. Arrangement for determining and monitoring the duration of electrical pulses. 2,412,963; Dec. 24.
Chatterjea, Prafulla K., and L. W. Houghton, assignors to Standard Telephones and Cables Limited, London, England. Secrecy communication system. 2,412,964; Dec. 24.
Chevigny, Georges P., Kew Gardens, and H. G. Busignies, Forest Hills, N. Y., assignors to International Standard Electric Corporation. Electrode structure. 2,412,965; Dec. 24.
Christiansen, Walter G., Glen Ridge, and S. E. Harris, Nutley, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Chemical compounds . 2,412,966; Dec. 24.
Church, Joseph H., Austin, Minn., and W. E. Thibodeau, Cleveland, Ohio. Petard missile. 2,412,967; Dec. 24.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Liquid stable at low temperatures. 2,413,170; Dec. 24.
Clarke, Louis A.: *See*—
Hatch, George B., Pevere, Clarke ,and Bruner.
Clifford, David G., and E. C. Okress, Montclair, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch. 2,413,171; Dec. 24.
Commercial Solvents Corporation, assignee: *See*—
O'Loughlin, Walter K.
Senkus, Murray.
Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Continuous strip wiping apparatus. 2,413,216; Dec. 24.
Continental Can Company, Inc.: *See*—
Larson, Ralph A.
Continental Machines, Inc., assignee: *See*—
Wilkie, James W., and Franklin.
Corey, Lorin A., Cleveland Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread-advancing reel. 2,413,217; Dec. 24.
Corning Glass Works, assignee: *See*—
De Voe, Charles F.
Hyde, James F.
Coroniti, Samuel C., Cambridge, Mass., assignor to General Aniline & Film Corporation, New York, N. Y. Photographic apparatus. 2,413,218; Dec. 24.
Cotchett, Louis M., Hingham, assignor to Saco-Lowell Shops, Boston, Mass. Thread board for spinning frames. 2,413,172; Dec. 24.
Cote, Romeo, Providence, R. I. Ship propulsion. 2,413,173; Dec. 24.
Cox, Francis A., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,412,968; Dec. 24.
Cox, Walter C., Denver, Colo. Antifriction drive wheel. 2,413,099; Dec. 24.
Cozad, Forrest L., assignee: *See*—
Ackerman, Harold M.
Crafts, Curtis S., and C. A. Harless, Oak Park, assignors to The Goss Printing Press Company, Chicago, Ill. Rotary printing press. 2,413,174; Dec. 24.
Cramer, Francis B., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning process. 2,412,969; Dec. 24.
Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Supercharged engine exhaust power system. 2,412,970; Dec. 24.
Crise Electric Manufacturing Company, assignee: *See*—
Crise, George W.
Crise, George W., assignor to Crise Electric Manufacturing Company, Columbus, Ohio. Thermostatic switch. 2,413,100; Dec. 24.
Crown Cork & Seal Company, Inc., assignee: *See*—
Warth, Albin H., and Bulatkin.
Curran, James M.: *See*—
Bannerman, Gordon H., Buran, and Trout.
Cutler-Hammer, Inc., assignee: *See*—
Reeves, James B.
Dacrematt Limited, assignee: *See*—
Baker, Thomas T.
D'Alelio, Gaetano F.: *See*—
Wilson, Frank E., Esselen, and D'Alelio.
D'Alelio, Gaetano F., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Manufacture of brush backs. 2,413,219; Dec. 24.
Daninos, Jean C.: *See*—
Mejean, Jacques G., and Daninos.
Daub, Rudolph, West Caldwell, N. J. Internal-combustion engine. 2,412,952; Dec. 24.
Davidson, Trevor O., Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Trail jack. 2,412,971; Dec. 24.
Davies, Gertrude D. M.: *See*—
Zerner, Ernst, Davies, and Pollak.
Dawley, Clarence E., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trigatron tube. 2,413,175; Dec. 24.
Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Repairing skin blankets. 2,412,972; Dec. 24.
Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Metal repair structure. 2,412,973; Dec. 24.
Deaton, Emsley T., Brownsboro, Ala. Milk bottle heater. 2,413,176; Dec. 24.
Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Mfg. Company, St. Louis, Mo. Control mechanism. 2,413,137; Dec. 24.
Deere & Company, assignee: *See*—
Thompson, Hjalmar C.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid meter. 2,413,034; Dec. 24.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid supply apparatus for burners. 2,413,035; Dec. 24.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid dispensing apparatus. 2,413,036; Dec. 24.
Delano, William R. P., Syosset, assignor to Gallowhur Chemical Corporation, New York, N. Y. Solar still with nonfogging window. 2,413,101; Dec. 24.
Deloraine, Edmond M., assignor to International Standard Electric Corporation, New York, N. Y. Electric wave communication system. 2,412,974; Dec. 24.
De Stefano B, Antonio, El Paso, Tex. Shoe cleat. 2,413,177; Dec. 24.
Detrick, M. H., Company, assignee: *See*—
Hosbein, Louis H.
De Voe, Charles F., assignor to Corning Glass Works, Corning, N. Y. Electric glass melting furnace. 2,413,037; Dec. 24.
Dinwiddie, Joseph G., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized acetaldehyde and method. 2,413,038; Dec. 24.
Douglas, H. A., Mfg. Co., assignee: *See*—
Baumgardner, Earl J.
Dresser, Willis R.: *See*—
Waller, Fred, and Dresser.
Drummond, Joseph E.: *See*—
Smith, Joseph E., and Drummond.
Dunnebeck, Robert E., assignor to The Parker Appliance Company, Cleveland, Ohio. Piston and cylinder assembly. 2,412,975; Dec. 24.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bacon, Osborne C.
Berry, Kenneth L.
Brant, Gilbert W.
Cramer, Francis B.
Dinwiddie, Joseph G.
Larchar, Arthur W.
Palmer, Fred S., and Gross.
Saum, Arthur M.
Smith, Joseph E., and Drummond.
Underwood, William F.

Ebert, David M., Wilmington, Del., and A. W. Hogeland, Southhampton, Pa., assignors to American Viscose Corporation, Wilmington, Del. Degassifier. 2,413,102; Dec. 24.

Economy Baler Company, assignee: *See*—
Langford, George W., and Barrows.

Edins, Sam R., Abilene, Tex. Glass rack construction. 2,413,039; Dec. 24.

Edwards and Company, Inc., assignee: *See*—
Fish, George R.

Edwards, Edward: *See*—
Sommer, Kurt, Maca, Edwards, and Budig.

Elder, Flint C., and A. W. Harris, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Wire drawing method. 2,413,220; Dec. 24.

Elgin National Watch Company, assignee: *See*—
Barker, George E.

Elliot, Donald C., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fuel pumping unit. 2,413,040; Dec. 24.

Elliott, Thomas W.: *See*—
Levy, Maurice M., and Elliott.

Elston, Edward P., Bradmore, Wolverhampton, England. Garment hanger. 2,413,221; Dec. 24.

Emerson Electric Mfg. Company, The, assignee: *See*—
Dederick, Clinton H.

Emerson, William H., Long Beach, and D. Hering, South Gate, Calif., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,412,976; Dec. 24.

Engstrom, Ralph W., Lancaster, Pa., assignor to Radio Corporation of America. Photoelectric tube and manufacture. 2,413,222; Dec. 24.

Epstein, Moses P., and C. R. Barton, New York, N. Y., assignors to Industrial Rayon Corporation, Cleveland, Ohio. Method and apparatus for mounting and controlling tension of warp beams of looms. 2,413,223; Dec. 24.

Eskin, Samuel G., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Flame sensitive device. 2,412,977; Dec. 24.

Esselen, Gustavus J.: *See*—
Wilson, Frank E., Esselen, and D'Alelio.

Federal Cartridge Corporation, assignee: *See*—
King, William N.

Federal Telephone & Radio Corporation, assignee: *See*—
Baumann, Harold C.
Himmel, Leon.
Hoffman, Ross B.
Kotterman, Chester A.
Labin, Emile.
Labin, Emile, and Hoffman.
Sherman, Vernon W.
Von Hippel, Arthur.
Young, Norman H., Jr.

Feinberg, Archie S., Dallas, Tex. Water control for evaporative coolers. 2,413,138; Dec. 24.

Feltman, Charles A., Brooklyn, N. Y. Fruit juice squeezer. 2,413,178; Dec. 24.

Fenwal Incorporated, assignee: *See*—
Walbridge, Lyman H.

Ferguson, Albert C., Jacksonville, Fla. Stretcher for crochet mats. 2,413,041; Dec. 24.

Fire Devices, Inc., assignee: *See*—
Griffith, William B.

Fish, George R., assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime construction. 2,412,978; Dec. 24.

Fisher Furnace Company, assignee: *See*—
Hoke, Kenneth D.

Fonoband Sociedad Anonima Fonoimpresiones Sobre Bandas de Papel, assignee: *See*—
Iborra, Miguel M.

Forbes, Arthur L., Jr., assignor to Pressure Weld Company, Houston, Tex. Expanding head. 2,413,103; Dec. 24.

Ford Motor Company, assignee: *See*—
Tinsler, Vernon R., and Brock.

Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Phthalocyanine sulfonhydrazides. 2,413,224; Dec. 24.

Franklin, Edmond G.: *See*—
Wilkie, James W., and Franklin.

Fraser, Douglas, & Sons Limited, assignee: *See*—

Fraser, Gordon S., assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland. Sliver roll forming and delivery apparatus. 2,413,042; Dec. 24.

Fredriksen, Clyde, Gurney, Wis. Outlet box and anchor therefor. 2,413,139; Dec. 24.

Fruit & Vegetable Processing Co., assignee: *See*—
Wilson, William H.

Gallowhur Chemical Corporation, assignee: *See*—
Delano, William R. P.

Ganci, Charles J., Ridgewood, N. Y., assignor to Ward Leonard Electric Company. Resistive device and making. 2,413,043; Dec. 24.

Garni, Bruno: *See*—
Leipold, Eugene, and Garni.

Garvey, Arthur, assignee, et al.: *See*—
Garvey, James.

Garvey, Horace M., assignee, et al.: *See*—
Garvey, James.

Garvey, James, assignors to A. and H. M. Garvey and said J. Garvey, Vancouver, British Columbia, Canada. Manufacture of milled toilet soap. 2,412,979; Dec. 24.

Gehen, Mathias J., assignee, et al.: *See*—
Tarapczynski, Sigmund.

General Aniline & Film Corporation, assignee: *See*—
Coroniti, Samuel C.
Fox, Arthur L.

General Electric Company, assignee: *See*—
Clark, Frank M.
Crary, Selden B.
Hollingsworth, Guilford L., and Jensen.
Ogden, Harold S.
Tillman, John E.

General Motors Corporation, assignee: *See*—
Harrold, Marshall C.

Gensler, Ray K.: *See*—
Carter, Joseph E., and Gensler.

Gilbert & Barker Manufacturing Company, assignee: *See*—
De Lancey, Warren H.
Elliot, Donald C.
Grisé, Alfred L.
Logan, Joseph A.

Goepfrich, George A., assignor to Bendix Aviation Corporation, South Bend, Ind. Gun charging mechanism. 2,413,104; Dec. 24.

Goss Printing Press Company, The, assignee: *See*—
Crafts, Curtis S., and Harless.

Gould, Harry I., assignor of one-half to A. M. Krall, St. Louis, Mo. Garden and lawn rake. 2,412,980; Dec. 24.

Grandmont, Paul E., East Orange, and L. C. Werner, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radiator. 2,413,179; Dec. 24.

Great National Air Conditioning Company, assignee: *See*—
McReynolds, Winn W.

Griffith, Alan A., Derby, England, assignor to Rolls-Royce Limited. Internal-Combustion turbine. 2,413,225; Dec. 24.

Griffith, William B., Audubon, N. J., assignor to Fire Devices, Inc. Thermostat. 2,413,140; Dec. 24.

Grisanti, Amedeo D., Mount Vernon, N. Y. Trouser waist grip. 2,413,180; Dec. 24.

Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Grease pump. 2,413,044; Dec. 24.

Gross, Peter F.: *See*—
Palmer, Fred S., and Gross.

Hadley, Allan M.: *See*—
Benner, Howard J., and Hadley.

Haggar, Joseph M., Dallas, Tex. Garment pocket. 2,413,141; Dec. 24.

Hallward, Michael, Swampscott, Mass. Life raft. 2,413,226; Dec. 24.

Hanson, Alfred H., Long Beach, Calif. Safety speed boat. 2,413,227; Dec. 24.

Harless, Charles A.: *See*—
Crafts, Curtis S., and Harless.

Harris, Arch W.: *See*—
Elder, Flint C., and Harris.

Harris, Sidney E.: *See*—
Christiansen, Walter G., and Harris.

Harrold, Marshall C., assignor to General Motors Corporation, Dayton, Ohio. Motor protector. 2,412,981; Dec. 24.

Hart, George T., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. High-frequency electrode. 2,412,982; Dec. 24.

Hatch, George B., and E. F. Pevere, Beacon, L. A. Clark, Fishkill, and F. H. Bruner, Beacon, N. Y., assignors to The Texas Company. Alkylation of hydrocarbons. 2,413,105; Dec. 24.

Hazeltine Research, Inc., assignee: *See*—
Hergenrother, Rudolf C.

Hene, Emil, London, England. Conversion of heavy hydrocarbon liquid. 2,412,983; Dec. 24.

Hepburn, William M., Ottawa Hills, Ohio, and W. O. Owen, Evanston, Ill., assignors to Surface Combustion Corporation, Toledo, Ohio. Rotary forge furnace. 2,413,228; Dec. 24.

Hercules Powder Company, assignee: *See*—
Traylor, Waldorf S., and Wiggam.

Hergenrother, Rudolf C., Beechhurst, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Signal generator. 2,413,181; Dec. 24.

Hering, Donald: *See*—
Emerson, William H., and Hering.

Hill, William H., Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Vulcanization of rubber. 2,412,984; Dec. 24.

Hill, William H., Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Vulcanization of rubber. 2,412,985; Dec. 24.

Himmel, Leon, Bronx, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Beacon system. 2,412,986; Dec. 24.

Hobart Manufacturing Company, assignee: *See*—
Brookhart, Theodore C., and Meeker.

Hodshon, Alfred E., Bucks County, and H. H. Tucker, Montgomery County, assignors to John B. Stetson Company, Philadelphia, Pa. Felt hat body stiffening composition. 2,413,229; Dec. 24.

Hoekstra, Harold D., Rockville, Md. Engine starting mechanism. 2,413,045; Dec. 24.

Hoffman, Ross B.: *See*—
Labin, Emile, and Hoffman.

Hoffman, Ross B., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Vacuum tube connection. 2,412,987; Dec. 24.

Hoffmann-La Roche Inc., assignee: *See*—
Schnider, Otto.

Hogeland, Abram W.: *See*—
Ebert, David M., and Hogeland.

Hohwieler, William U., Morrisville, Pa. Parachute dummy. 2,413,230; Dec. 24.

Hoke, Kenneth D., assignor to Fisher Furnace Company, Chicago, Ill. Rotary furnace. 2,413,231; Dec. 24.

Hollingsworth, Guilford L., Schenectady, and R. C. Jensen, Scotia, N. Y., assignors to General Electric Company. Radio communication system. 2,413,182; Dec. 24.

Holly, Harry H., assignor to Holly Molding Devices, Chicago, Ill. Hamburger patty maker. 2,413,046; Dec. 24.

Holly Molding Devices, assignee: *See*—
Holly, Harry H.

Holmes, Lynn C.: *See*—
Latchford, William B., and Holmes.

Holt, Benjamin M.: *See*—
Reed, Homer C., and Holt.

Homan, Theodore J.: *See*—
Huddleson, Walter D., and Homan.

Hosbein, Louis H., Glencoe, assignor to M. H. Detrick Company, Chicago, Ill. Furnace wall. 2,413,183; Dec. 24.

Houdaille-Hershey Corporation, assignee: *See*—
Johnson, Bernard C.

Houdry Process Corporation, assignee: *See*—
Bates, John R., and Shabaker.

Houghton, Leslie W.: *See*—
Catterjea, Prafulla K., and Houghton.

Huddleson, Walter D., South Lebanon, and T. J. Homan, Cincinnati, Ohio, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Bullet orienting shaker. 2,413,047; Dec. 24.

Hunter, Raymond, assignee: *See*—
Bugley, James R.

Hurd, Jesse L., Pierce County, Wash. Logging apparatus. 2,413,048; Dec. 24.

Hurley, Earl H., Emporium, Pa. Swing. 2,413,232; Dec. 24.

Hutcheson, John A.: *See*—
McCurdy, William H., and Hutcheson.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Methyl silicon halides and their production. 2,413,049; Dec. 24.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Alkyl silicon chlorides and their preparation. 2,413,050; Dec. 24.

Iborra, Miguel M., assignor to Fonoband Sociedad Anonima Fonoimpresiones Sobre Bandas de Papel, Buenos Aires, Argentina. Horizontally and vertically adjustable photoelectric sound head. 2,413,051; Dec. 24.

Industrial Rayon Corporation, assignee: *See*—
Corey, Lorin A.
Epstein, Moses P., and Barton.

International Nickel Company, Inc., assignee: *See*—
Carter, Joseph E., and Gensler.

International Standard Electric Corporation, assignee: *See*—
Chevigny, Georges P., and Busignies.
Deloraine, Edmond M.
Lehman, Gerard J.
Levy, Maurice M., and Elliott.
Litton, Charles Y.
McLarn, Ernest S.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Carlson, Bert G.

Jaeger Machine Company, The, assignee: *See*—
Barker, Eugene.
Van Vcorhis, William G.

Jensen, Richard C.: *See*—
Hollingsworth, Guilford L., and Jensen.

Jilko Service Products, assignee: *See*—
Levyn, Joseph I.

Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Refrigerator liner construction. 2,413,233; Dec. 24.

Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Evaporator unit. 2,413,236; Dec. 24.

Johnson, Orvel M., Little Rock, Ark. Retractile fountain pen. 2,413,234; Dec. 24.

Jones, Edwin M., and F. W. Stein, Atchison, Kans. Suturing assembly and method. 2,413,142; Dec. 24.

Jones, William R., Cleveland, Ohio. Master safety valve with oven valve lock attachment. 2,413,237; Dec. 24.

Joy Manufacturing Company, assignee: *See*—
Maxson, Louis A.

Jucksch, Harry H., Berkeley, Calif., assignor to Wheeler, Reynolds and Stauffer. Rodent gun. 2,413,143; Dec. 24.

Kalman, Nicholas L., Rutherford, assignor to Ridbo Laboratories, Inc., Paterson, N. J. Preparing rosin hydrocarbons. 2,413,052; Dec. 24.

Kaplan, William: *See*—
Zerner, Ernst, and Kaplan.

Kelle, Arthur C., Stoughton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pipe coupling. 2,413,106; Dec. 24.

Kennedy, Douglas J., Shawinigan Falls, Quebec, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Crotonic acid manufacture. 2,413,235; Dec. 24.

Kenworth Motor Truck Corporation, assignee: *See*—
Brown, Wallace M.

King, William N., Anoka, assignor to Federal Cartridge Corporation, Minneapolis, Minn. Finishing containers impregnated with wax. 2,413,144; Dec. 24.

Kinyon, Brice W.: *See*—
Trumbull, Walter M., and Kinyon.

Kleinman, Jacob L., New York, N. Y. Reversible garment construction. 2,412,988; Dec. 24.

Kolarik, John, Brooklyn, N. Y. Traction splint. 2,413,053; Dec. 24.

Koppers Company, Inc., assignee: *See*—
Hill, William H.

Kotterman, Chester A., Livingston, N. J., assignor to Federal Telephone and Radio Corporation. Multiple rectifier cooling system. 2,412,989; Dec. 24.

Krall, Adolph M., assignee: *See*—
Gould, Harry I.

Kruse, Orlin O., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Drying oven control. 2,412,990; Dec. 24.

Kuhn, Wayne E., Scarsdale, assignor to The Texas Company, New York, N. Y. Refining of pyrethrum oleoresins. 2,413,107; Dec. 24.

Kump, Ernest J., Jr., Millbrae, Calif. Laminated plywood arch. 2,413,145; Dec. 24.

Kuzmitz, Frank V.: *See*—
Pontius, George W., III, and Kuzmitz.

Kyle and Company, Inc., assignee: *See*—
Brown, Luther S., K. R., and F. L.

Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation. Radio transmission and monitoring system. 2,412,991; Dec. 24.

Labin, Emile, New York, N. Y., and R. B. Hoffman, East Orange, N. J., assignors to Federal Telephone and Radio Corporation. Vacuum tubes connection. 2,412,992; Dec. 24.

La Lande, William A., Jr., Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Metal aluminate adsorbents and making same. 2,413,184; Dec. 24.

La Lande, William A., Jr., Upper Darby, assignor to Porocel Corporation, Philadelphia, Pa. Removal of volatile metal halides from fluids. 2,413,185; Dec. 24.

Langford, George W., and A. C. Barrows, assignors to Economy Baler Company, Ann Arbor, Mich. Scrap metal baling press. 2,413,054; Dec. 24.

Lankelma, Herman P.: *See*—
Musselman, John M., and Lankelma.

Larchar, Arthur W., Mendenhall, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,412,993; Dec. 24.

Larson, Ralph A., Oak Park, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Fireproof wiper roll. 2,413,146; Dec. 24.

La Rue, William D., Merchantville, N. J., assignor to Radio Corporation of America. Mounting crystal detectors. 2,413,186; Dec. 24.

Latchford, William B., Rochester, and L. C. Holmes, Fairport, assignors to Stromberg-Carlson Company, Rochester, N. Y. Recording and reproducing head for magnetic recording. 2,413,108; Dec. 24.

Lawrence, Malcolm C., Bremerton, Wash. Hand sander. 2,413,147; Dec. 24.

Lebowitz, Samuel, assignee: *See*—
Auerbach, Abraham.

Lehmann, Gerard J., assignor to International Standard Electric Corporation, New York, N. Y. Radio receiving system. 2,412,994; Dec. 24.

Leipold, Eugene, and B. Garni, Milwaukee, Wis. Apparatus for the manufacture of building blocks. 2,413,109; Dec. 24.

Leviton, Abraham, Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of riboflavin concentrates. 2,413,055; Dec. 24.

Levy, Maurice M., London, W. C. 2, assignor to Standard Telephones and Cables Limited, London, England. Amplifier of electromagnetic energy. 2,412,995; Dec. 24.

Levy, Maurice M., and T. W. Elliott, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Arrangement for generating and observing electric pulses. 2,412,996; Dec. 24.

Levyn, Joseph I., Brooklyn, assignor to Jilko Service Products, New York, N. Y. Decorative bar pin. 2,413,056; Dec. 24.

Lewis, Lloyd V., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Counting relay signaling apparatus. 2,413,110; Dec. 24.

Liptak, John P., Maple Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Benzol scrubber. 2,413,238; Dec. 24.

Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,412,997; Dec. 24.

Litton, Charles V., Redwood City, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,412,998; Dec. 24.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid measuring and dispensing apparatus. 2,413,057; Dec. 24.

London, James A., Los Angeles, Calif. Multishutter camera. 2,413,058; Dec. 24.

Luedtke, Richard C., Glen Burnie, Md. Piston and connecting rod thereof. 2,413,059; Dec. 24.

Maas, Werner S., New York, N. Y. Bust support. 2,413,060; Dec. 24.

Maca, Paul, trustee, assignee, et al.: *See*—
Sommer, Kurt, Maca, Edwards, and Budig.

Mackey, Alexander S., Ottawa, Ontario, Canada, assignor to Scovill Manufacturing Company, Waterbury, Conn. Lipstick holder. 2,412,999; Dec. 24.

Malin, Jay B., Fishkill, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Fuel injection device for internal-combustion engines. 2,413,111; Dec. 24.

Man-Sew Corp., assignee: *See*—
Wall, Byron T.

Manson, George J., Ottawa, Ontario, assignor to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Plastic compositions of polyvinyl ester and wax. 2,413,239; Dec. 24.

Marine, Richard E., Pittsburgh, Pa. Vehicle lock. 2,413,025; Dec. 24.

Martin, Virgil E. C., Hayward, Calif. Foot actuated switch. 2,413,148; Dec. 24.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray indicating device. 2,413,026; Dec. 24.

Maxim Silencer Company, The, assignee: *See*—
Tyskewicz, John P.

Maxson, Louis A., Clearmont, N. H., assignor to Joy Manufacturing Company. Cabin pressure controlling mechanism. 2,413,027; Dec. 24.

McCarthy, Robert E., Bakersfield, and E. A. Bender, Long Beach, Calif. Portable derrick. 2,413,149; Dec. 24.

McCoy, Howard M., Patterson Field, Ohio. Engine synchronizer. 2,413,028; Dec. 24.

McCurdy, William H., Caldwell, N. J., and J. A. Hutcheson, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Device for radiation of radio waves. 2,413,187; Dec. 24.

McFarland, Artie F., assignor to McFarland Manufacturing Corporation, Houston, Tex. Chemical feeding apparatus. 2,413,029; Dec. 24.

McFarland Manufacturing Corporation, assignee: *See*—
McFarland, Artie F.

McGovern, Harold J., Rock Island, Ill. Multiple pump for hydraulic systems. 2,413,240; Dec. 24.

McKee, Paul H., and C. V. Siler, Terre Haute, Ind. Trolley wire connector. 2,413,061; Dec. 24.

McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Cord connector for telephone instruments. 2,413,030; Dec. 24.

McReynolds, Winn W., assignor to Great National Air Conditioning Company, Dallas, Tex. Remote control for evaporative coolers. 2,413,150; Dec. 24.

Meeker, David A.: *See*—
Brookhart, Theodore C., and Meeker.

Mejean, Jacques G., Westport, and J. C. Daninos, Darien, Conn., assignors, by mesne assignments, to C. E. Warner, Jackson Heights, N. Y. Recharging system for machine guns. 2,413,241; Dec. 24.

Miami Valley Coated Paper Co., The, assignee: *See*—
Srere, Alfred A.

Miessner, Benjamin F., assignor to Miessner Inventions, Inc., Harding Township, Morris County, N. J. Apparatus for the production of music. 2,413,062; Dec. 24.

Miessner Inventions, Inc., assignee: *See*—
Miessner, Benjamin F.

Miller, William A., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Measuring system and triangular wave generator for use therein. 2,413,063; Dec. 24.

Modine Manufacturing Company, assignee: *See*—
Spiech, Benjamin.

Monsanto Chemical Company, assignee: *See*—
Weyl, Woldemar A.

Mosca, Victor, assignee: *See*—
Rickelmann, Gustav W. B.

March, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Control device. 2,413,031; Dec. 24.

Murphy, James W. and J. P., Akron, Ohio. Sewing-machine accessory. 2,413,064; Dec. 24.

Murphy, John P.: *See*—
Murphy, James W. and J. P.

Murray, Thomas W., Dover, Del. Lifting jack device. 2,413,242; Dec. 24.

Musselman, John M., South Euclid, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricants, etc. 2,413,188; Dec. 24.

Naegele, John C., Upper Darby, Pa., assignor to Bendix Aviation Corporation, Teterboro, N. J. Measuring apparatus. 2,413,065; Dec. 24.

Navy, United States of America, as represented by the Secretary of, assignee: *See*—
Purington, Ellison S.

Neff, Wallace, Los Angeles, Calif. Storage tank and constructing same. 2,413,243; Dec. 24.

Nelson, Ted, San Leandro, Calif. Stud welding machine. 2,413,189; Dec. 24.

North, Dwight O., Cranbury, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,413,244; Dec. 24.

Nu Dell, Arthur A., Chicago, Ill. Plastic grater. 2,413,151; Dec. 24.

Nu Dell, Arthur A., Chicago, Ill. Toy house. 2,413,152; Dec. 24.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electricity conductor unit. 2,413,032; Dec. 24.

Ockrant, William, assignee: *See*—
Suter, Henry.

Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Antislippage system for plural traction motors. 2,413,190; Dec. 24.

Okress, Ernest C.: *See*—
Clifford, David G., and Okress.

O'Loughlin, Walter K., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Catalytic hydrogenation of aliphatic nitrohydroxy compounds. 2,413,153; Dec. 24.

Olson, Robert W.: *See*—
Shook, Earley M., and Olson.

Orosz, John, assignee, et al.: *See*—
Tarapcyznski, Sigmund.

Owen, William O.: *See*—
Hepburn, William M., and Owen.

Pacific Electric Manufacturing Corporation, assignee: *See*—
Schwager, August C.
Thompson, Joseph S.

Palmer, Fred S., and P. F. Gross, Woodstown, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of metal-free phthalocyanine coloring matter. 2,413,191; Dec. 24.

Parker Appliance Company, The, assignee: *See*—
Dunnebeck, Robert E.

Pauly Jail Building Company, assignee: *See*—
Albrecht, Edmund C., and Cerny.

Pennsylvania Railroad Company, The, assignee: *See*—
Steins, Carleton K.

Pevere, Ernest F.: *See*—
Hatch, George B., Pevere, Clarke, and Bruner.

Philco Corporation, assignee: *See*—
Tiley, John W.

Phillips Petroleum Company, assignee: *See*—
Word, James C., Jr., and Sims.

Photoswitch Incorporated, assignee: *See*—
Wolfner, William F., II.

Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F.

Pollak, Peter I.: *See*—
Zerner, Ernst, Davies, and Pollak.

Pontius, George W., III, and A. P. Wilson, assignors to Bendix Aviation Corporation, South Bend, Ind. Automatic gun charger. 2,413,112; Dec. 24.

Pontius, George W., III, and A. P. Wilson, assignors to Bendix Aviation Corporation, South Bend, Ind. Automatic gun charger. 2,413,113; Dec. 24.

Pontius, George W., III, and F. V. Kuzmitz, assignors to Bendix Aviation Corporation, South Bend, Ind. Gun turret. 2,413,114; Dec. 24.

Pope, William C., Seattle, Wash. Cable slitting machine. 2,413,192; Dec. 24.

Porocel Corporation, assignee: *See*—
La Lande, William A., Jr.

Porter, Edward, Bradenton, Fla. Trunk-piston body. 2,413,154; Dec. 24.

Potter, James A., Ratherford, N. J., assignor to Bell Telephone Laboratories, Incorporated. Voltage regulated rectifying system. 2,413,033; Dec. 24.

Preco Incorporated, assignee: *See*—
Van Dorn, William E.

Pressure Weld Company, assignee: *See*—
Forbes, Arthur L., Jr.

Pro-phy-lac-tic Brush Company, assignee: *See*—
D'Alelio, Gaetano F.
Wilson, Frank, Esselen, and D'Alelio.

Purington, Ellison S., Gloucester, Mass., assignor to United States of America, as represented by the Secretary of the Navy. Torpedo control by multiple channel selector. 2,413,066; Dec. 24.

Purington, Ellison S., Gloucester, Mass., assignor to United States of America, as represented by the Secretary of the Navy. Torpedo control by timing selector. 2,413,067; Dec. 24.

Pyne, Roger S., Longmeadow, assignor to Van Norman Company, Springfield, Mass. Diaphragm chuck. 2,413,068; Dec. 24.

Radio Corporation of America, assignee: *See*—
Brian, Joseph M.
Engstrom, Ralph W.
La Rue, William D.
Miller, William A.
North, Dwight O.
Schade, Otto H.
Schick, John R.
Seeley, Stuart W.
Smith, Lloyd P.
Trumbull, Walter M., and Kinyon.
Wolff, Irving.

Raynor, Harvey F.: *See*—
Snowden, Ward E., and Raynor.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Reagan, Fred E., Knoxville, Tenn. Lubrication. 2,413,069; Dec. 24.

Reed, Homer C., Glendale, and B. M. Holt, Berkeley, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic distillation of toluene. 2,413,245; Dec. 24.

Reeves, James B., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic motor control. 2,413,070; Dec. 24.

Remington Arms Company, Inc., assignee: *See*—
Huddleson, Walter D., and Homan.
Yost, Kenneth J.

Rice, Mildred H., Pasadena, Calif. Shoe preserver. 2,413,071; Dec. 24.

Rickelmann, Gustav W. B., assignor of forty percent to V. Mosca, Paterson, N. J. Loom. 2,413,155; Dec. 24.

Ridbo Laboratories, Inc., assignee: *See*—
Kalman, Nicholas L.

Robblee, Ide L., assignor to American Optical Company, Southbridge, Mass. Eye shield or shade. 2,413,193; Dec. 24.

Robertshaw Thermostat Company, assignee: *See*—
Eskin, Samuel G.

Rockwell Manufacturing Company, assignee: *See*—
Wiken, Christy A., and Boehnke.

Rolls-Royce Limited, assignee: *See*—
Griffith, Alan A.

Ruigh, William L., Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Method. 2,413,000; Dec. 24.

Russell, Clyde D., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Filling valve. 2,413,194; Dec. 24.

Saco-Lowell Shops, assignee: *See*—
Cotchett, Louis M.

Sage, Harry C., assignor to Thompson Sage, Inc., Stockton, Calif. Pickup reel for harvesters. 2,413,072; Dec. 24.

Sage, Thompson, Inc., assignee: *See*—
Sage, Harry C.

Saum, Arthur M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stretching rolls. 2,413,073; Dec. 24.

Savage, John O., Washington, D. C. Master carriage with airplanes for sustaining same. 2,413,074; Dec. 24.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Method and system for developing television signals. 2,413,075; Dec. 24.

Schick, John R., Santa Ana, Calif., assignor to Radio Corporation of America. Radiation sensitive relay system. 2,413,076; Dec. 24.

Schneckloth, Harry H., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,413,001; Dec. 24.

Schnider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. d(+)-alpha, gamma-dihydroxy-beta, beta-dimethyl-butyric-acid-(hydroxy-alkyl)-amides and the manufacture of same. 2,413,077; Dec. 24.

Scholfield, Richard P., assignor to Scholfield Service, Inc., New York, N. Y. Filing apparatus. 2,413,078; Dec. 24.

Scholfield Service, Inc., assignee: *See*—
Scholfield, Richard P.

Schurtz, Ralph E., Kansas City, Mo. Automatic plural temperature timing therapeutic bath. 2,413,002; Dec. 24.

Schwager, August C., Millbrae, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. High potential current transformer means. 2,413,195; Dec. 24.

Schwartz, Morris A., Los Angeles, Calif. Thermostat. 2,413,079; Dec. 24.

Scovill Manufacturing Company, assignee: *See*—
Mackey, Alexander A.

Scroggs, William A., San Diego, Calif. Wire garment hanger making machine. 2,413,196; Dec. 24.

Scully, Charles T.: *See*—
Chatterjea, Prafulla K., Scully, and Ambrose.

Seal, Myron F., Weldon, Ill. Automatic scraper for disk harrow. 2,413,246; Dec. 24.

Seeley, Stuart W., Roslyn, N. Y., assignor to Radio Corporation of America. Spectrophotometer. 2,413,080; Dec. 24.

Senkus, Murray, Terre Haute, Ind., assignor to Commercial Solvents Corporation. N-substituted amino monohydric secondary alcohols and preparing them. 2,413,247; Dec. 24.

Senkus, Murray, Terre Haute, Ind., assignor to Commercial Solvents Corporation. Polyamines and preparing them. 2,413,248; Dec. 24.

Senkus, Murray, Terre Haute, Ind., assignor to Commercial Solvents Corporation. 1,5-bis-(1-nitro-3,5-dioxacyclohexyl)-2,4 dioxapentane. 2,413,249; Dec. 24.

Senkus, Murray, Terre Haute, Ind., assignor to Commercial Solvents Corporation. 1,5-bis(1-amino-3,5-dioxacyclohexyl) 2,4 dioxapentane. 2,413,250; Dec. 24.

Shabaker, Hubert A.: *See*—
Bates, John R., and Shabaker.

Shaeffer, George D., assignor to Gar Wood Industries, Inc., Detroit, Mich. Clutch driven hydraulic pump. 2,413,081; Dec. 24.

Shawinigan Chemicals Limited, assignee: *See*—
Kennedy, Douglas J.
Manson, George J.

Sheehan, William E., assignor to Bendix Aviation Corporation, South Bend, Ind. Fuel injection pump. 2,413,115; Dec. 24.

Shelton, Lee E.: *See*—
Swennes, Benjamin A., and Shelton.

Shepard, Stanley C.: *See*—
Wolfson, Henry, and Shepard.

Sherman, Vernon W., Summit, N. J., assignor to Federal Telephone and Radio Corporation. High-frequency baking apparatus. 2,413,003; Dec. 24.

Shook, Earley M., and R. W. Olson, Washington, D. C., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. System for geophysical exploration. 2,413,116; Dec. 24.

Short, Frank, Canton Center, Conn. Grenade. 2,413,004; Dec. 24.

Sickles, F. W., Company, The, assignee: *See*—
Benner, Howard J., and Hadley.

Siler, Clay V.: *See*—
McKee, Paul H., and Siler.

Sims, John J.: *See*—
Word, James C., Jr., and Sims.

Singer Manufacturing Company, The, assignee: *See*—
Zeier, Frederick F.

Skaer, James A., Wichita, Kans. Pocket tool kit. 2,413,082; Dec. 24.

Smalley, Stanley: *See*—
Vrooman, Leon, and Smalley.

Smith, Donald L., Dunellen, N. J., assignor to Air Reduction Company, Incorporated. Billet nicking machine. 2,413,117; Dec. 24.

Smith, George A., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,413,005; Dec. 24.

Smith, Joseph E., and W. A. Drummond, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of vinyl-acetate polymers. 2,413,197; Dec. 24.

Smith, Lloyd P., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,413,251; Dec. 24.

Smith, Richard E., Wichita, Kans. Transparent lid and integral lens. 2,413,252; Dec. 24.

Snowden Chemical Company, assignee: *See*—
Snowden, Ward E., and Raynor.

Snowden, Ward E., and H. F. Raynor, assignors to Snowden Chemical Company, Modesto, Calif. Injection nozzle. 2,413,083; Dec. 24.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Shook, Earley M., and Olson.

Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Purification of indene. 2,413,253; Dec. 24.

Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Refining styrene and methyl styrene. 2,413,255; Dec. 24.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. For refining unsaturated hydrocarbon material with an alkali or alkaline earth metal. 2,413,254; Dec. 24.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Chemical process and product. 2,413,256; Dec. 24.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Purifying piperylene. 2,413,257; Dec. 24.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Polystyrene-type resins plasticized with high boiling fatty acid alkyl esters. 2,413,258; Dec. 24.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Polyacrylic and polymethacrylic resins plasticized with high boiling aromatic oils. 2,413,259; Dec. 24.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Refining of aromatic hydrocarbons with acid-acting metallic halides. 2,413,260; Dec. 24.

Solomon, Roy W., assignee: *See*—
Vaught, Le Roy.

Sommer, Kurt, La Grange Park, P. Maca, Hinsdale, E. Edwards, and W. Budig, Chicago, Ill., assignors to said Sommer and said Maca, as trustees. Glass drilling apparatus. 2,413,084; Dec. 24.

Spencer, Percy L., West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Electrode assembly for discharge tubes. 2,413,006; Dec. 24.

Sperry Gyroscope Company, Inc., assignee: *See*—
Braddon, Frederick D.

Sperry-Sun Well Surveying Company, assignee: *See*—
Emerson, William H., and Hering.
Smith, George A.

Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Air deflector vane for unit heaters. 2,413,118; Dec. 24.

Squibb, E. R., & Sons, assignee: *See*—
Christiansen, Walter G., and Harris.
Ruich, William I.

Srere, Alfred A., Dayton, assignor to The Miami Valley Coated Paper Co., Franklin, Ohio. Liner coating composition. 2,413,007; Dec. 24.

Stackhouse, Wilton E., Springfield, Pa., assignor to The United Gas Improvement Company. Method and apparatus for hydrogen sulfide determination. 2,413,261; Dec. 24.

Standard Electric Corporation, assignee: *See*—
Wolfson, Henry, and Shepard.

Standard Oil Company, The, assignee: *See*—
Musselman, John M., and Lankelma.
Swenson, Reuben A.

Standard Telephones and Cables Limited, assignee: *See*—
Chatterjea, Prafulla K., and Houghton.
Chatterjea, Prafulla K., Scully, and Ambrose.
Levy, Maurice M.
Willoughby, Eric O.

Stein, Frederick W.: *See*—
Jones, Edwin M., and Stein.

Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive. 2,413,119; Dec. 24.

Stetson, John B., Company, assignee: *See*—
Hodshon, Alfred E., and Tucker.

Stewart, James A., Cornwallis, Nova Scotia, Canada, assignor to American Optical Company, Southbridge, Mass. Lens inspecting and layout device. 2,413,198; Dec. 24.

Stirton, Robert I., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. High compression motor fuel. 2,413,262; Dec. 24.

Stromberg-Carlson Company, assignee: *See*—
Latchford, William B., and Holmes.

Submarine Signal Company, assignee: *See*—
Turner, Edwin E., Jr.

Sun Chemical Corporation, assignee: *See*—
Zerner, Ernst, Davies, and Pollak.
Zerner, Ernst, and Kaplan.

Surface Combustion Corporation, assignee: *See*—
Cone, Carroll.
Hepburn, William M., and Owen.

Suter, Henry, assignor of one-fourth to W. Ockrant, Cincinnati, Ohio. Frequency control. 2,413,263; Dec. 24.

Swanson, Arthur H., Lafayette Hill, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,413,120; Dec. 24.

Swenner, Benjamin A., Rockford, Ill., and L. E. Shelton, Kalamazoo, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Mounting for automotive motor and transmission assembly. 2,413,264; Dec. 24.

Swenson, Reuben A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,413,121; Dec. 24.

Swenson, Reuben A., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,413,122; Dec. 24.

Taglialatela, Robert, Brooklyn, N. Y. Fragmentation bomb. 2,413,008; Dec. 24.

Tarapczynski, Sigmund, assignor of twenty-five per cent to M. J. Gehen, twenty-five per cent to J. J. Agugliaro, and twenty-five per cent to J. Orosz, Buffalo, N. Y. Sharpening device. 2,413,156; Dec. 24.

Taussky, Ilona, New York, N. Y. Refining, purifying, and hydrogenating fats, fatty acids, and waxes. 2,413,009; Dec. 24.

Taylor, Eben D.: *See*—
Ward, Loyd A., and Taylor.

Taylor, Robert C., Melrose Park, assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of aliphatic hydrocarbon sulfonates. 2,413,199; Dec. 24.

Taylor-Winfield Corporation, assignee: *See*—
Urquhart, Thornton L.

Teegarden, Otto V., Goshen, Ind. Tire handling stand. 2,413,010; Dec. 24.

Texas Company, The, assignee: *See*—
Hatch, George B., Pevere, Clark, and Bruner.
Kuhn, Wayne E.
Malin, Jay B.
Warrick, Halsted R.

Thibodeau, Wilfred E.: *See*—
Church, Joseph H., and Thibodeau.

Thompson, Hjalmar C., assignor to Deere & Company, Moline, Ill. Tension control device for flexible endless belts and the like. 2,413,265; Dec. 24.

Thompson, Joseph S., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Disconnecting switch. 2,413,200; Dec. 24.

Thomsen, Hugo, Washington, D. C. Binder. 2,413,157; Dec. 24.

Tiley, John W., Philadelphia, Pa., assignor to Philco Corporation. Antenna system. 2,413,085; Dec. 24.

Tillman, John E., Stratford, Conn., assignor to General Electric Company. Radio frequency transformer. 2,413,201; Dec. 24.

Tinsler, Vernon R., and H. L. Brock, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Guard mechanism. 2,413,266; Dec. 24.

Tomkins-Johnson Company, assignee: *See*—
Ward, Loyd A., and Taylor.

Traylor, Waldorf S., Mansfield, Mass., and D. R. Wiggam, West Grove, Pa., assignors to Hercules Powder Company, Wilmington, Del. Molding compositions. 2,413,011; Dec. 24.

Trout, Glen H.: *See*—
Bannerman, Gordon H., Curran, and Trout.

Trumbull, Walter M., Newark, and B. W. Kinyon, Bloomfield, N. J., assignors to Radio Corporation of America. Electrode structure and manufacture. 2,413,267; Dec. 24.

Tucker, Harold H.: *See*—
Hodshon, Alfred E., and Tucker.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Producing mechanical vibrations. 2,413,012; Dec. 24.

Tyskewicz, John P., assignor to The Maxim Silencer Company, Hartford, Conn. Reducing back pressure in silencers. 2,413,086; Dec. 24.

Underwood, William F., Oak Ridge, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of rayon. 2,413,123; Dec. 24.

Union Oil Company of California, assignee: *See*—
Reed, Homer C., and Holt.
Stirton, Robert I.

Union Switch & Signal Company, The, assignee: *See*—
Lewis, Lloyd V.
Wells, Wesley B.

United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.
Stackhouse, Wilton E.

United Shoe Machinery Corporation, assignee: *See*—
Hart, George T.

Unverferth, Gerard A., Dayton, Ohio. Spacer and seal for building construction. 2,413,268; Dec. 24.

Urbany, John E., Los Angeles, Calif. Fire preventing system. 2,413,087; Dec. 24.

Urquhart, Thornton L., Detroit, Mich., assignor to Taylor-Winfield Corporation, Warren, Ohio. Blowtorch machine for cutting metal workpieces. 2,413,088; Dec. 24.

Van Dorn, William E., Pasadena, Calif., assignor to Preco Incorporated. Driving mechanism. 2,413,158; Dec. 24.

Van Norman Company, assignee: *See*—
Allen, Edward A.
Pyne, Roger S.

Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Loading machine. 2,413,124; Dec. 24.

Vaught, Le Roy, assignor of one-half to R. W. Solmon, Inglewood, Calif. Fitting. 2,413,089; Dec. 24.

Vitarama Corporation, The, assignee: *See*—
Waller, Fred, and Dresser.

Von Hippel, Arthur, Weston, Mass., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Making selenium rectifiers. 2,413,013; Dec. 24.

Vrooman, Leon, and S. Smalley, Gloversville, N. Y. Walking aid. 2,413,202; Dec. 24.

Walbridge, Lyman H., assignor to Fenwal Incorporated, Ashland, Mass. Fire detector cable. 2,413,125; Dec. 24.

Wall, Byron T., assignor to Man-Sew Corp., New York, N. Y. Threading needles. 2,413,014; Dec. 24.

Waller, Fred, Huntington, and W. R. Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y. Projecting motion pictures. 2,413,269; Dec. 24.

Warburton, Frank D., Southgate, Calif. Timing checking device. 2,413,126; Dec. 24.

Ward Leonard Electric Company, assignee: *See*—
Ganci, Charles J.

Ward, Loyd A., Detroit, and E. D. Taylor, Jackson, assignors to Tomkins-Johnson Company, Jackson, Mich. Movable anvil riveting machine. 2,413,270; Dec. 24.

Warner, Charles E.: *See*—
Mejean, Jacques G., and Daninos.

Warrick, Halsted R., West Englewood, N. J., assignor to The Texas Company, New York, N. Y. Catalytic treatment of hydrocarbons. 2,413,271; Dec. 24.

Warth, Albin H., and I. F. Bulatkin, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Film-forming resinous lining for metal containers. 2,413,093; Dec. 24.

Weingart, Richard I. N., Glen Head, N. Y. Mechanical movement. 2,413,203; Dec. 24.

Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Colored light signal. 2,413,127; Dec. 24.

Werner, Leo C.: *See*—
Grandmont, Paul E., and Werner.

Westinghouse Electric Corporation, assignee: *See*—
Clifford, David G., and Okress.
Dawley, Clarence E.
Grandmont, Paul E., and Werner.
McCurdy, William H., and Hutcheson.

Weyl, Woldemar A., State College, Pa., assignor to Monsanto Chemical Company. Ceramic body. 2,413,159; Dec. 24.

Wheeler, Reynolds and Stauffer, assignee: *See*—
Jucksch, Harry H.

Wheelwright, Bernard, West Smethwick, England. Tilting camera. 2,413,272; Dec. 24.

Whitin Machine Works, assignee: *See*—
Wood, Earl S.

Wiggam, David R.: *See*—
Traylor, Waldorf S., and Wiggam.

Wigton, Paul L., Denver, Colo. Apparatus for fluid suspension classification. 2,413,015; Dec. 24.

Wiken, Christy A., and H. V. Boehnke, Milwaukee, Wis., assignors, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Cutting machine. 2,413,016; Dec. 24.

Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Bit control for percussive tools. 2,413,273; Dec. 24.

Wilkie, James W., and E. G. Franklin, assignors to Continental Machines, Inc., Minneapolis, Minn. Duplicating machine and electrical control therefor. 2,413,274; Dec. 24.

Willcox, Frederick P., U. S. Army, South Arlington, Va. Lens coupled range finder for cameras. 2,413,017; Dec. 24.

Willoughby, Eric O., assignor to Standard Telephones and Cables Limited, London, England. Keying arrangement. 2,413,018; Dec. 24.

Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,413,128; Dec. 24.

Wilson, Arthur P.: *See*—
Pontius, George W., III, and Wilson.

Wilson, Frank E., Ashland, G. J. Esselen, Swampscott, and G. F. D'Alelio, assignors, by mesne assignments, to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Polyvinyl acetal maleates and making same. 2,413,275; Dec. 24.

Wilson, William H., assignor to Fruit & Vegetable Processing Co., Los Angeles, Calif. Packing leafy vegetables for shipment. 2,413,129; Dec. 24.

Winans, Mark, New York, N. Y. Toy gun. 2,413,090; Dec. 24.

Witmer, Paul B., Lancaster, Pa. Potato slicer. 2,413,160; Dec. 24.

Wolfard, Merl R., Cambridge, Mass. Stabilizing means for tension elements hanging with sag to sustain loading between supports. 2,413,019; Dec. 24.

Wolfenden, Harry C., Attleboro, Mass. Collapsible and expansible spindle. 2,413,091; Dec. 24.

Wolff, Alexander A., Long Beach, N. Y. Cooking utensil. 2,413,204; Dec. 24.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Cathode ray apparatus. 2,413,276; Dec. 24.

Wolfner, William F., II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass. Electronic relay. 2,413,020; Dec. 24.

Wolfson, Henry, and S. C. Shepard, London, England, assignors, by mesne assignments, to Standard Electric Corporation, New York, N. Y. Resistance type detector. 2,413,021; Dec. 24.

Wood, Earl S., assignor to Whitin Machine Works, Whitinsville, Mass. Spindle adusting means. 2,413,092; Dec. 24.

Wood, Gar, Industries, Inc., assignee: *See*—
Shaeffer, George D.

Woody, George A., Springfield, Mass. Forming firearm barrels. 2,413,022; Dec. 24.

Word, James C., Jr., and J. J. Sims, Phillips, Tex., assignors to Phillips Petroleum Company. Dehydration of hydrohalogen acid by distillation. 2,413,205; Dec. 24.

Worsham, Arthur F., Phoenix, Ariz. Pickup arm. 2,413,206; Dec. 24.

Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Demodulator. 2,413,023; Dec. 24.

Young, William R., Jr.: *See*—
Bacon, Walter M., and Young.

Yost, Kenneth J., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Metal treating apparatus. 2,413,094; Dec. 24.

Zdancewicz, Vincent F., Lynn, Mass. Coating device. 2,412,954; Dec. 24.

Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controlling means for sewing machines. 2,413,277; Dec. 24.

Zerner, Ernst, G. D. M. Davies, and P. I. Pollak, assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Finishing textile materials, particularly to render the same water repellent. 2,413,024; Dec. 24.

Zerner, Ernst, New York, and W. Kaplan, Brooklyn, assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Surface active agents. 2,413,161; Dec. 24.

Zobell, Claude E., La Jolla, Calif., assignor to American Petroleum Institute, New York, N. Y. Bacteriological treatment of fluid-bearing earth formations. 2,413,278; Dec. 24.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Polyacrylic and polymethacrylic resins plasticized with high boiling aromatic oils. 2,413,259; Dec. 24.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Refining of aromatic hydrocarbons with acid-acting metallic halides. 2,413,260; Dec. 24.

Solomon, Roy W., assignee: *See*—
Vaught, Le Roy.

Sommer, Kurt, La Grange Park, P. Maca, Hinsdale, E. Edwards, and W. Budig, Chicago, Ill., assignors to said Sommer and said Maca, as trustees. Glass drilling apparatus. 2,413,084; Dec. 24.

Spencer, Percy L., West Newton, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Electrode assembly for discharge tubes. 2,413,006; Dec. 24.

Sperry Gyroscope Company, Inc., assignee: *See*—
Braddon, Frederick D.

Sperry-Sun Well Surveying Company, assignee: *See*—
Emerson, William H., and Hering.
Smith, George A.

Spleth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Air deflector vane for unit heaters. 2,413,118; Dec. 24.

Squibb, E. R., & Sons, assignee: *See*—
Christiansen, Walter G., and Harris.
Ruigh, William L.

Srere, Alfred A., Dayton, assignor to The Miami Valley Coated Paper Co., Franklin, Ohio. Liner coating composition. 2,413,007; Dec. 24.

Stackhouse, Wilton E., Springfield, Pa., assignor to The United Gas Improvement Company. Method and apparatus for hydrogen sulfide determination. 2,413,261; Dec. 24.

Standard Electric Corporation, assignee: *See*—
Wolfson, Henry, and Shepard.

Standard Oil Company, The, assignee: *See*—
Musselman, John M., and Lankelma.
Swenson, Reuben A.

Standard Telephones and Cables Limited, assignee: *See*—
Chatterjea, Prafulla K., and Houghton.
Chatterjea, Prafulla K., Scully, and Ambrose.
Levy, Maurice M.
Willoughby, Eric O.

Stein, Frederick W.: *See*—
Jones, Edwin M., and Stein.

Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive. 2,413,119; Dec. 24.

Stetson, John B., Company, assignee: *See*—
Houlshon, Alfred E., and Tucker.

Stewart, James A., Cornwallis, Nova Scotia, Canada, assignor to American Optical Company, Southbridge, Mass. Lens inspecting and layout device. 2,413,198; Dec. 24.

Stirton, Robert I., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. High compression motor fuel. 2,413,262; Dec. 24.

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Latchford, William B., and Holmes.

Submarine Signal Company, assignee: *See*—
Turner, Edwin E., Jr.

Sun Chemical Corporation, assignee: *See*—
Zerner, Ernst, Davies, and Pollak.
Zerner, Ernst, and Kaplan.

Surface Combustion Corporation, assignee: *See*—
Cone, Carroll.
Hepburn, William M., and Owen.

Suter, Henry, assignor of one-fourth to W. Ockrant, Cincinnati, Ohio. Frequency control. 2,413,263; Dec. 24.

Swanson, Arthur H., Lafayette Hill, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,413,120; Dec. 24.

Swennes, Benjamin A., Rockford, Ill., and L. E. Shelton, Kalamazoo, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Mounting for automotive motor and transmission assembly. 2,413,264; Dec. 24.

Swenson, Reuben A., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,413,121; Dec. 24.

Swenson, Reuben A., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Greases. 2,413,122; Dec. 24.

Taglialatela, Robert, Brooklyn, N. Y. Fragmentation bomb. 2,413,008; Dec. 24.

Tarapczynski, Sigmund, assignor of twenty-five per cent to M. J. Gehen, twenty-five per cent to J. J. Agugliaro, and twenty-five per cent to J. Orosz, Buffalo, N. Y. Sharpening device. 2,413,156; Dec. 24.

Taussky, Ilona, New York, N. Y. Refining, purifying, and hydrogenating fats, fatty acids, and waxes. 2,413,009; Dec. 24.

Taylor, Eben D.: *See*—
Ward, Loyd A., and Taylor.

Taylor, Robert C., Melrose Park, assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of aliphatic hydrocarbon sulfonates. 2,413,199; Dec. 24.

Taylor-Winfield Corporation, assignee: *See*—
Urquhart, Thornton L.

Teegarden, Otto V., Goshen, Ind. Tire handling stand. 2,413,010; Dec. 24.

Texas Company, The, assignee: *See*—
Hatch, George B., Fevere, Clark, and Bruner.
Kuhn, Wayne E.
Malin, Jay B.
Warrick, Halsted R.

Thibodeau, Wilfred E.: *See*—
Church, Joseph H., and Thibodeau.

Thompson, Hjalmar C., assignor to Deere & Company, Moline, Ill. Tension control device for flexible endless belts and the like. 2,413,265; Dec. 24.

Thompson, Joseph S., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Disconnecting switch. 2,413,200; Dec. 24.

Thomsen, Hugo, Washington, D. C. Binder. 2,413,157; Dec. 24.

Tiley, John W., Philadelphia, Pa., assignor to Philco Corporation. Antenna system. 2,413,085; Dec. 24.

Tillman, John E., Stratford, Conn., assignor to General Electric Company. Radio frequency transformer. 2,413,201; Dec. 24.

Tinsler, Vernon R., and H. L. Brock, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Guard mechanism. 2,413,266; Dec. 24.

Tomkins-Johnson Company, assignee: *See*—
Ward, Loyd A., and Taylor.

Traylor, Waldorf S., Mansfield, Mass., and D. R. Wiggam, West Grove, Pa., assignors to Hercules Powder Company, Wilmington, Del. Molding compositions. 2,413,011; Dec. 24.

Trout, Glen H.: *See*—
Bannerman, Gordon H., Curran, and Trout.

Trumbull, Walter M., Newark, and B. W. Kinyon, Bloomfield, N. J., assignors to Radio Corporation of America. Electrode structure and manufacture. 2,413,267; Dec. 24.

Tucker, Harold H.: *See*—
Hodshon, Alfred E., and Tucker.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Producing mechanical vibrations. 2,413,012; Dec. 24.

Tyskewicz, John P., assignor to The Maxim Silencer Company, Hartford, Conn. Reducing back pressure in silencers. 2,413,086; Dec. 24.

Underwood, William F., Oak Ridge, Tenn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of rayon. 2,413,123; Dec. 24.

Union Oil Company of California, assignee: *See*—
Reed, Homer C., and Holt.
Stirton, Robert I.

Union Switch & Signal Company, The, assignee: *See*—
Lewis, Lloyd V.
Wells, Wesley B.

United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.
Stackhouse, Wilton E.

United Shoe Machinery Corporation, assignee: *See*—
Hart, George T.

Unverferth, Gerard A., Dayton, Ohio. Spacer and seal for building construction. 2,413,268; Dec. 24.

Urbany, John E., Los Angeles, Calif. Fire preventing system. 2,413,087; Dec. 24.

Urquhart, Thornton L., Detroit, Mich., assignor to Taylor-Winfield Corporation, Warren, Ohio. Blowtorch machine for cutting metal workpieces. 2,413,088; Dec. 24.

Van Dorn, William E., Pasadena, Calif., assignor to Preco Incorporated. Driving mechanism. 2,413,158; Dec. 24.

Van Norman Company, assignee: *See*—
Allen, Edward A.
Pyne, Roger S.

Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Loading machine. 2,413,124; Dec. 24.

Vaught, Le Roy, assignor of one-half to R. W. Solmon, Inglewood, Calif. Fitting. 2,413,089; Dec. 24.

Vitarama Corporation, The, assignee: *See*—
Waller, Fred, and Dresser.

Von Hippel, Arthur, Weston, Mass., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Making selenium rectifiers. 2,413,013; Dec. 24.

Vrooman, Leon, and S. Smalley, Gloversville, N. Y. Walking aid. 2,413,202; Dec. 24.

Walbridge, Lyman H., assignor to Fenwal Incorporated, Ashland, Mass. Fire detector cable. 2,413,125; Dec. 24.

Wall, Byron T., assignor to Man-Sew Corp., New York, N. Y. Threading needles. 2,413,014; Dec. 24.

Waller, Fred, Huntington, and W. R. Dresser, Long Hill, Conn., assignors to The Vitarama Corporation, Huntington Station, N. Y. Projecting motion pictures. 2,413,269; Dec. 24.

Warburton, Frank D., Southgate, Calif. Timing checking device. 2,413,126; Dec. 24.

Ward Leonard Electric Company, assignee: *See*—
Ganci, Charles J.

Ward, Loyd A., Detroit, and E. D. Taylor, Jackson, assignors to Tomkins-Johnson Company, Jackson, Mich. Movable anvil riveting machine. 2,413,270; Dec. 24.

Warner, Charles E.: *See*—
Mejean, Jacques G., and Daninos.

Warrick, Halsted R., West Englewood, N. J., assignor to The Texas Company, New York, N. Y. Catalytic treatment of hydrocarbons. 2,413,271; Dec. 24.

Warth, Albin H., and I. F. Bulatkin, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Film-forming resinous lining for metal containers. 2,413,093; Dec. 24.

Weingart, Richard I. N., Glen Head, N. Y. Mechanical movement. 2,413,203; Dec. 24.

Wells, Wesley B., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Colored light signal. 2,413,127; Dec. 24.

Werner, Leo C.: *See*—
Grandmont, Paul E., and Werner.

Westinghouse Electric Corporation, assignee: *See*—
Clifford, David G., and Okress.
Dawley, Clarence E.
Grandmont, Paul E., and Werner.
McCurdy, William H., and Hutcheson.

Weyl, Woldemar A., State College, Pa., assignor to Monsanto Chemical Company. Ceramic body. 2,413,159; Dec. 24.

Wheeler, Reynolds and Stauffer, assignee: *See*—
Jucksch, Harry H.

Wheelwright, Bernard, West Smethwick, England. Tilting camera. 2,413,272; Dec. 24.

Whitin Machine Works, assignee: *See*—
Wood, Earl S.

Wiggam, David R.: *See*—
Traylor, Waldorf S., and Wiggam.

Wigton, Paul L., Denver, Colo. Apparatus for fluid suspension classification. 2,413,015; Dec. 24.

Wiken, Christy A., and H. V. Boehnke, Milwaukee, Wis., assignors, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Cutting machine. 2,413,016; Dec. 24.

Wilhide, Glenn C., Towson, Md., assignor to The Black and Decker Manufacturing Company. Bit control for percussive tools. 2,413,273; Dec. 24.

Wilkie, James W., and E. G. Franklin, assignors to Continental Machines, Inc., Minneapolis, Minn. Duplicating machine and electrical control therefor. 2,413,274; Dec. 24.

Willcox, Frederick P., U. S. Army, South Arlington, Va. Lens coupled range finder for cameras. 2,413,017; Dec. 24.

Willoughby, Eric O., assignor to Standard Telephones and Cables Limited, London, England. Keying arrangement. 2,413,018; Dec. 24.

Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,413,128; Dec. 24.

Wilson, Arthur P.: *See*—
Pontius, George W., III, and Wilson.

Wilson, Frank E., Ashland, G. J. Esselen, Swampscott, and G. F. D'Alelio, assignors, by mesne assignments, to Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Polyvinyl acetal maleates and making same. 2,413,275; Dec. 24.

Wilson, William H., assignor to Fruit & Vegetable Processing Co., Los Angeles, Calif. Packing leafy vegetables for shipment. 2,413,129; Dec. 24.

Winans, Mark, New York, N. Y. Toy gun. 2,413,090; Dec. 24.

Witmer, Paul B., Lancaster, Pa. Potato slicer. 2,413,160; Dec. 24.

Wolfard, Merl R., Cambridge, Mass. Stabilizing means for tension elements hanging with sag to sustain loading between supports. 2,413,019; Dec. 24.

Wolfenden, Harry C., Attleboro, Mass. Collapsible and expansible spindle. 2,413,091; Dec. 24.

Wolff, Alexander A., Long Beach, N. Y. Cooking utensil. 2,413,204; Dec. 24.

Wolff, Irving, Princeton, N. J., assignor to Radio Corporation of America. Cathode ray apparatus. 2,413,276; Dec. 24.

Wolfner, William F., II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass. Electronic relay. 2,413,020; Dec. 24.

Wolfson, Henry, and S. C. Shepard, London, England, assignors, by mesne assignments, to Standard Electric Corporation, New York, N. Y. Resistance type detector. 2,413,021; Dec. 24.

Wood, Earl S., assignor to Whitin Machine Works, Whitinsville, Mass. Spindle adusting means. 2,413,092; Dec. 24.

Wood, Gar, Industries, Inc., assignee: *See*—
Shaeffer, George D.

Woody, George A., Springfield, Mass. Forming firearm barrels. 2,413,022; Dec. 24.

Word, James C., Jr., and J. J. Sims, Phillips, Tex., assignors to Phillips Petroleum Company. Dehydration of hydrohalogen acid by distillation. 2,413,205; Dec. 24.

Worsham, Arthur F., Phoenix, Ariz. Pickup arm. 2,413,206; Dec. 24.

Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Demodulator. 2,413,023; Dec. 24.

Young, William R., Jr.: *See*—
Bacon, Walter M., and Young.

Yost, Kenneth J., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Metal treating apparatus. 2,413,094; Dec. 24.

Zdancewicz, Vincent F., Lynn, Mass. Coating device. 2,412,954; Dec. 24.

Zeier, Frederick F., Stratfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread controlling means for sewing machines. 2,413,277; Dec. 24.

Zerner, Ernst, G. D. M. Davies, and P. I. Pollak, assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Finishing textile materials, particularly to render the same water repellent. 2,413,024; Dec. 24.

Zerner, Ernst, New York, and W. Kaplan, Brooklyn, assignors, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Surface active agents. 2,413,161; Dec. 24.

Zobell, Claude E., La Jolla, Calif., assignor to American Petroleum Institute, New York, N. Y. Bacteriological treatment of fluid-bearing earth formations. 2,413,278; Dec. 24.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clip for conduits, Supporting. E. M. Morehouse. Re. 22,824; Dec. 24.
Potteryware, Method and apparatus for appendaging. W. J. Miller and A. J. Reek. Re. 22,823; Dec. 24.
Sewing machine arm. C. E. Colegrove. Re. 22,822; Dec. 24.
Swivel. J. S. Morgan, Jr., and D. A. Murphy. Re. 22,825; Dec. 24.

LIST OF PLANT INVENTIONS

Apple tree. F. A. Schell. 720; Dec. 24.
Rose plant. H. C. Swim. 719; Dec. 24.

LIST OF DESIGN INVENTIONS

Arm attachment for a gauge. P. P. Polloway. 146,120; Dec. 31.
Bracelet. A. Katz. 146,112; Dec. 24.
Bracelet or similar article. H. A. Malinowski. 146,115; Dec. 24.
Brooch or similar article. A. Katz. 146,111; Dec. 24.
Bureau for jewelry, Miniature. N. E. Morton. 146,118; Dec. 31.
Candlestick. M. R. Bellin. 146,097; Dec. 24.
Casing, Vacuum cleaner. G. W. Walker. 146,124; Dec. 31.
Clock. S. A. Gardner. 146,101–2; Dec. 24.
Duplicating machine. L. R. Randell. 146,121; Dec. 31.
Fabric, Embroidered. L. H. Hollander. 146,107; Dec. 24.
Flask. A. d'Anselme. 146,098; Dec. 24.
Game board. R. R. Hart. 146,105; Dec. 24.
Game board. J. Magro. 146,114; Dec. 24.
Knob, Tap. C. C. Merritt. 146,117; Dec. 31.
Lamp. W. F. Masterson. 146,116; Dec. 24.
Lamp. D. J. McGinnis. 146,113; Dec. 24.
Opener and paperweight, Combination letter. L. F. Johnson. 146,108; Dec. 24.
Pin and perfume container, Combined lapel. H. Graeter. 146,104; Dec. 24.
Pin, Class. R. W. Bates. 146,096; Dec. 24.
Plate for air conditioners, Face. B. Essick. 146,100; Dec. 24.
Rack, Combined hair brush and comb. P. Ruddick. 146,122; Dec. 31.
Sheet, Decalcomania. E. R. Jones and L. T. Lanier. 146,109; Dec. 24.
Shoe. W. H. Hinson. 146,106; Dec. 24.
Shoe. M. and C. A. Julianelli. 146,110; Dec. 24.
Signal, Turning. C. E. Edwards. 146,099; Dec. 24.
Slipper. S. F. Thompson. 146,123; Dec. 31.
Steering post, Bicycle. E. F. Pawsat. 146,119; Dec. 31.
Sterilizer, Ultraviolet. G. E. Glatthar and J. Terr. 146,103; Dec. 24.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetaldehyde and method, Stabilized. J. G. Dinwiddie. 2,413,038; Dec. 24.
Acid by distillation, Dehydration of hydrohalogen. J. C. Word, Jr., and J. J. Sims. 2,413,205; Dec. 24.
Acid manufacture, Crotonic. D. J. Kennedy. 2,413,235; Dec. 24.
Actuating and indicating mechanism, Selective. E. C. Albrecht and G. Cerny. 2,413,131; Dec. 24.
Aircraft attitude indicator. F. D. Braddon. 2,412,961; Dec. 24.
Alcohols and preparing them, N-substituted amino monohydric secondary. M. Senkus. 2,413,247; Dec. 24.
Alkyl silicon chlorides and their preparation. J. F. Hyde. 2,413,050; Dec. 24.
All purpose utility pencil case. V. P. Amoth. 2,412,938; Dec. 24.
Amplifier of electromagnetic energy. M. M. Levy. 2,412,995; Dec. 24.
Antenna system. J. W. Tiley. 2,413,085; Dec. 24.
Antifriction drive wheel. W. C. Cox. 2,413,099; Dec. 24.
Apparatus for fluid suspension classification. P. L. Wigton. 2,413,015; Dec. 24.
Apparatus for the manufacture of building blocks. E. Leipold and B. Garni. 2,413,109; Dec. 24.
Apparatus for the production of music. B. F. Miessner. 2,413,062; Dec. 24.
Arch, Laminated plywood. E. J. Kump, Jr. 2,413,145; Dec. 24.
Arch normalizer. J. T. Aydelotte. 2,413,133; Dec. 24.
Arrangement for determining and monitoring the duration of electrical pulses. P. K. Chatterjea, C. T. Scully, and D. M. Ambrose. 2,412,963; Dec. 24.
Arrangement for generating and observing electric pulses. M. M. Levy and T. W. Elliott. 2,412,996; Dec. 24.
Automatic gun charger. G. W. Pontius, III, and A. P. Wilson. 2,413,112–13; Dec. 24.
Automatic pilot directional turn indicator. B. G. Carlson. 2,413,214; Dec. 24.
Automatic scraper for disk harrow. M. F. Seal. 2,413,246; Dec. 24.
Bacteriological treatment of fluid-bearing earth formations. C. E. Zobell. 2,413,278; Dec. 24.
Barrels, Forming firearm. G. A. Woody. 2,413,022; Dec. 24.
Beacon system. L. Himmel. 2,412,986; Dec. 24.
Benzol scrubber. J. P. Liptak. 2,413,238; Dec. 24.
Billet nicking machine. D. L. Smith. 2,413,117; Dec. 24.
Binder. H. Thomsen. 2,413,157; Dec. 24.
Blankets, Repairing skin. A. G. Dean. 2,412,972; Dec. 24.
Board for spinning frames, Thread. L. M. Cotchett. 2,413,172; Dec. 24.
Boat, Safety speed. A. H. Hanson. 2,413,227; Dec. 24.
Bomb, Fragmentation. R. Taglialatela. 2,413,008; Dec. 24.
Boring head. E. A. Allen. 2,412,937; Dec. 24.
Box and anchor therefor, Outlet. C. Fredriksen. 2,413,139; Dec. 24.
Brake: *See*—
Fluid brake.
Brush backs, Manufacture of. G. F. D'Alelio. 2,413,219; Dec. 24.
Bullet orienting shaker. W. D. Huddleson and T. J. Homan. 2,413,047; Dec. 24.
Bumper, Ship. P. F. Blackman. 2,413,210; Dec. 24.
Bust support. W. S. Maas. 2,413,060; Dec. 24.
Cable: *See*—
Fire detector cable.
Cable slitting machine. W. C. Pope. 2,413,192; Dec. 24.
Camera, Multishutter. J. A. London. 2,413,058; Dec. 24.
Camera, Tilting. B. Wheelwright. 2,413,272; Dec. 24.
Carriage with airplanes for sustaining same, Master. J. O. Savage. 2,413,074; Dec. 24.
Cart, Cafeteria. J. R. and D. H. Boldt. 2,413,164; Dec. 24.
Case: *See*—
All purpose utility pencil case.
Catalytic hydrogenation of aliphatic nitrohydroxy compounds. W. K. O'Loughlin. 2,413,153; Dec. 24.
Cathode ray apparatus. I. Wolff. 2,413,276; Dec. 24.
Cathode ray indicating device. W. P. Mason. 2,413,026; Dec. 24.
Ceramic body. W. A. Weyl. 2,413,159; Dec. 24.
Checking device, Timing. F. D. Warburton. 2,413,126; Dec. 24.
Chemical compounds. W. G. Christiansen and S. E. Harris. 2,412,966; Dec. 24.
Chemical process and product. F. J. Soday. 2,413,256; Dec. 24.
Chuck, Diaphragm. R. S. Pyne. 2,413,068; Dec. 24.
Clutch driven hydraulic pump. G. D. Shaeffer. 2,413,081; Dec. 24.
Coating composition, Liner. A. A. Srere. 2,413,007; Dec. 24.
Coating device. V. F. Zdancewicz. 2,412,954; Dec. 24.
Colored light signal. W. B. Wells. 2,413,127; Dec. 24.
Communication system. H. H. Schneckloth. 2,413,001; Dec. 24.
Communication system, Electric wave. E. M. Deloraine. 2,412,974; Dec. 24.
Communication system, Secrecy. P. K. Chatterjea and L. W. Houghton. 2,412,964; Dec. 24.
Connector: *See*—
Trolley wire connector.
Connector for telephone instruments, Cord. E. S. McLarn. 2,413,030; Dec. 24.
Containers impregnated with wax, Finishing. W. N. King. 2,413,144; Dec. 24.
Continuous strip wiping apparatus. C. Cone. 2,413,216; Dec. 24.
Control device. J. H. Murch. 2,413,031; Dec. 24.
Control device for flexible endless belts and the like, Tension. H. C. Thompson. 2,413,265; Dec. 24.
Control for evaporative coolers, Water. A. S. Feinberg. 2,413,138; Dec. 24.
Control for percussive tools, Bit. G. C. Wilhide. 2,413,273; Dec. 24.
Control mechanism. C. H. Dederick. 2,413,137; Dec. 24.
Core drill. E. F. Aston. 2,412,939; Dec. 24.
Coupling: *See*—
Pipe coupling.
Crystal detectors, Mounting. W. D. La Rue. 2,413,186; Dec. 24.
Crystalline absorbents, Manufacture of. R. M. Barrer. 2,413,134; Dec. 24.
Cutting machine. C. A. Wiken and H. V. Boehnke. 2,413,016; Dec. 24.
d (+) alpha,gamma-dihydroxy-beta, beta-dimethylbutyric-acid-(hydroxy-alkyl)-amides and the manufacture of same. O. Schnider. 2,413,077; Dec. 24.
Decorative bar pin. J. I. Levyn. 2,413,056; Dec. 24.
Degassifier. D. N. Ebert and A. W. Hogeland. 2,413,102; Dec. 24.
Demodulator. N. H. Young, Jr. 2,413,023; Dec. 24.
Derrick, Portable. R. E. McCarthy and E. A. Bender. 2,413,149; Dec. 24.
Detector, Resistance type. H. Wolfson and S. C. Shepard. 2,413,021; Dec. 24.
Detergent composition and preparing same. F. C. Bersworth. 2,412,945; Dec. 24.
Detergent composition for use in hard water. F. C. Bersworth. 2,412,943; Dec. 24.
Detergent composition, Producing a. F. C. Bersworth. 2,412,944; Dec. 24.
Device for internal-combustion engines, Fuel injection. J. B. Malin. 2,413,111; Dec. 24.
Device for positive fluid action, Rotary. W. Bejeuhr. 2,413,209; Dec. 24.
Device for radiation of radio waves. W. H. McCurdy and J. A. Hutcheson. 2,413,187; Dec. 24.
Disconnecting switch. J. S. Thompson. 2,413,200; Dec. 24.
Dispensing apparatus, Fluid. W. H. De Lancey. 2,413,036; Dec. 24.
Drill: *See*—
Core drill.
Drilling apparatus, Glass. K. Sommer, P. Maca, E. Edwards, and W. Budig. 2,413,084; Dec. 24.
Driving mechanism. W. E. Van Dorn. 2,413,158; Dec. 24.
Duplicating machine and electrical control therefor. J. W. Wilkie and E. G. Franklin. 2,413,274; Dec. 24.
Electric glass melting furnace. C. F. De Voe. 2,413,037; Dec. 24.
Electric switch. E. J. Baumgardner. 2,413,135; Dec. 24.
Electricity conductor unit. J. F. O'Brien. 2,413,032; Dec. 24.
Electrode assembly for discharge tubes. P. L. Spencer. 2,413,006; Dec. 24.
Electrode, High-frequency. G. T. Hart. 2,412,982; Dec. 24.
Electrode holder. W. E. Cardinal. 2,413,213; Dec. 24.
Electrode structure. G. P. Chevigny and H. G. Busignies. 2,412,965; Dec. 24.
Electrode structure and manufacture. W. M. Trumbull and B. W. Kinyon. 2,413,267; Dec. 24.
Electron discharge device. C. V. Litton. 2,412,997–8; Dec. 24.

Electron discharge device. D. O. North. 2,413,244; Dec. 24.
Electron discharge device. L. P. Smith. 2,413,251; Dec. 24.
Electronic relay. W. F. Wolfner, II. 2,413,020; Dec. 24.
Engine: *See*—
Internal-combustion engine. Rotary engine.
Engine exhaust power system, Supercharged. S. B. Crary. 2,412,970; Dec. 24.
Evaporator unit. B. C. Johnson. 2,413,236; Dec. 24.
Expanding head. A. L. Forbes, Jr. 2,413,103; Dec. 24.
Fats, fatty acids, and waxes, Refining, purifying, and hydrogenating. I. Taussky. 2,413,009; Dec. 24.
Feeder: *See*—
Poultry feeder.
Feeding apparatus, Chemical. A. F. McFarland. 2,413,029; Dec. 24.
Filing apparatus. R. P. Scholfield. 2,413,078; Dec. 24.
Filling valve. C. D. Russell. 2,413,194; Dec. 24.
Finishing textile materials particularly to render the same water repellent. E. Zerner, G. D. M. Davies, and P. I. Poliak. 2,413,024; Dec. 24.
Fire detector cable. L. H. Walbridge. 2,413,125; Dec. 24.
Fire preventing system. J. E. Urbany. 2,413,087; Dec. 24.
Fitting. L. Vaught. 2,413,089; Dec. 24.
Fitting to ropes, Method of applying a. G. H. Bannerman, J. M. Curran, and G. H. Trout. 2,412,941; Dec. 24.
Flame sensitive device. S. G. Eskin. 2,412,977; Dec. 24.
Fluid brake. H. M. Ackerman. 2,413,162; Dec. 24.
Fluid compositions containing copolymers of tetrafluoroethylene and ethylene. K. L. Berry. 2,412,960; Dec. 24.
Fluid meter. W. H. De Lancey. 2,413,034; Dec. 24.
Folding seat. J. L. Caffrey. 2,413,168; Dec. 24.
Foot actuated switch. V. E. C. Martin. 2,413,148; Dec. 24.
Frequency control. H. Suter. 2,413,263; Dec. 24.
Fuel, High-compression motor. R. I. Stirton. 2,413,262; Dec. 24.
Fuel injection pump. W. E. Sheehan. 2,413,115; Dec. 24.
Furnace: *See*—
Electric glass melting furnace. Rotary forge furnace.
Rotary furnace.
Furnace wall. L. H. Hosbein. 2,413,183; Dec. 24.
Furnaces, Operating reduction-melting. J. E. Carter and R. K. Gensler. 2,413,215; Dec. 24.
Garment hanger. E. P. Elston. 2,413,221; Dec. 24.
Generator: *See*—
Signal generator.
Glass rack construction. S. R. Edins. 2,413,039; Dec. 24.
Grater, Plastic. A. A. Nu Dell. 2,413,151; Dec. 24.
Grease pump. A. L. Grisé. 2,413,044; Dec. 24.
Greases. R. A. Swenson. 2,413,121–2; Dec. 24.
Grenade. F. Short. 2,413,004; Dec. 24.
Grip, Trouser waist. A. D. Grisanti. 2,413,180; Dec. 24.
Guard mechanism. V. R. Tinsler and H. L. Brock. 2,413,266; Dec. 24.
Gun charging mechanism. G. A. Goepfrich. 2,413,104; Dec. 24.
Gun, Rodent. H. H. Jucksch. 2,413,143; Dec. 24.
Gun turret. G. W. Pontius, III., and F. V. Kuzmitz. 2,413,114; Dec. 24.
Hamburger patty maker. H. H. Holly. 2,413,046; Dec. 24.
Handle for steering wheels, Adjustable operating. E. A. Anderson. 2,413,132; Dec. 24.
Hanger: *See*—
Garment hanger.
Heater: *See*—
Milk bottle heater.
High-frequency baking apparatus. V. W. Sherman. 2,413,003; Dec. 24.
Holder: *See*—
Electrode holder. Lipstick holder.
Hydrocarbon liquid, Conversion of heavy. E. Hene. 2,412,983; Dec. 24.
Hydrocarbon material with an alkali or alkaline earth metal, Refining unsaturated. F. J. Soday. 2,413,254; Dec. 24.
Hydrocarbon sulfonates, Production of aliphatic. R. C. Taylor. 2,413,199; Dec. 24.
Hydrocarbons, Alkylation of. G. B. Hatch, E. F. Pevere, L. A. Clarke, and F. H. Bruner. 2,413,105; Dec. 24.
Hydrocarbons, Catalytic treatment of. H. R. Warrick. 2,413,271; Dec. 24.
Hydrocarbons with acid-acting metallic halides, Refining of aromatic. F. J. Soday. 2,413,260; Dec. 24.
Hydrogen sulfide determination, Method and apparatus for. W. E. Stackhouse. 2,413,261; Dec. 24.
Indene, Purification of. F. J. Soday. 2,413,253; Dec. 24.
Indicator: *See*—
Aircraft attitude indicator.
Automatic pilot directional turn indicator.
Inductance core composition. H. J. Benner and A. M. Hadley. 2,413,098; Dec. 24.
Internal-combustion engine. R. Daub. 2,412,952; Dec. 24.
Jack: *See*—
Trail jack.
Keying arrangement. E. O. Willoughby. 2,413,018; Dec. 24.
Lens inspecting and layout device. J. A. Stewart. 2,413,198; Dec. 24.
Lens, Transparent lid and integral. R. E. Smith. 2,413,252; Dec. 24.
Lifting jack device. T. W. Murray. 2,413,242; Dec. 24.
Lining for metal containers, Film-forming resinous. A. H. Warth and I. F. Bulatkin. 2,413,093; Dec. 24.
Lipstick holder. A. S. Mackey. 2,412,999; Dec. 24.
Liquid stable at low temperatures. F. M. Clark. 2,413,170; Dec. 24.
Loading machine. W. G. Van Voorhis. 2,413,124; Dec. 24.
Loading machine, Portable. E. Barker. 2,413,095–7; Dec. 24.
Lock: *See*—
Vehicle lock.
Locomotive. C. K. Steins. 2,413,119; Dec. 24.
Logging apparatus. J. L. Hurd. 2,413,048; Dec. 24.
Loom. G. W. B. Rickelmann. 2,413,155; Dec. 24.
Lubricants, etc. J. M. Musselman and H. P. Lankelma. 2,413,188; Dec. 24.
Lubrication. F. E. Reagan. 2,413,069; Dec. 24.
Machine for cutting metal workpieces, Blowtorch. T. L. Urquhart. 2,413,088; Dec. 24.
Machine tool control. F. A. Barnes. 2,412,957; Dec. 24.
Mattress construction. A. Auerbach. 2,412,953; Dec. 24.
Measuring and control apparatus. W. P. Wills. 2,413,128; Dec. 24.
Measuring and controlling apparatus. A. H. Swanson. 2,413,120; Dec. 24.
Measuring and dispensing apparatus, Liquid. J. A. Logan. 2,413,057; Dec. 24.
Measuring apparatus. J. C. Naegele. 2,413,065; Dec. 24.
Measuring system and triangular wave generator for use therein. W. A. Miller. 2,413,063; Dec. 24.
Mechanical movement. R. I. N. Weingart. 2,413,203; Dec. 24.
Mechanical vibrations, Producing. E. E. Turner, Jr. 2,413,012; Dec. 24.
Metal aluminate adsorbents and making same. W. A. La Lande, Jr. 2,413,184; Dec. 24.
Metal-free phthalocyanine coloring matter, Manufacture of. F. S. Palmer and P. F. Gross. 2,413,191; Dec. 24.
Metal halides from fluids, Removal of volatile. W. A. La Lande, Jr. 2,413,185; Dec. 24.
Metal repair structure. A. G. Dean. 2,412,973; Dec. 24.
Metal treating apparatus. K. J. Yost. 2,413,094; Dec. 24.
Meter: *See*—
Fluid meter.
Method. W. L. Ruigh. 2,413,000; Dec. 24.
Methyl silicon halides and their production. J. F. Hyde. 2,413,049; Dec. 24.
Milk bottle heater. E. T. Deaton. 2,413,176; Dec. 24.
Molding compositions. W. S. Traylor and D. R. Wiggam. 2,413,011; Dec. 24.
Motion pictures, Projecting. F. Waller and W. R. Dresser. 2,413,269; Dec. 24.
Motor control, Electronic. J. B. Reeves. 2,413,070; Dec. 24.
Motor protector. M. C. Harrold. 2,412,981; Dec. 24.
Mounting: *See*—
Spectrometer prism mounting.
Mounting for automotive motor and transmission assembly. B. A. Swennes and L. E. Shelton. 2,413,264; Dec. 24.
Multiple rectifier cooling system. C. A. Kotterman. 2,412,989; Dec. 24.
Musical chime construction. G. R. Fish. 2,412,978; Dec. 24.
Needles, Threading. B. T. Wall. 2,413,014; Dec. 24.
Nozzle, Injection. W. E. Snowden and H. F. Raynor. 2,413,083; Dec. 24.
Nozzle, Sandblast. J. R. Bugley. 2,413,167; Dec. 24.
Oil feed pump by minute drop-like volume, Positive. A. Burger. 2,413,136; Dec. 24.
Oleoresins, Refining of pyrethrum. W. E. Kuhn. 2,413,107; Dec. 24.
1,5-bis(1-amino-3,5-dioxacyclohexyl) 2,4 dioxapentane. M. Senkus. 2,413,250; Dec. 24.
1,5-bis-(1-nitro-3,5-dioxacyclohexyl)-2,4 dioxapentane. M. Senkus. 2,413,249; Dec. 24.
Opener, Can. S. Bloomfield. 2,412,946; Dec. 24.
Organic fibrous material and composition therefor, Flameproof. O. C. Bacon. 2,413,163; Dec. 24.
Oven control, Drying. O. O. Kruse. 2,412,990; Dec. 24.
Parachute dummy. W. U. Hohwieler. 2,413,230; Dec. 24.
Pen, Retractile fountain. O. M. Johnson. 2,413,234; Dec. 24.
Petard missile. J. H. Church and W. W. Thibodeau. 2,412,967; Dec. 24.
Photoelectric sound head, Horizontally and vertically adjustable. M. M. Iborra. 2,413,051; Dec. 24.
Photoelectric tube and manufacture. R. W. Engstrom. 2,413,222; Dec. 24.
Photographic apparatus. S. C. Coroniti. 2,413,218; Dec. 24.
Photographic emulsion for transport, Preparing. T. T. Baker. 2,413,207; Dec. 24.
Phthalocyanine sulfonhydrazines. A. L. Fox. 2,413,224; Dec. 24.
Pickup arm. A. F. Worsham. 2,413,206; Dec. 24.

Pin: *See*—
Decorative bar pin.
Pipe coupling. A. C. Kelle. 2,413,106; Dec. 24.
Piperylene, Purifying. F. J. Soday. 2,413,257; Dec. 24.
Piston and connecting rod thereof. R. C. Luedtke. 2,413,059; Dec. 24.
Piston and cylinder assembly. R. E. Dunnebeck. 2,412,975; Dec. 24.
Plastic compositions of polyvinyl ester and wax. G. J. Manson. 2,413,239; Dec. 24.
Pocket, Garment. J. M. Haggar. 2,413,141; Dec. 24.
Polyamines and preparing them. M. Senkus. 2,413,248; Dec. 24.
Polymeric materials. A. W. Larchar. 2,412,993; Dec. 24.
Polystyrene-type resins plasticized with high boiling fatty acid alkyl esters. F. J. Soday. 2,413,258; Dec. 24.
Polyvinyl acetal maleates and making same. F. E. Wilson, G. J. Esselen, and G. F. D'Alelio. 2,513,275; Dec. 24.
Poultry feeder. J. J. Carmo. 2,412,951; Dec. 24.
Press: *See*—
Rotary printing press. Scrap metal baling press.
Pressure controlling mechanism, Cabin. L. A. Maxson. 2,413,027; Dec. 24.
Pressure in silencers, Reducing back. J. P. Tyskewicz. 2,413,086; Dec. 24.
Protector: *See*—
Motor protector.
Pump: *See*—
Clutch driven hydraulic pump. Fuel injection pump.
Grease pump.
Pump for hydraulic systems, Multiple. H. J. McGovern. 2,413,240; Dec. 24.
Pumping unit, Fuel. D. C. Elliot. 2,413,040; Dec. 24.
Radiator. P. E. Grandmont and L. C. Werner. 2,413,179; Dec. 24.
Radio communication system. G. L. Hollingsworth and R. C. Jensen. 2,413,182; Dec. 24.
Radio direction finder system. H. C. Baumann. 2,412,959; Dec. 24.
Radio receiving system. G. J. Lehmann. 2,412,994; Dec. 24.
Radio transmission and monitoring system. E. Labin. 2,412,991; Dec. 24.
Raft, Life. M. Hallward. 2,413,226; Dec. 24.
Rake, Garden and lawn. H. I. Gould. 2,412,980; Dec. 24.
Range finder for cameras, Lens coupled. F. P. Willcox. 2,413,017; Dec. 24.
Rayon, Production of. W. F. Underwood. 2,413,123; Dec. 24.
Recording and reproducing head for magnetic recording. W. B. Latchford and L. C. Holmes. 2,413,108; Dec. 24.
Rectifiers, Making selenium. A. von Hippel. 2,413,013; Dec. 24.
Reel: *See*—
Thread-advancing reel.
Reel for harvesters, Pickup. H. C. Sage. 2,413,072; Dec. 24.
Refractometer for chemical reactions. R. B. Barnes. 2,413,208; Dec. 24.
Refrigerator liner construction. B. C. Johnson. 2,413,233; Dec. 24.
Relay. F. A. Cox. 2,412,968; Dec. 24.
Relay system, Radiation sensitive. J. R. Schick. 2,413,076; Dec. 24.
Remote control for evaporative coolers. W. W. McReynolds. 2,413,150; Dec. 24.
Remote control frequency selector system. J. M. Brian. 2,413,211; Dec. 24.
Resins plasticized with high boiling aromatic oils, Polyacrylic and polymethacrylic. F. J. Soday. 2,413,259; Dec. 24.
Resistive device and making. C. J. Ganci. 2,413,043; Dec. 24.
Reversible garment construction. J. L. Kleinman. 2,412,988; Dec. 24.
Riboflavin concentrates, Preparation of. A. Leviton. 2,413,055; Dec. 24.
Riveting machine, Movable anvil. L. A. Ward and E. D. Taylor. 2,413,270; Dec. 24.
Roll, Fireproof wiper. R. A. Larson. 2,413,146; Dec. 24.
Roll forming and delivery apparatus, Sliver. G. S. Fraser. 2,413,042; Dec. 24.
Rolls, Stretching. A. M. Saum. 2,413,073; Dec. 24.
Rosin hydrocarbons, Preparing. N. L. Kalman. 2,413,052; Dec. 24.
Rotary engine. L. S., K. R., and F. L. Brown. 2,412,949; Dec. 24.
Rotary forge furnace. W. M. Hepburn and W. O. Owen. 2,413,228; Dec. 24.
Rotary furnace. K. D. Hoke. 2,413,231; Dec. 24.
Rotary printing press. C. S. Crafts and C. A. Harless. 2,413,174; Dec. 24.
Rubber amines, Forming. F. C. Bersworth. 2,412,942; Dec. 24.
Rubber, Vulcanization of. W. H. Hill. 2,412,984–5; Dec. 24.
Salts, Lubricant containing alkyl piperidine. G. E. Barker. 2,412,956; Dec. 24.
Sander, Hand. M. C. Lawrence. 2,413,147; Dec. 24.
Scale, Letter. R. M. Bowman. 2,413,166; Dec. 24.
Scrap metal baling press. G. W. Langford and A. C. Barrows. 2,413,054; Dec. 24.
Seat: *See*—
Folding seat.
Sewing-machine accessory. J. W. and J. P. Murphy. 2,413,064; Dec. 24.
Sharpener, Knife. E. E. Case. 2,413,169; Dec. 24.
Sharpening device. S. Tarapczynski. 2,413,156; Dec. 24.
Shield for sanding drum slots. T. L. Bonkowski. 2,413,165; Dec. 24.
Shield or shade, Eye. I. L. Robblee. 2,413,193; Dec. 24.
Ship propulsion. R. Cote. 2,413,173; Dec. 24.
Shoe cleat. A. B. de Stefano. 2,413,177; Dec. 24.
Shoe preserver. M. H. Rice. 2,413,071; Dec. 24.
Signal generator. R. C. Hergenrother. 2,413,181; Dec. 24.
Signaling apparatus, Counting relay. L. V. Lewis. 2,413,110; Dec. 24.
Slicer, Potato. P. B. Witmer. 2,413,160; Dec. 24.
Slicing machine. T. C. Brookhart and D. A. Meeker. 2,412,962; Dec. 24.
Snap action switch. W. J. Aitken. 2,413,130; Dec. 24.
Soap, Manufacture of milled. J. Garvey. 2,412,979; Dec. 24.
Solar still with nonfogging window. W. R. P. Delano. 2,413,101; Dec. 24.
Solid contact material, Production of. J. R. Bates and H. A. Shabaker. 2,412,958; Dec. 24.
Solution of cellulose acetate, Dry casting. G. W. Brant. 2,412,947; Dec. 24.
Spacer and seal for building construction. G. A. Unverferth. 2,413,268; Dec. 24.
Spectrometer prism mounting. W. H. Avery. 2,412,940; Dec. 24.
Spectrophotometer. S. W. Seeley. 2,413,080; Dec. 24.
Spindle adjustment means. E. S. Wood. 2,413,092; Dec. 24.
Spindle, Collapsible and expansible. H. C. Wolfenden. 2,413,091; Dec. 24.
Spinning process. F. B. Cramer. 2,412,969; Dec. 24.
Splint, Traction. J. Kolarik. 2,413,053; Dec. 24.
Squeezer, Fruit juice. C. A. Feltman. 2,413,178; Dec. 24.
Stabilizing means for tension elements hanging with sag to sustain loading between supports. M. R. Wolfard. 2,413,019; Dec. 24.
Stand: *See*—
Tire handling stand.
Starting mechanism, Engine. H. D. Hoekstra. 2,413,045; Dec. 24.
Stiffening composition, Felt hat body. A. E. Hodshon and H. H. Tucker. 2,413,229; Dec. 24.
Storage tank and constructing same. W. Neff. 2,413,243; Dec. 24.
Stretcher for crochet mats. A. C. Ferguson. 2,413,041; Dec. 24.
Styrene and methyl styrene, Refining. F. J. Soday. 2,413,255; Dec. 24.
Supply apparatus for burners, Fluid. W. H. De Lancey. 2,413,035; Dec. 24.
Support: *See*—
Bust support.
Surface active agents. E. Zerner and W. Kaplan. 2,413,161; Dec. 24.
Surveying instrument, Well. W. H. Emerson and D. Hering. 2,412,976; Dec. 24.
Suturing assembly and method. E. M. Jones and F. W. Stein. 2,413,142; Dec. 24.
Swing. E. H. Hurley. 2,413,232; Dec. 24.
Switch: *See*—
Disconnecting switch. Snap action switch.
Electric switch. Thermostatic switch.
Foot actuated switch.
Switch. D. G. Clifford and E. C. Okress. 2,413,171; Dec. 24.
Synchronizer, Engine. H. M. McCoy. 2,413,028; Dec. 24.
System for geophysical exploration. E. M. Shook and R. W. Olson. 2,413,116; Dec. 24.
System for machine guns, Recharging. J. G. Mejean and J. C. Daninos. 2,413,241; Dec. 24.
System for plural traction motors, Antislippage. H. S. Ogden. 2,413,190; Dec. 24.
Telegraph switching system. W. M. Bacon and W. R. Young, Jr. 2,412,955; Dec. 24.
Television signals, Method and system for developing. O. H. Schade. 2,413,075; Dec. 24.
Tension of warp beams of looms, Method and apparatus for mounting and controlling. M. P. Epstein and C. R. Barton. 2,413,223; Dec. 24.
Terminal fitting for stranded-wire structure, Detachable. A. E. Brickman. 2,412,948; Dec. 24.
Therapeutic bath, Automatic plural temperature timing. R. E. Schurtz. 2,413,002; Dec. 24.
Thermostat. W. B. Griffith. 2,413,140; Dec. 24.
Thermostat. M. A. Schwartz. 2,413,079; Dec. 24.
Thermostatic switch. G. W. Crise. 2,413,100; Dec. 24.
Thread-advancing reel. L. A. Corey. 2,413,217; Dec. 24.
Thread controlling means for sewing machines. F. F. Zeier. 2,413,277; Dec. 24.

Tire handling stand. O. V. Teegarden. 2,413,010; Dec. 24.
Toluene, Azeotropic distillation. H. C. Reed and B. M. Holt. 2,413,245; Dec. 24.
Tool kit, Pocket. J. A. Skaer. 2,413,082; Dec. 24.
Torpedo control by multiple channel selector. E. S. Purington. 2,413,066; Dec. 24.
Torpedo control by timing selector. E. S. Purington. 2,413,067; Dec. 24.
Torsion rod spring suspension. W. M. Brown. 2,413,212; Dec. 24.
Toy gun. M. Winans. 2,413,090; Dec. 24.
Toy house. A. A. Nu Dell. 2,413,152; Dec. 24.
Trail jack. T. O. Davidson. 2,412,971; Dec. 24.
Transformer means, High potential current. A. C. Schwager. 2,413,195; Dec. 24.
Transformer, Radio-frequency. J. E. Tillman. 2,413,201; Dec. 24.
Trigatron tube. C. E. Dawley. 2,413,175; Dec. 24.
Trolley wire connector. P. H. McKee and C. V. Siler. 2,413,061; Dec. 24.
Trunk-piston body. E. Porter. 2,413,154; Dec. 24.
Tube: *See*—
Trigatron tube.
Tumbler washer. N. Bullock. 2,412,950; Dec. 24.
Turbine, Internal-combustion. A. A. Griffith. 2,413,225; Dec. 24.
Utensil, Cooking. A. A. Wolff. 2,413,204; Dec. 24.
Vacuum tube connection. R. B. Hoffman. 2,412,987; Dec. 24.
Vacuum tubes connection. E. Labin and R. B. Hoffman. 2,412,992; Dec. 24.
Valve: *See*—
Filling valve.
Valve with oven valve lock attachment, Master safety. W. R. Jones. 2,413,237; Dec. 24.
Vane for unit heaters, Air deflector. B. Spieth. 2,413,118; Dec. 24.
Vegetables for shipment, Packing leafy. W. H. Wilson. 2,413,129; Dec. 24.
Vehicle lock. R. E. Marine. 2,413,025; Dec. 24.
Vinyl-acetate polymers, Aqueous dispersions. J. E. Smith and W. A. Drummond. 2,413,197; Dec. 24.
Voltage regulated rectifying system. J. A. Potter. 2,413,033; Dec. 24.
Walking aid. L. Vrooman and S. Smalley. 2,413,202; Dec. 24.
Washer: *See*—
Tumbler washer.
Welding machine, Stud. T. Nelson. 2,413,189; Dec. 24.
Well surveying instrument. G. A. Smith. 2,413,005; Dec. 24.
Wheel: *See*—
Antifriction drive wheel.
Wire drawing method. F. C. Elder and A. W. Harris. 2,413,220; Dec. 24.
Wire garment hanger making machine. W. A. Scroggs. 2,413,196; Dec. 24.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 24, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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D 9— 2: Des. 146,124
D34— 5: Des. 146,105
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D45— 4: Des. 146,115
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D92— 1: Des. 146,107

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Patents Nos. 2,413,279 to 2,413,674

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Plant Patents	1	No. 721	
Patents	396	No. 2,413,279 to No. 2,413,674,	inclusive.
Designs	40	No. 146,125 to No. 146,164,	inclusive.
Total	634		

Adjudicated Patents

(D. C. Ohio.) Feinstein patent, No. 1,594,162, for a heel, *Held* invalid. *Feinstein* v. *I. T. S. Co.*, 68 F. Supp. 15; 69 USPQ 404.

(D. C. Del.) Miller patent, No. 1,799,056, for a coin-controlled apparatus, claim 15 *Held* invalid, but if valid to be infringed. *Duncan Meter Corp.* v. *M. H. Rhodes Inc.*, 68 F. Supp. 89.

Disclaimer

2,242,275.—*Russell H. Varian*, Stanford University, Calif. ELECTRICAL TRANSLATING SYSTEM AND METHOD. Patent dated May 20, 1941. Disclaimer filed Dec. 4, 1946, by the inventor; the assignee, *The Board of Trustees of The Leland Stanford, Jr., University*, concurring.

Hereby enters this disclaimer to claim 1 of the above-mentioned patent.

Notices

DEPENDENT CLAIMS

U. S. PATENT OFFICE, *Washington 25, D. C., Dec. 9, 1946.*

A dependent claim may depend from a preceding dependent claim providing that the claims of any series of dependent claims shall appear in the application in immediate consecutive order, and no dependent claim shall contain direct reference to more than one preceding claim.

To the extent indicated Ex parte Hill 1924 C. D. 21 is modified.

CASPER W. OOMS,
Commissioner.

TRADE-MARKS NOT TO BE USED IN PATENT APPLICATIONS

U. S. PATENT OFFICE, *Washington 25, D. C., Dec. 3, 1946.*

The attention of the Office has been repeatedly called to the use of trade-marks in specifications as common descriptive nouns. Such use is often cause for embarrassment to the party owning the trade-mark.

The relationship between a trade-mark and the composition of the product it identifies is indefinite, uncertain, and arbitrary. The formula of the substance may change from time to time yet continue to be sold under the same trade-mark. In patent specifications, every substance in a composition should be set forth in positive, exact, intelligible language, so that there will be no uncertainty as to what is used. Arbitrary trade-marks which are liable to mean different things at the pleasure of manufacturers do not constitute such language and should not be used in patent applications.

This notice supersedes the notices of April 25, 1934, July 28, 1936, and June 21, 1941.

CASPER W. OOMS,
Commissioner.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business December 6, 1946

(Total number of applications awaiting action, excluding Trade-Mark Division, 132,619; Trade-Mark Division, 11,598. Oldest new case, April 3, 1945; oldest amended, April 27, 1945.)
(The dates given are 1945 except where † indicates 1946.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. GOLDBERG, A. J., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	June 29	Aug. 14	2636
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	Aug. 4	Aug. 31	3126
3. SCHIMMEL, J., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 19	July 4	2013
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Package and Article Carriers; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	Aug. 24	Aug. 24	2501
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	Apr. 12	May 26	3845
6. GENIESSE, E. W., Carbon Chemistry (part)	Nov. 27	Nov. 30	1821
7. HANLIN, GEORGE, Optics, Photography	Nov. 10	Dec. 29	1912
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Aug. 24	Sept. 1	3284
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	July 20	July 11	2145
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Modulators.	Oct. 9	Oct. 9	1450
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Mar. 16	†Mar. 28	734
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 13	July 16	2644
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	June 29	June 28	2106
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 15	Sept. 24	1498
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Nov. 28	Oct. 19	1120
16. LOVEWELL, N. N., Telegraphy; Telephony	Dec. 3	Nov. 7	1239
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 11	June 12	1146
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	June 29	July 7	1886
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Oct. 26	Oct. 26	1688
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	July 23	July 31	2009
21. THOMPSON, T. J., Textiles	†Mar. 11	†Mar. 23	793
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 27	Sept. 27	1978
23. LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 18	Aug. 23	209
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Apr. 4	Apr. 4	1198
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 13	Oct. 8	1451
26. YOUNG, R. R., Electricity—Generation and Motive Power	Aug. 2	Aug. 22	1937
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 17	July 18	2084
28. SOLOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	June 6	June 7	1541
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	Aug. 21	Aug. 20	2261
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Sept. 15	Sept. 14	2296
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils.	May 20	May 17	790
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Oct. 9	Oct. 11	2174
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Sept. 11	Aug. 20	3073
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Sept. 7	Sept. 20	1264
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 22	Oct. 20	2031
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	June 13	June 6	1698
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 3	Oct. 9	1296
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part); Ornamentation	Oct. 20	Oct. 19	1396
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	June 16	June 13	2429
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 27	Nov. 5	2573
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 8	Sept. 4	793
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Dec. 21	Nov. 19	967
43. STONE, I. G., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 7	Sept. 15	1133
44. HARVEY, L. P., Refrigeration; Preserving	May 19	June 22	1227
45. LISANN, I., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 9	Aug. 10	2489
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 22	Oct. 15	1513
47. KANOF, WM. J., Brakes: Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Nov. 1	Oct. 22	2709
48. BERNSTEIN S., Electricity, General Applications; Electric Igniters	May 29	June 16	1944
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Sept. 4	Sept. 6	1535
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 29	Nov. 29	2283
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae)	Aug. 17	Aug. 20	2229
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	Aug. 31	Sept. 14	3038
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 7	May 31	3611
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 23	Aug. 14	2090
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Sept. 15	1738
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Oct. 2	Oct. 9	1385
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	May 15	June 20	2908
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	†Jan. 25	†Jan. 26	1367
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 25	July 9	2035
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Aug. 14	Nov. 21	1783
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Aug. 8	Aug. 4	2572
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	Apr. 3	Apr. 27	3725
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 10	Aug. 18	1934
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	May 2	May 2	1006
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Aug. 2	July 31	2248
Trade-Marks: RICHMOND, F. A.	†Jan. 21	†June 25	11598
Design: KALUPY, H. H.	†Jan. 2	†Aug. 12	7079

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

HALLIBURTON OIL WELL CEMENTING COMPANY
v.
WALKER ET AL.

No. 24. Decided November 18, 1946
[— U. S. —; 71 USPQ 175]

1. CERTIORARI.
The requirement in section 4888 R. S. for distinctness and certainty in claims being important in patent law, certiorari granted to consider whether it was correctly applied in the case at bar.

2. CLAIMS—INDEFINITE.
Where the patent on a machine for measuring the distance to the fluid surface in deep oil wells, on which Walker brought suit, showed apparatus to inject pressure impulses into the well and to receive, note, record, and time the impulse waves, wherein was incorporated his contribution of a tuned mechanical acoustical resonator; but none of the claims on which the judgment rested "suggested the physical structure of the acoustical resonator," described its physical relation to the old apparatus, or described the manner in which they operate together "so as to make the 'new' unitary apparatus perform its designed function," *Held* that those claims "failed adequately to depict the structure, mode, and operation of the parts in combination."

3. SAME—SAME—FUNCTIONAL—SECTION 4888 R. S.
Such a claim as recites the resonator contributed by Walker and its relation with the rest of the apparatus as "means associated with said pressure responsive device for tuning said receiving means to the frequency of echoes from the tubing collars of said tubing section to clearly distinguish the echoes of said couplings from each other," and "thus describes this most crucial element in the 'new' combination in terms of what it will do rather than in terms of its own physical characteristics or its arrangement in the new combination apparatus," *Held* invalid as a violation of section 4888 R. S.

4. SAME—SAME—SAME—SAME.
Both claims to a product, and claims to a combination embodying old elements only, that use "conveniently functional language at the exact point of novelty," *Held* to run afoul of section 4888 R. S.

5. SAME—SECTION 4888 R. S.—"MACHINE"—COMBINATION OF OLD ELEMENTS.
The word "machine" as used in section 4888 R. S. includes a combination, and the public and those affected by patents should not lose the protection of this statute merely because a patented device is a combination of old elements.

6. SAME—SAME—SAME—SAME—ABUSE OF PATENTS.
"Patents on machines which join old and well-known devices with the declared object of achieving new results, or patents which add an old element to improve a pre-existing combination, easily lend themselves to abuse. And to prevent extension of a patent's scope beyond what was actually invented, courts have viewed claims to combinations and improvements or additions to them with very close scrutiny. Cf. *Lincoln Engineering Co.* v. *Stewart Warner Corp.*, 490 O. G. 3, 303 U. S. 545, 549–51. For the same reason, courts have qualified the scope of what is means by the equivalent of an ingredient of a combination of old elements. *Gill* v. *Wells*, 22 Wall. 1, 28, 29. *Fuller* v. *Yentzler*, 11 O. G. 551, 94 U. S. 288, 297, 298. It is quite consistent with this strict interpretation of patents for machines which combine old elements to require clear description in combination claims."

7. SAME—INDEFINITE—FUNCTIONAL—SECTION 4888 R. S.
Held that if Walker had accurately described the resonator together with the old apparatus "and sued for infringement, charging the use of something else used in combination to accent the waves, the alleged infringer could have prevailed if the substituted device (1) performed a substantially different function; (2) was not known at the date of Walker's patent as a proper substitute for the resonator; or (3) had been actually invented after the date of the patent"; and that "if we are to be consistent wih Rev. Stat. 4888, a patentee cannot obtain greater coverage by failing to describe his invention than by describing it as the statute commands."

ON WRIT of certiorari to the United States Circuit Court of Appeals for The Ninth Circuit. Reversed.

Mr. Justice FRANKFURTER concurring with opinion.

Mr. Justice BURTON dissenting without opinion.

Mr. Earl Babcock (*Mr. Harry C. Robb* on the brief) for Halliburton Oil Well Cementing Company.

Mr. Harold W. Mattingly for Walker et al.

Mr. Justice BLACK delivered the opinion of the Court.

[1] Cranford P. Walker, owner of Patent No. 2,156,159, and the other respondents, licensees under the patent, brought this suit in a Federal district court alleging that petitioner, Halliburton Oil Well Cementing Company, had infringed certain of the claims of the Walker patent. The district court held the claims in issue valid and infringed by Halliburton. The circuit court of appeals affirmed, 146 F.2d 817, and denied Halliburton's petition for rehearing, 149 F.2d 896. Petitioner's application to this Court for certiorari urged, among other grounds, that the claims held valid failed to make the "full, clear, concise, and exact" description of the alleged invention required by R. S. 4888, 35 U. S. C. § 33,[1] as that statute was interpreted by us in *General Electric Co.* v. *Wabash Electric Co.*, 304 U. S. 364, 491 O. G. 463.[2] This statutory requirement of distinctness and certainty in claims is important in patent law. We granted certiorari to consider whether it was correctly applied in this case. 326 U. S. 705.[3]

[1] "33. *Application for Patent; Description; Specification and Claim.*—Before any inventor or discoverer shall receive a patent for his invention or discovery he shall make application therefor, in writing to the Commissioner of Patents, and shall file in the Patent Office a written description of the same, and of the manner and process of making, constructing, compounding, and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it appertains, or with which it is most nearly connected, to make, construct, compound, and use the same; and in case of a machine he shall explain the principle thereof, and the best mode in which he has contemplated applying that principle, so as to distinguish it from other inventions; and he shall particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention or discovery . . ."

[2] Other alleged errors were urged in the application for certiorari and have been argued here, but since we find the question of definiteness of the claim decisive of the controversy, we shall not further advert to the other contentions.

[3] This case was previously affirmed by a divided Court, 326 U. S. 696, and upon petition for rehearing was restored to the docket for reargument. — U. S. —.

The patent in suit was sustained as embodying an improvement over a past patent of Lehr and Wyatt (No. 2,047,974) upon an apparatus designed to facilitate the pumping of oil out of wells which do not have sufficient natural pressures to force the oil to gush. An outline of the background and setting of these patents is helpful to an understanding of the problem presented.

In order to operate a pump in an oil well most efficiently, cheaply, and with the least waste, the pump must be placed in an appropriate relationship to the fluid surface of the oil. Properly to place the pump in this relationship requires knowledge of the distance from the well top to the fluid surface. At least by the latter 1920's problems of waste and expense in connection with non-gusher oil wells pressed upon the industry. See *Railroad Comm'n. of Texas* v. *Rowan and Nichols Oil Co.*, 310 U. S. 573; *Burford* v. *Sun Oil Co.*, 319 U. S. 315. It became apparent that inefficient pumping, one cause of waste, was in some measure attributable to lack of accurate knowledge of distance from well top to fluid surface. Ability to measure this distance in each separate non-gusher oil well became an obvious next step in the solution of this minor aspect of the problem of waste.

The surface and internal machinery and the corkscrew conformation of some oil wells make it impractical to measure depth by the familiar method of lowering a rope or cable. In casting about for an alternative method it was quite natural to hit upon the possibility of utilizing a sound-echo-time method. Unknown distances had frequently been ascertained by this method. Given the time elapsing between the injection of a sound into an oil well and the return of its echo from the fluid surface, and assuming the velocity of the sound to be about 1100 feet per second, as it is in the open air, it would be easy to find the distance. Not only had this sound-echo-time method been long known and generally used to find unknown distances, but in 1898 Batcheller, in Patent No. 602,422, had described an apparatus to find a distance in a tubular space. Obviously an oil well is such a space. He described a device whereby the noise from a gun might be injected into a tube; the returning echoes from obstructions agitated a diaphragm, which in turn moved a stylus. The stylus recorded on a piece of paper a graph or diagram showing the variant movements of the diaphragm caused by its response to all the different echo waves.

In the late 1920's the oil industry began to experiment in the use of this same sound-echo-time method for measuring the distance to the fluid surface in deep oil wells. A product of this experimentation was the Lehr and Wyatt patent, upon which the present patent claims to be an improvement. It proposed to measure the distance by measuring the time of travel of the echo of "an impulse wave" generated by a "sudden change in pressure." The apparatus described included a gas cylinder with a quick operating valve by means of which a short blast of gas could be injected into a well. It was stated in the patent that the time elapsing between the release of the gas and the return of the echo of the waves produced by it could be observed in any desired manner. But the patentee's application and drawings noted that the wave impulses could be recorded by use of a microphone which might include an amplifier and an appropriate device to record a picture of the wave impulses.

This Lehr and Wyatt patent, it is therefore apparent, simply provided an apparatus composed of old and well-known devices to measure the time required for pressure waves to move to and back from the fluid surface of an oil well. But the assumption that sound and pressure waves would travel in oil wells at open-air velocity of 1100 feet per second proved to be erroneous. For this reason the time-velocity computation of Lehr and Wyatt for measuring the distance to the fluid surface produced inaccurate results.

After conferences with Lehr, Walker undertook to search for a method which would more accurately indicate the sound and pressure wave velocity in each well. Walker was familiar with the structure of oil wells. The oil flow pipe in a well, known as a tubing string, is jointed and where these joints occur there are collars or shoulders. There are also one or more relatively prominent projections on the oil flow pipe known as tubing catchers. In wells where the distance to the tubing catcher is known, Walker observed that the distance to the fluid surface could be measured by a simple time-distance proportion formula.[4] For those wells in which the distance to the tubing catcher was unknown, Walker also suggested another idea. The sections of tubing pipe used in a given oil well are generally of equal length. Therefore the shoulders in a given well ordinarily are at equal intervals from each other. But the section length and therefore the interval may vary from well to well. Walker concluded that he could measure the unknown distance to the tubing catcher if he could observe and record the shoulder echo waves. Thus multiplication of the number of shoulders observed by the known length of a pipe section would produce the distance to the tubing catcher. With this distance, he could solve the distance to the fluid surface by the same proportion formula used when the distance to the tubing catcher was a matter of record. The Lehr and Wyatt instrument could record all these echo waves. But the potential usefulness of the echoes from the shoulders and the tubing catcher which their machine recorded had not occurred to Lehr and Wyatt

[4] The known distance from well top to the tubing catcher is to the unknown distance from well top to the fluid surface as the time an echo requires to travel from the tubing catcher is to the time required for an echo to travel from the fluid surface.

Walker's patent emphasizes that his invention solves the velocity of sound waves in wells of various pressures in which sound did not travel at open-air or a uniform speed. Mathematically, of course, his determination of the distance by proportions determines the distance to the fluid surface directly without necessarily considering velocity in feet per second as a factor.

and consequently they had made no effort better to observe and record them. Walker's contribution which he claims to be invention was in effect to add to Lehr and Wyatt's apparatus a well-known device which would make the regularly appearing shoulder echo waves more prominent on the graph and easier to count.

The device added was a mechanical acoustical resonator. This was a short pipe which would receive wave impulses at the mouth of the well. Walker's testimony was, and his specifications state, that by making the length of this tubal resonator one-third the length of the tubing joints, the resonator would serve as a tuner, adjusted to the frequency of the shoulder echo waves. It would simultaneously amplify these echo waves and eliminate unwanted echoes from other obstructions thus producing a clearer picture of the shoulder echo waves. His specifications show, attached to the tubal resonator, a coupler, the manipulation of which would adjust the length of the tube to one-third of the interval between shoulders in a particular well. His specifications and drawings also show the physical structure of a complete apparatus, designed to inject pressure impulses into a well, and to receive, note, record and time the impulse waves.

The district court held the claims here in suit valid upon its finding that Walker's "apparatus differs from and is an improvement over the prior art in the incorporation in such apparatus of a tuned acoustical means which performs the functions of a sound filter . . ." The circuit court of appeals affirmed this holding, stating that the trial court had found "that the only part of this patent constituting invention over the prior art is the 'tuned acoustical means which performs the functions of a sound filter.'"

For our purpose in passing upon the sufficiency of the claims against prohibited indefiniteness we can accept without ratifying the findings of the lower court that the addition of "a tuned acoustical means" performing the "functions of a sound filter" brought about a new patentable combination, even though it advanced only a narrow step beyond Lehr and Wyatt's old combination.[5] We must, however, determine whether, as petitioner charges, the claims here held valid run afoul of R. S. 4888 because they do not describe the invention but use "conveniently functional language at the exact point of novelty." *General Electric Co.* v. *Wabash Electric Co.*, supra, at 371.

[2][3][4] Walker, in some of his claims, e. g., claims 2 and 3, does describe the tuned acoustical pipe as an integral part of his invention, showing its structure, its working arrangement in the alleged new combination, and the manner of its connection with the other parts. But no one of the claims on which this judgment rests has even suggested the physical structure of the acoustical resonator.[6] No one of these claims describes the physical relation of the Walker addition to the old Lehr and Wyatt machine. No one of these claims describes the manner in which the Walker addition will operate together with the old Lehr and Wyatt machine so as to make the "new" unitary apparatus perform its designed function. Thus the claims failed adequately to depict the structure, mode, and operation of the parts in combination.

A claim typical of all of those held valid only describes the resonator and its relation with the rest of the apparatus as "means associated with said pressure responsive device for tuning said receiving means to the frequency of echoes from the tubing collars of said tubing section to clearly distinguish the echoes of said couplings from each other."[7] The language of the claim thus describes this most crucial element in the "new" combination in terms of what it will do rather than in terms of its own physical characteristics or its arrangement in the new combination apparatus. We have held that a claim with such a description of a product is invalid as a violation of R. S. 4888. *Holland Furniture Co.* v. *Perkins Glue Co.*, 277 U. S. 245, 256–57, 372 O. G. 517; *General Electric Co.* v. *Wabash Electric Co.*, supra. We understand that the circuit court of appeals held that the same rigid standards of description required for product claims is not required for a combination patent embodying old elements only. We have a different view.

[5] R. S. 4888 pointedly provides that "in the case of a machine, he [the patentee] shall explain the principle thereof, and the best mode in which he has contemplated applying the principle, so as to distinguish it from other inventions; and he shall particularly point out and distinctly claim the part, improvement, or combination which he claims as his invention or discovery." It has long been held that the word "machine" includes a combination. *Corning et al.* v. *Burden*, 15 How. 252, 267. We are not persuaded that the public and those affected by patents should lose the protection of this statute merely because the patented device is a combination of old elements.

[6] Patents on machines which join old and well-known devices with the declared object of

[5] See *Hailes* v. *Van Wormer*, 20 Wall. 353; *Knapp* v. *Morss*, 150 U. S. 221, 227–28, 65 O. G. 1593; *Textile Machine Works* v. *Louis Hirsch Textile Machines, Inc.*, 302 U. S. 490, 487 O. G. 431; *Lincoln Engineering Co.* v. *Stewart Warner Corp.*, 303 U. S. 545, 549–50, 490 O. G. 3.

[6] Halliburton does not challenge the adequacy of the description of any other features of the "new combination." The elements of Walker's apparatus other than the filter are so nearly identical to what Lehr and Wyatt patented that we can speak of these other elements as the "Lehr and Wyatt machine."

[7] Both parties have used claim 1 as a typical example for purposes of argument throughout the litigation. Other claims need not be set out. Claim 1 is as follows:

"In an apparatus for determining the location of an obstruction in a well having therein a string of assembled tubing sections interconnected with each other by coupling collars, means communicating with said well for creating a pressure impulse in said well, echo receiving means including a pressure responsive device exposed to said well for receiving pressure impulses from the well and for measuring the lapse of time between the creation of the impulse and the arrival at said receiving means of the echo from said obstruction, and means associated with said pressure responsive device for tuning said receiving means to the frequency of echoes from the tubing collars of said tubing sections to clearly distinguish the echoes from said couplings from each other."

achieving new results, or patents which add an old element to improve a pre-existing combination, easily lend themselves to abuse. And to prevent extension of a patent's scope beyond what was actually invented, courts have viewed claims to combinations and improvements or additions to them with very close scrutiny. Cf. *Lincoln Engineering Co.* v. *Stewart Warner Corp.*, 303 U. S. 545, 549–51, 490 O. G. 3. For the same reason, courts have qualified the scope of what is meant by the equivalent of an ingredient of a combination of old elements. *Gill* v. *Wells*, 22 Wall. 1, 28, 29. *Fuller* v. *Yentzler*, 94 U. S. 288, 297, 298, 11 O. G. 551. It is quite consistent with this strict interpretation of patents for machines which combine old elements to require clear description in combination claims. This view, clearly expressed in *Gill* v. *Wells*, supra, is that

"Where the ingredients are all old the invention . . . consists entirely in the combination, and the requirement of the Patent Act that the invention shall be fully and exactly described applies with as much force to such an invention as to any other class, because if not fulfilled all three of the great ends intended to be accomplished by that requirement would be defeated. . . . (1) That the Government may know what they have granted and what will become public property when the term of the monopoly expires. (2) That licensed persons desiring to practice the invention may know, during the term, how to make, construct, and use the invention. (3) That other inventors may know what part of the field of invention is unoccupied.

"Purposes such as these are of great importance in every case, but the fulfillment of them is never more necessary than when such inquiries arise in respect to a patent for a machine which consists of a combination of old ingredients. Patents of that kind are much more numerous than any other, and consequently it is of the greatest importance that the description of the combination, which is the invention, should be full, clear, concise, and exact." *Gill* v. *Wells*, supra, at 25–26.

These principles were again emphasized in *Merrill* v. *Yeomans*, 94 U. S. 568, 570, 11 O. G. 970, where it was said that ". . . in cases where the invention is a new combination of old devices, he [the patentee] is bound to describe with particularity all these old devices, and then the new mode of combining them, for which he desires a patent." This view has most recently been reiterated in *General Electric Co.* v. *Wabash Electric Co.*, supra, at 368, 369. Cogent reasons would have to be presented to persuade us to depart from this established doctrine. The facts of the case before us, far from undermining our confidence in these earlier pronouncements, reinforce the conclusion that the statutory requirement for a clear description of claims applies to a combination of old devices.

This patent and the infringement proceedings brought under it illustrate the hazards of carving out an exception to the sweeping demand Congress made in R. S. 4888. Neither in the specification, the drawing, nor in the claims here under consideration, was there any indication that the patentee contemplated any specific structural alternative for the acoustical resonator or for the resonator's relationship to the other parts of the machine. Petitioner was working in a field crowded almost, if not completely, to the point of exhaustion. In 1920, Tucker, in Patent No. 1,451,356, had shown a tuned acoustical resonator in a sound detecting device which measured distances. Lehr and Wyatt had provided for amplification of their waves. Sufficient amplification and exaggeration of all the different waves which Lehr and Wyatt recorded on their machine would have made it easy to distinguish the tubing catcher and regular shoulder waves from all others. For, even without this amplification, the echo waves from tubing collars could by proper magnification have been recorded and accurately counted, had Lehr and Wyatt recognized their importance in computing the velocity. Cf. *General Electric Co.* v. *Jewel Incandescent Lamp Co.*, 326 U. S. 242, 582 O. G. 623.

Under these circumstances the broadness, ambiguity, and overhanging threat of the functional claim of Walker become apparent. What he claimed in the court below and what he claims here is that his patent bars anyone from using in an oil well any device heretofore or hereafter invented which combined with the Lehr and Wyatt machine performs the function of clearly and distinctly catching and recording echoes from tubing joints with regularity. Just how many different devices there are of various kinds and characters which would serve to emphasize these echoes, we do not know. The Halliburton device, alleged to infringe, employs an electric filter for this purpose. In this age of technological development there may be many other devices beyond our present information or indeed our imagination which will perform that function and yet fit these claims. And unless frightened from the course of experimentation by broad functional claims like these, inventive genius may evolve many more devices to accomplish the same purpose. See *United Carbon Co. et al.* v. *Binney & Smith Co.*, 317 U. S. 228, 236, 546 O. G. 593; *Burr* v. *Duryee*, 1 Wall. 531, 568; *O'Reilly et al.* v. *Morse et al.*, 15 How. 62, 112–13. Yet if Walker's blanket claims be valid, no device to clarify echo waves, now known or hereafter invented, whether the device be an actual equivalent of Walker's ingredient or not, could be used in a combination such as this, during the life of Walker's patent.

[7] Had Walker accurately described the machine he claims to have invented, he would have had no such broad rights to bar the use of all devices now or hereafter known which could accent waves. For had he accurately described the resonator together with the Lehr and Wyatt apparatus, and sued for infringement, charging the use of something else used in combination to accent the waves, the alleged infringer could have prevailed if the substituted device (1) performed a substantially different function; (2) was not known at the date of Walker's patent as a proper substitute for the resonator; or (3) had been actually invented after the date of the patent. *Fuller* v. *Yentzler*, supra, at 296–97; *Gill* v. *Wells*, supra, at 29. Certainly, if we are to be consistent with R. S. 4888, a patentee cannot obtain greater coverage by failing to describe his invention than by describing it as the statute commands.

It is urged that our conclusion is in conflict with the decision of *Continental Paper Bag Co.* v. *Eastern Paper Bag Co.*, 210 U. S. 405. In that case, however, the claims structurally described the physical and operating relationship of all the crucial parts of the novel combination.[8] The Court there decided only that there had been an infringement of this adequately described invention. That case is not authority for sustaining the claims before us which fail adequately to describe the alleged invention.

Reversed.

Mr. Justice FRANKFURTER concurs with the Court's opinion in so far as it finds this claim lacking in the definiteness required by R. S. 4888, 35 U. S. C. § 33, but reserves judgment as to considerations that may be peculiar to combination patents in satisfying that requirement.

Mr. Justice BURTON dissents.

[8] The typical claim there in suit was as follows:
"2. In a paper bag machine, the combination of the rotating cylinder provided with one or more pairs of side folding fingers adapted to be moved toward or from each other, a forming plate also provided with side forming fingers adapted to be moved toward or from each other, means for operating said fingers at definite times during the formative action upon the bag tube, operating means for the forming plate adapted to cause the said plate to oscillate about its rear edge upon the surface of the cylinder during the rotary movement of said cylinder for the purpose of opening and forming the bottom of the bag tube, a finger moving with the forming plate for receiving the upper sheet of the tube and lifting it during the formative action, power devices for returning the forming plate to its original position to receive a new bag tube, and means to move the bag tube with the cylinder." *Continental Paper Bag Co.* v. *Eastern Paper Bag Co.*, 210 U. S. 405, 417, n. 1.

U. S. Court of Customs and Patent Appeals

IN RE POTTS

No. 5,017. Decided on petition for reconsideration June 27, 1946

[— F.(2d) —; 70 USPQ 401]

PATENTABILITY—PREPARATION OF NITRILES.

Upon reconsideration, certain claims to a method for preparing aliphatic nitriles *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Messrs. Dawson, Booth & Spangenberg (*Mr. Carl C. Batz* of counsel) for Potts.

Mr. W. W. Cochran for the Commissioner of Patents.

GARRETT, *P. J.*:

January 7, 1946, we issued a written decision in this case which is an appeal from the decision of the Board of Appeals of the United States Patent Office sustaining the rejection by the Examiner of five claims, numbered 8 to 12, inclusive, of appellant's application for patent directed to a process of preparing nitriles.

Our decision so issued affirmed the decision of the Board.

In conformity with our practice, the decision was withheld from formal publication pending the exercise of appellant's right to petition for reconsideration.

Appellant filed a petition for reconsideration, and, by permission of the court, filed a brief therewith.

We have reconsidered the case and have concluded that we erred in affirming the decision of the Board.

Accordingly, our original decision is withdrawn and this is presented in lieu thereof.

Claim 9 reads as follows:

9. In a method for preparing aliphatic nitriles in which a fatty substance chosen from a group consisting of fatty acids of at least six carbon atoms and esters thereof is reacted at elevated temperatures with gaseous ammonia, the steps of introducing the vapor of said fatty substance and gaseous ammonia into a reaction chamber and in contact with a dehydrating catalyst, *introducing into contact with the chamber in heat transfer relation with the fatty substance and gaseous ammonia therein a vaporous heating medium having a boiling point between 570° F. and 700° F., said vaporous heating medium when introduced being at a temperature above the boiling point thereof*, whereby the reaction between the vaporous fatty substance and the gaseous ammonia proceeds and takes up heat within the chamber and a portion of the medium is condensed, the latent heat of vaporization of the medium causing heat to be imparted to the reaction chamber while the temperature of the chamber and the products therein is maintained at the boiling point of the medium, and withdrawing the condensate of the medium. [Italics supplied.]

The italicized clause constitutes the limitation upon which appellant relies for patentability, it being connected with the condensation feature as defined in the "whereby" clause immediately following it.

Each of the claims embraces the limitation so emphasized.

Drawings of appellant's application depict an apparatus for carrying out his process, as it is described in the specification. There is disclosed the feeding of fatty acids or esters thereof into a vaporizing chamber having a heating coil with a simultaneous feeding into the chamber of gaseous ammonia which mixes with the vaporized acids. The mixture is heated in the chamber to a temperature of 550° F. and is fed from the chamber into a catalyst chamber where it passes through tubes filled with a catalyst such as Al_2O_3. A heating fluid defined as diphenyl or diphenyl oxide, introduced through a pipe, surrounds the tubes and elevates the temperature of the mixed gases to a range of 570° F. to 700° F. The nitriles produced in the catalyst chamber are passed through a condenser and separator and finally pass out through a pipe, the excess ammonia passing out through another pipe.

The following references were cited: Dow, 1,893,051, Jan. 3, 1933; Nicodemus et al., 2,037,389, Apr. 14, 1936; Ralston et al., 2,061,314, Nov. 17, 1936; Andrews, 2,120,538, June 14, 1938; British patent, 451,594, Aug. 5, 1936.

Concerning the references, the Examiner stated:

The Nicodemus et al. patent of reacting fatty acids or esters with gaseous ammonia in the presence of a dehydration catalyst at 572° F–842° F. to prepare the corresponding nitriles.

The Ralston et al. patent discloses reacting gaseous ammonia with higher fatty acids or esters at a temperature of above 626° F. in the presence of a catalyst, vaporizing off the water, and thus preparing nitriles.

The British patent discloses reacting the vapor of fatty acids or esters with gaseous ammonia in the presence of a dehydration catalyst at temperatures of 608° F. upward to prepare nitriles. A number of examples disclose operation at exact temperatures or within a narrow range such

as 10° C. For instance, Example 7 discloses a "working temperature" of 380° C.

The Dow patent discloses the use of diphenyl oxide admixed with a hydrocarbon as a heat transfer medium.

The Andrews patent discloses an apparatus for catalytic reactions involving an organic raw material reacted with a gas in the presence of a catalyst and providing for use of a liquid heat-transfer medium. [Italics quoted.]

The Board rendered two decisions in the case, its second being upon a request for reconsideration. The following is quoted from its first decision:

In order to maintain the temperature desired in the dehydration zone it is proposed to heat the same with a heat medium having the desired boiling point. Presumably steam at a given high pressure could be used for this purpose but at the high temperatures used the pressure generated would be prohibitive and appellant therefore proposes to use a mixture of diphenyl and diphenyl oxide. The preferred temperatures are between 570° and 700° F. The dehydration of the substance is an endothermic reaction and it is obvious that as the temperature is reduced by the reaction, heat is supplied or released by the vapor of the heating medium undergoing condensation.

Each of the patents to Nicodemus et al., Ralston and the British patent discloses the process of reacting the vapors of higher fatty acids or the esters thereof with gaseous ammonia in contact with a dehydrating catalyst and the temperatures being maintained are substantially the same as set forth here but these patents do not disclose the use of a high boiling point liquid for supplying heat to the dehydration zone. The patent to Dow shows that it is old to use a mixture of high boiling point organic compounds such as diphenyl oxide, pyrene, para-hydroxydiphenyl etc. to obtain a heat transfer medium having a desired boiling point. Since the first three patents mentioned disclose the use of the heat in the dehydration zone we must agree with the Examiner that no invention would be involved in utilizing the heat transfer medium shown in the Dow patent for this purpose.

In the decision on the petition for reconsideration, the Board said:

Appellant contends that the Dow patent contemplates the use of the heat transfer medium in the liquid form rather than in the vaporous form as claimed.

This point is deemed to be immaterial. At the beginning of this patent reference is made to steam and hot water as alternatives in the heat exchange art. For some purpose one is preferable to the other and vice versa. If a high boiling liquid is substituted for water then the same situation would arise. There would be no difficulty in finding a mixture of substances listed in the patent that would be vaporized at the temperatures used.

It is pointed out in appellant's application that, in carrying out the reactions called for by the appealed claims, it is necessary to maintain a substantially constant temperature within the range of 570° F. 700° F., and that as the reaction is endothermic it is necessary that heat be supplied to the reaction zone if the required temperature is to be maintained.

Each of the patents to Nicodemus et al. and Ralston et al. and the British patent discloses the idea of carrying out reactions of the kind called for by the appealed claims at temperatures approximating those set forth in the claims. In view of those disclosures, and of the common practice of supplying heat by a heated fluid circulating medium, as shown by the Dow and Andrews patents there would be no invention, broadly, in maintaining the desired temperature in the processes disclosed in the Nicodemus et al., Ralston et al, and British patents by means of a circulating fluid medium.

The appealed claims, however, are limited to the use of a vaporous heating medium having a boiling point between 570° F. and 700° F., and the claims state that this medium is condensed as the reaction proceeds and thus supplies heat to the reacting materials. So, appellant is claiming the utilization of the latent heat of vaporization as the source of the heat supplied to the reacting materials. Such heat is given up by the vapor, without change of temperature, as the vapor passes into the liquid stage. Accordingly, it is possible to supply a large amount of heat without using a heating medium having a much higher temperature than the materials to be heated.

It is well understood that if a heating medium has a boiling point such that it does not change from a vapor to a liquid state while it gives up heat to the reacting materials, there necessarily would be a considerable lowering of the temperature of the heating medium. In order to allow for this temperature reduction, the heating medium would have to be supplied initially at a temperature well above that of the reacting materials. However, under such circumstances, the reacting materials near the point where the heating medium is supplied would be heated above the desired reaction temperature.

The use of a heating medium having a boiling point within the relatively narrow range of temperature which it is desired to retain in the reacting materials, therefore, as explained in appellant's application, has a peculiar advantage in that the heating medium being in the vapor stage gives up its latent heat as it passes through the reacting zone and thus remains at a substantially constant temperature, thereby avoiding the danger of overheating any part of the reacting materials.

The reference relied upon by the Patent Office tribunals do not teach the desirability of the relationship, hereinbefore stated, existing between the boiling point of the heating medium and the desired temperature of the materials in the reaction zone.

The fact that the Dow patent shows that heating media having boiling points within the range claimed here is not sufficient to justify the rejection of the appealed claims. The claims are not drawn to a heating medium per se but to a method involving a particular relationship between the boiling point of the heating medium and the desired temperature of the reacting materials. That relationship is not disclosed or suggested by the reference of record, and, as appellant's process as defined by the appealed claims, produces a new and unexpected result, we are of opinion that the claims on appeal define patentable subject matter.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

Notice

Notice is hereby given that the list published herewith contains the names of all applicants for registration to practice before the United States Patent Office who were successful in the examination held August 21, 1946. The Committee on Enrollment and Disbarment requests that any information tending to affect the eligibility of any of said applicants on moral or ethical grounds be furnished to the Commissioner of Patents on or before January 30, 1947.

List of Applicants who Passed the Examination for Registration held August 21, 1946

California

Becker, August William
Bestic, Gordon Frank
Filatoff-Rocq, Pierre
Herzig, Albert M.
Le Vesconte, Harold J.
Mackey, Charles M.
Neal, Frank Andrew
Worrel, Richard M.

Colorado

Messenger, Charles Buford

Connecticut

Willard, John B.

Delaware

Cox, Richard F. B.
Gleim, Irvin V.
Landwier, William G.
Mortenson, Carl W.
Whitson, John W.

District of Columbia

Bier, William
Fishburne, Benjamin P., Jr.
Greigg, Edwin E.
Harness, Charles L.
Huntley, Walter P.
Igo, Daniel E.
Irish, Robert Godwin
Jukes, James H. F.
Kahn, Evans
McDougall, Dugald S.
Olson, Carl Vernon
Renaud, Frank
Rines, Robert Harvey
Ritzmann, Otto Frederick
Roberts, John Summerfield
Sherry, Edward Norman
Van Poole, Thomas B., Jr.
Wetherill, John Price

Illinois

Fawcett, James I.
Grelle, Edward C.
Gulbrandsen, Christian A.
Haight, Edward A.
Kegan, Esther O.
Kraus, Nathan N.
Lerner, Charles J.
Mullaney, Dominic P.
Newman, Robert J.
Nierman, Leonard Gerard
O'Keeffe, Daniel V.
Osann, Edward W., Jr.
Paznokas, Clement J.
Pettigrew, William S.
Trimble, Floyd
Vogel, Hilmond O.

Indiana

Gillespie, Thomas Gerard, Jr.
Smith, Everet Foy
Steldt, Frank A.
Van Arendonk, Arthur M.

Maryland

Binish, Stanley Edward
Gaillard, G. Rainer
Lockwood, Harris C.
Overman, Marion M.

Massachusetts

Hayes, Oliver W.
Metcalf, Mary C.
Parker, Philip E.
Peck, David B.
Salzer, Erwin

Michigan

Harness, Don K.
Morse, Glenn B.
Sevald, William T.
Taylor, Jay C.

Missouri

Gross, Jerome A.

New Jersey

Adams, Edgar W., Jr.
Allen, Clement H.
Boustead, John
Crane, John M.
Devereux, John Gregory
Ensor, Walter P. A., Jr.
Irany, Ernest Paul
Mahler, Edward J.
Mosley, Earl A.
Mrose, James Emil
Norwood, Lincoln H.
Stewart, Riggs T.
Wilson, Lewis H.

New York

Anderson, Carl Raymond
Barnard, Samuel Bertrand
Barrett, Elton T.
Behrendt, Peter H.
Bennett, Harold Francis
Braddock, Allard A.
Cohen, Joseph T.
Cohen, Ralph
Connor, William C.
Esher, Frederick N.
Forman, Joseph B.
Goldsmith, Elsworth Helbert
Gross, Herman
Halley, Leroy Franklin
Harman, Robert Averill
Hubbard, Crescens G.
James, Harold
Kolisch, J. Pierre
Kunik, Isaac J.
McGregor, John C.
Malone, James P., Jr.
Mandelbaum, Malvin R.
Roush, George E.
Schlessel, Sydney B.
Smith, Laurence Lewis
Smithers, Leroy Sherwood
Smolka, Peter Henry
Steinhauser, Carl P.
Turney, Dillon Spielman
Winters, Milton S.
Wyman, Flavius Webb

Ohio

Bauermeister, Herman Otto
Dunson, Philip McKay
Haynes, Clyde H.
Moody, Dwight L.
Pearce, James W.
Portz, Woodrow W.
Pyle, Ray S.
Schnurmacher, Sanford
Teare, John W.
Von Pechy, T. Thos.

Pennsylvania

Hazeltine, Allen V.
Kuhnert, Paul Curtis
McLean, Nathaniel Graves
Peterson, John D.
Ragan, Alvin J.
Rose, Frank William, Jr.
Schiavo, Louis Vincent
Shapira, Albert C.
Sheaffer, Albert H., Jr.
Staples, Robert I.
Williams, Olin Edgar

Texas

Otis, Dwight Coburn

Vermont

Moeser, William O.

Virginia

Bailey, Reginald K., Jr.
Batchelder, E. B.
Camp, Robert C.
Davis, Jack Clemens
Gaynor, John Henry
Hall, Sheldon F.
Maltby, Wilson R.
Peck, Robert Foust
Rodgers, Walter Manly, Jr.
Tillson, Paul Lambert

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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2,328,884. (See 2,234,511.) 2,345,020. (See 2,299,444.)

2,368,234. (See Re. 19,466.)

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Re. 19,466, G. A. Lyon, Ornamental ring for wheel rims; 1,948,273, same, Ornamental bead and method of applying same to wheel rim; 2,368,234, same, Wheel structure; Des. 140,205, same, Wheel trim, D. C., N. D. Ill., E. Div., Doc. 46c1629, *Lyon, Inc.*, v. *Warshawsky & Son.* Consent decree granting injunction Nov. 19, 1946.

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T. M. 284,760. (See T. M. 103,027.)

T. M. 391,172. (See T. M. 235,931.)

T. M. 416,187. (See T. M. 235,931.)

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. 1, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The Philco Corporation has placed the following applications on the Register of Patents Available for Licensing or Sale as Reg. Nos. 4,683 to 4,967, inclusive, Group 36, by a letter reading as follows:

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Ser. No. 466,913. VACUUM TUBE CIRCUITS.

Ser. No. 533,230. ABSORPTION DEVICE.

Ser. No. 533,232. TRANSMISSION LINE TERMINATION.

Ser. No. 551,947. ELECTRICAL SYSTEM.

Ser. No. 533,231. COAXIAL LINE TERMINATIONS.

Ser. No. 537,294. METHOD AND APPARATUS FOR INHIBITING FEEDBACK IN HIGH FREQUENCY APPARATUS.

Ser. No. 537,295. COAXIAL LINE TERMINATION.

Ser. No. 552,139. ELECTRICAL SYSTEM.

Ser. No. 534,384. RECORDING APPARATUS.

Ser. No. 533,233. HIGH FREQUENCY RADIANT ENERGY ABSORBING DEVICE.

Ser. No. 561,334. ELECTRICAL SYSTEM.

Ser. No. 551,948. ELECTRICAL SYSTEM.

Ser. No. 551,949. ELECTRICAL SYSTEM.

Ser. No. 551,950. ELECTRICAL SYSTEM.

Ser. No. 547,936. ELECTRIC CIRCUITS.

Ser. No. 552,143. ELECTRICAL SYSTEM.

Ser. No. 558,494. ELECTRICAL APPARATUS.

Ser. No. 554,961. ELECTRICAL SYSTEM.

Ser. No. 605,858. PHONOGRAPH TRIP.

Ser. No. 561,242. ELECTRICAL SYSTEM.

Ser. No. 560,875. ELECTRICAL APPARATUS.

Ser. No. 563,699. ELECTRICAL SYSTEM.

Ser. No. 552,056. ELECTRICAL SYSTEM.

Ser. No. 585,257. ELECTRICAL APPARATUS.

Ser. No. 554,962. ELECTRICAL SYSTEM.

Sed. No. 554,960. ELECTRICAL SYSTEM.

Ser. No. 549,112. MATHEMATICAL SQUARING DEVICE OF THE ELECTRON TUBE TYPE.

Ser. No. 570,605. ELECTRICAL SYSTEM.

Ser. No. 575,020. ELECTRICAL APPARATUS.

Ser. No. 563,027. ELECTRICAL SYSTEM.

Ser. No. 561,287. ELECTRICAL SYSTEM.

Ser. No. 570,678. OSCILLATION GENERATOR.

Ser. No. 587,487. ELECTRICAL SYSTEM.

Ser. No. 576,065. ELECTRICAL SYSTEM.

Ser. No. 588,027. ELECTRICAL SYSTEM.

Ser. No. 574,588. ELECTRICAL SYSTEM.

Ser. No. 577,833. ELECTRICAL SYSTEM.

Ser. No. 570,606. ELECTRICAL SYSTEM.

Ser. No. 589,589. ELECTRICAL SYSTEM.

Ser. No. 570,639. ATTENUATOR.

Ser. No. 590,811. ELECTRICAL SYSTEM.

Ser. No. 603,027. ELECTRICAL SYSTEM.

Ser. No. 603,604. ELECTRICAL SYSTEM.

Ser. No. 592,101. ELECTRICAL SYSTEM.

Ser. No. 591,675. ELECTRICAL SYSTEM.

Ser. No. 585,654. ELECTRICAL SYSTEM.

Ser. No. 579,988. CRYSTAL MOUNTING.

Ser. No. 588,026. ELECTRICAL SYSTEM.

Ser. No. 597,226. VACUUM TUBE CIRCUITS.

Ser. No. 620,155. ELECTRICAL SYSTEM.

Ser. No. 620,154. ELECTRICAL SYSTEM.

Ser. No. 674,951. ELECTRICAL APPARATUS.

Ser. No. 674,968. ELECTRICAL SYSTEMS.

Ser. No. 674,969. ELECTRICAL SYSTEMS.

Ser. No. 630,403. ELECTRICAL SYSTEM.

Ser. No. 674,970. ELECTRICAL APPARATUS.

Ser. No. 673,337. ADJUSTABLE MOUNTING.

Ser. No. 673,226. RADIO APPARATUS.

Ser. No. 679,095. ELECTRICAL SYSTEMS.

Ser. No. 675,848. ELECTRICAL SYSTEM.

Ser. No. 682,741. ELECTRICAL SYSTEM.

Ser. No. 686,707. ELECTRICAL SYSTEM.

Ser. No. 687,638. ELECTRICAL APPARATUS AND CIRCUIT.

Ser. No. 675,849. ELECTRICAL SYSTEM.

Ser. No. 692,851. ELECTRICAL SYSTEM.

Ser. No. 678,014. ELECTRICAL SYSTEM.

Ser. No. 678,576. ELECTRICAL CIRCUIT.

Ser. No. 687,639. ELECTRICAL APPARATUS.

Ser. No. 694,297. ELECTRICAL SYSTEM.

Ser. No. 695,017. ELECTRICAL SYSTEM.

Ser. No. 695,542. ELECTRICAL SYSTEM.

Ser. No. 685,049. MAGNETIC DEVICE.

Ser. No. 694,757. MOUNTING MEANS FOR VACUUM TUBES.

Ser. No. 692,298. DETACHABLE COUPLING.

Ser. No. 397,986. ELECTRO-ACOUSTIC TRANSDUCER.

Ser. No. 519,020. PHONOGRAPH PICK-UP DEVICE.

Ser. No. 574,912. ELECTRICAL SYSTEM.

Ser. No. 584,112. ELECTRICAL SYSTEM.

Ser. No. 585,537. ELECTRICAL SYSTEMS.

Ser. No. 584,111. ELECTRICAL SYSTEM.

Ser. No. 528,908. APPARATUS FOR RECEIVING FREQUENCY MODULATED WAVES.

Ser. No. 506,252. OPTICAL SYSTEM.

Ser. No. 486,877. HIGH FREQUENCY ATTENUATOR AND DIVIDER CIRCUITS.

Ser. No. 509,288. SENSITIVITY CONTROL SYSTEM.

Ser. No. 545,077. SUPERREGENERATIVE RECEIVER QUENCHING CIRCUIT.

Ser. No. 545,078. SUPERREGENERATIVE RECEIVER CIRCUIT.

Ser. No. 528,868. SENSITIVITY CONTROL CIRCUIT.
Ser. No. 533,385. PULSE DELAY SYSTEM.
Ser. No. 572,999. ELECTRICAL SYSTEM.
Ser. No. 532,670. DEFLECTION SIGNAL GENERATOR FOR POLAR SCANNING OF CATHODE RAY TUBES.
Ser. No. 547,719. CONTROL CIRCUIT FOR RELAXATION OSCILLATOR.
Ser. No. 547,720. QUENCHED AMPLIFIER SYSTEM.
Ser. No. 539,701. OSCILLATOR MODULATING SYSTEM.
Ser. No. 517,650. WIDE BAND INTERSTAGE COUPLING NETWORK.
Ser. No. 570,714. ELECTRICAL SYSTEM.
Ser. No. 524,415. ELECTRON TUBE.
Ser. No. 541,771. HIGH FREQUENCY BAND PASS FILTERS.
Ser. No. 538,071. TRANSMITTING RECEIVING APPARATUS.
Ser. No. 556,049. ELECTRICAL SYSTEM.
Ser. No. 533,224. RESONANT CAVITIES.
Ser. No. 552,174. ELECTRICAL SYSTEM.
Ser. No. 516,479. WIDE-BAND SUPERHETERODYNE.
Ser. No. 514,516. CAVITY TUNING DEVICE.
Ser. No. 538,197. DEVICE FOR FLEXIBLY INTERCONNECTING WAVE GUIDES.
Ser. No. 510,671. ADJUSTING MEANS FOR TRANSMISSION LINES.
Ser. No. 524,097. CONTROL APPARATUS FOR REVERSIBLE MOTOR.
Ser. No. 516,557. TONE CONTROL SYSTEM.
Ser. No. 524,443. POWER SUPPLY SYSTEM FOR VELOCITY MODULATED VACUUM TUBES.
Ser. No. 574,270. ELECTRICAL SYSTEMS.
Ser. No. 514,834. RELAY CIRCUIT.
Ser. No. 528,869. ANTENNA STRUCTURE.
Ser. No. 520,307. CONTROL APPARATUS FOR MOTOR OPERATED DEVICE.
Ser. No. 528,898. CONTROL APPARATUS FOR REVERSIBLE MOTOR.
Ser. No. 520,296. RESONANT CAVITY OSCILLATORS.
Ser. No. 551,870. ELECTRICAL SYSTEM.
Ser. No. 538,067. MICROWAVE FREQUENCY MODULATION DETECTOR.
Ser. No. 544,575. ELECTRICAL SYSTEM.
Ser. No. 551,951. ELECTRICAL SYSTEM.
Ser. No. 552,175. ELECTRICAL SYSTEM.
Ser. No. 552,176. ELECTRICAL SYSTEM.
Ser. No. 556,590. NOISE DISCRIMINATING CIRCUIT.
Ser. No. 552,030. ELECTRICAL SYSTEM.
Ser. No. 524,472. RESONANT CAVITY TUNING DEVICE.
Ser. No. 516,503. GAIN CONTROL FOR PULSE AMPLIFIER.
Ser. No. 512,383. PROTECTIVE DEVICE.
Ser. No. 533,183. APPARATUS FOR VARYING THE FREQUENCY OF A RESONANT CAVITY.
Ser. No. 507,976. TELEVISION APPARATUS.
Ser. No. 559,407. ELECTRICAL SYSTEM.
Ser. No. 556,615. ELECTRICAL SYSTEM.
Ser. No. 516,504. MEASURING APPARATUS FOR ULTRA-HIGH FREQUENCY ENERGY.
Ser. No. 552,173. ELECTRICAL SYSTEM.
Ser. No. 547,245. ULTRA-HIGH FREQUENCY SYSTEMS.
Ser. No. 516,524. ELECTROSTATIC METER SHIELD.
Ser. No. 508,731. PROTECTIVE DEVICE.
Ser. No. 524,471. RESONANT CAVITY TUNING DEVICE.
Ser. No. 535,067. PULSE OSCILLATION GENERATOR.
Ser. No. 515,959. AUTOMATIC PHONOGRAPH.
Ser. No. 509,286. BLANKING CIRCUIT.
Ser. No. 511,985. GRID-PULSED CAVITY OSCILLATOR.
Ser. No. 536,146. DEVICE FOR MEASURING HIGH FREQUENCY POWER.
Ser. No. 533,226. DEVICE FOR MEASURING HIGH FREQUENCY POWER.
Ser. No. 533,185. DEVICE FOR INTERCONNECTING WAVE GUIDES.
Ser. No. 546,181. ELECTRICAL SYSTEM.
Ser. No. 516,663. METHOD OF TREATING OR SUPPORTING ELECTRICAL CONDUCTORS UTILIZING THERMOPLASTIC SUBSTANCES.
Ser. No. 533,186. WAVE GUIDE INTERCONNECTING DEVICE.
Ser. No. 551,186. ELECTRICAL SYSTEM.
Ser. No. 515,578. METHOD AND MEANS FOR MEASURING HIGH FREQUENCY ENERGY.
Ser. No. 528,749. BOMB FIN STRUCTURE.
Ser. No. 515,957. MULTIPLE RECORD SUPPORT FOR PHONOGRAPHS.
Ser. No. 549,617. ELECTRICAL SYSTEM.
Ser. No. 541,204. ULTRA-HIGH FREQUENCY MEASURING DEVICE.
Ser. No. 546,628. ELECTRIC SYSTEM.
Ser. No. 552,055. ELECTROMAGNETIC SYSTEM.
Ser. No. 618,856. ELECTROMAGNETIC SYSTEM.
Ser. No. 551,952. ELECTRICAL SYSTEM.
Ser. No. 555,022. ELECTROMAGNETIC SYSTEM.
Ser. No. 538,069. TELEVISION SYNCHRONIZING SYSTEM.
Ser. No. 528,726. SOCKET STRUCTURE.
Ser. No. 524,043. PHONOGRAPH APPARATUS.
Ser. No. 551,953. ELECTRICAL SYSTEM.
Ser. No. 555,528. ELECTRICAL SYSTEM.
Ser. No. 542,460. VARIABLE GAIN AMPLIFIER.
Ser. No. 552,274. SIGNAL MAINTAINING CIRCUIT.
Ser. No. 527,613. MICROWAVE OPERATED MECHANISMS.
Ser. No. 552,275. SIGNALING SYSTEM.
Ser. No. 556,591. NOISE DISCRIMINATING SYSTEM.
Ser. No. 572,669. ELECTRICAL APPARATUS.
Ser. No. 527,442. ULTRA-HIGH FREQUENCY DISCRIMINATOR.
Ser. No. 560,129. ELECTRICAL APPARATUS.
Ser. No. 551,340. ELECTRICAL APPARATUS.
Ser. No. 550,638. ELECTRICAL SYSTEM.
Ser. No. 560,309 ELECTRICAL SYSTEM.
Ser. No. 621,343. ELECTRICAL SYSTEM.
Ser. No. 538,064. HIGH FREQUENCY AMPLIFIER.
Ser. No. 553,155. ELECTRICAL APPARATUS.
Ser. No. 533,218. VARIABLE RESISTANCE DEVICE.
Ser. No. 553,156. ELECTRICAL APPARATUS.
Ser. No. 533,221. CORONA SHIELD.
Ser. No. 540,836. TUNING DEVICE.
Ser. No. 547,898. ELECTRICAL SWITCH.
Ser. No. 547,899. ELECTRICAL SYSTEM.
Ser. No. 547,900. ELECTRICAL SYSTEM.
Ser. No. 542,678. PHONOGRAPH PICK-UP DEVICE.
Ser. No. 533,188. CONTROL APPARATUS FOR REVERSIBLE MOTOR.
Ser. No. 554,384. ELECTRICAL SYSTEM.
Ser. No. 551,743. ELECTRICAL SYSTEM.
Ser. No. 552,541. ELECTRICAL APPARATUS.
Ser. No. 571,935. ELECTRICAL APPARATUS.
Ser. No. 557,200. ELECTRICAL SYSTEMS.
Ser. No. 576,057. ELECTRICAL SYSTEM.
Ser. No. 552,542. ELECTRICAL APPARATUS.
Ser. No. 571,932. ELECTRICAL APPARATUS.
Ser. No. 555,504. ELECTRICAL SYSTEM.
Ser. No. 569,142. ELECTRICAL APPARATUS.

Ser. No. 620,547. COLOR IMAGE PROJECTION SYSTEM.
Ser. No. 609,072. COLOR IMAGE PROJECTION SYSTEM.
Ser. No. 552,543. ELECTRICAL APPARATUS.
Ser. No. 564,841. ELECTRICAL APPARATUS.
Ser. No. 568,885. MAGNETIZED WIRE RECORDING AND REPRODUCING SYSTEM.
Ser. No. 554,893. ELECTRICAL SYSTEM.
Ser. No. 560,141. ELECTRICAL SYSTEM.
Ser. No. 564,312. ELECTRICAL APPARATUS.
Ser. No. 556,392. COUPLING FOR ELECTRICAL CONDUCTORS.
Ser. No. 557,201. ELECTRICAL APPARATUS.
Ser. No. 558,493. ELECTRICAL APPARATUS.
Ser. No. 570,675. ELECTRICAL APPARATUS.
Ser. No. 570,578. ELECTRICAL SYSTEM.
Ser. No. 575,007. FASTENER.
Ser. No. 561,290. ELECTRICAL SYSTEM.
Ser. No. 587,166. PANCAKE COILS.
Ser. No. 601,111. IMAGE-PROJECTION OPTICAL SYSTEM.
Ser. No. 599,927. IMAGE-PROJECTION OPTICAL SYSTEM.
Ser. No. 566,739. ELECTRICAL CIRCUITS.
Ser. No. 561,206. ELECTRON FOCUSING APPARATUS.
Ser. No. 565,914. HARMONIC GENERATOR.
Ser. No. 565,848. ANTENNA.
Ser. No. 570,643. WAVE GUIDE INTERCONNECTING DEVICE.
Ser. No. 588,031. ELECTRICAL SYSTEM.
Ser. No. 580,209. ELECTRICAL SYSTEM.
Ser. No. 587,843. MULTI-BAND TUNING MECHANISM.
Ser. No. 582,709. ELECTRICAL SYSTEMS.
Ser. No. 588,924. PHONOGRAPH APPARATUS.
Ser. No. 589,017. PHONOGRAPH APPARATUS.
Ser. No. 580,210. ELECTRICAL SYSTEM.
Ser. No. 597,471. TELEVISION RECEIVER.
Ser. No. 634,216. RADIO RECEIVER.
Ser. No. 589,019. PHONOGRAPH APPARATUS.
Ser. No. 643,703. ELECTRICAL SYSTEMS.
Ser. No. 654,316. ELECTRICAL SYSTEM.
Ser. No. 610,854. ELECTRICAL SYSTEM.
Ser. No. 582,719. MULTI-BAND RADIO RECEIVER.
Ser. No. 657,405. ELECTRICAL SYSTEM.
Ser. No. 588,203. ELECTRICAL SYSTEMS.
Ser. No. 590,838. ELECTRICAL SYSTEM.
Ser. No. 615,671. TELEVISION PROJECTOR.
Ser. No. 614,739. ELECTRICAL SYSTEM.
Ser. No. 621,292. ELECTRICAL SYSTEM.
Ser. No. 627,334. LENS.
Ser. No. 660,905. ELECTRICAL SYSTEM.
Ser. No. 606,774. ELECTRICAL SYSTEM.
Ser. No. 651,398. ELECTRICAL SYSTEM.
Ser. No. 651,888. ELECTRICAL SYSTEM.
Ser. No. 658,894. ELECTRICAL SYSTEM.
Ser. No. 651,649. ELECTRICAL SYSTEM.
Ser. No. 623,114. ELECTRICAL SYSTEM.
Ser. No. 660,036. ELECTRICAL SYSTEM.
Ser. No. 627,335. OPTICAL SYSTEM.
Ser. No. 637,966. ELECTRICAL SYSTEM.
Ser. No. 613,457. ELECTRICAL SYSTEM.
Ser. No. 662,417. ELECTRICAL SYSTEM.
Ser. No. 607,028. TUNING MECHANISM.
Ser. No. 620,443. PROJECTION SCREEN.
Ser. No. 660,866. ELECTRICAL SYSTEM.
Ser. No. 633,833. ELECTRICAL SYSTEM.
Ser. No. 608,025. ELECTRICAL SYSTEM.
Ser. No. 652,320. ELECTRICAL SYSTEM.
Ser. No. 659,684. GRID-CONTROLLED ELECTRON TUBES.
Ser. No. 657,175. ELECTRICAL SYSTEM.
Ser. No. 640,901. PHONOGRAPH APPARATUS.
Ser. No. 657,691. ELECTRICAL APPARATUS.
Ser. No. 650,347. ELECTRICAL SYSTEM.
Ser. No. 666,895. ELECTRICAL SYSTEM.
Ser. No. 628,426. OPTICAL SYSTEM.
Ser. No. 635,326. ELECTRICAL SYSTEM.
Ser. No. 628,529. CONDENSER.
Ser. No. 640,900. PHONOGRAPH CYCLING MECHANISM.
Ser. No. 625,582. PUSH-PULL AMPLIFIER.
Ser. No. 668,195. PHONOGRAPH APPARATUS.
Ser. No. 633,887. SUPPORT MEANS.
Ser. No. 618,645. PHONOGRAPH.
Ser. No. 644,515. ELECTRICAL SYSTEMS.
Ser. No. 639,862. INDICATING MEANS.
Ser. No. 657,404. ELECTRICAL SYSTEMS.
Ser. No. 633,453. FREQUENCY CONVERSION SYSTEM.
Ser. No. 654,046. ELECTRICAL CIRCUIT.
Ser. No. 649,359. TELEVISION RECEIVER.
Ser. No. 658,928. RADIO APPARATUS.
Ser. No. 650,349. CONDENSER.
Ser. No. 660,037. ELECTRICAL SYSTEMS.
Ser. No. 662,418. ELECTRICAL SYSTEM.
Ser. No. 651,064. LIGHT REFLECTING DEVICE.
Ser. No. 669,041. ELECTRICAL SYSTEM.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING NOVEMBER, 1946

EX PARTE THE COLORADO GROWERS CO-OPERATIVE, Serial No. 461,241.

In a decision rendered November 1, 1946 (169 Ms. Dec. 193, 71 USPQ 161), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks refusing registration to The Colorado Growers Co-Operative, of Palisade, Colo., of the mark "Colo-Flavor" for canned vegetables and canned fruits in view of the prior registration of the mark "Colo-Red," with the word "Red" disclaimed, for canned vegetables, canned vegetable juices for food purposes and the mark "Colo-Pak," with the word "Pak" disclaimed, for canned peas.

It was held that the marks are so similar in appearance and sound and are of such character and composition that the use of applicant's mark "Colo-Flavor" on canned vegetables and canned fruits would be likely to cause confusion and mistake in the minds of the public and to deceive purchasers if used concurrently with the marks "Colo-Red" and "Colo-Pak" applied to the goods to which it is stated in their registrations they are applied so that the Examiner was correct in refusing applicant the registration applied for in view of those two prior registrations.

VEGEX COMPANY *v.* KRAFT WALKER CHEESE COMPANY PROPRIETARY LIMITED, Opposition No. 23,794.

In a decision rendered November 1, 1946 (169 Ms. Dec. 197, 71 USPQ 164), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Interferences refusing registration to Kraft Walker Cheese Company Proprietary Limited, of Melbourne, Victoria, Australia, of the mark "Vegemite" for a yeast spread used primarily as a spread and also as a food flavoring in soups and gravies in view of two prior registrations granted to others, one being the mark "Vegex" for concentrated yeast food preparation of high vitamin content and the other being the mark "Vegex" for yeast-vegetable extract, the appeal evolving from an opposition in which the Examiner of Interferences dismissed the notice of opposition of Vegex Company, of New York, N. Y., but also held ex parte that applicant was not entitled to the registration. Both parties appealed but the opposer's appeal has been dismissed at its request so that only applicant's ex parte appeal remains.

In response to applicant's argument that weight should be given to the decision of the Examiner of Trade-Marks since the Examiner of Trade-Marks presumably was cognizant of all pertinent prior registrations and considered applicant's mark to be registrable over them or he would not have passed the mark to publication, it was held that it would be going too far to consider the favorable decision of the Examiner of Trade-Marks to preclude a refusal of the registration by the Examiner of Trade-Mark Interferences or by the Assistant Commissioner or by the court on appeal unless the likelihood of confusion is so clear as to remove every reasonable doubt.

In response to applicant's contention that since there is no showing of record as to the appearance, structure, use, packaging, purchasers, or manner of sale of the goods of the prior registrations, these things are left to mere conjecture and presumption, which should not be indulged in in determining the descriptive character of the goods as compared with the descriptive character of applicant's goods, it was held that this is true but not entirely so, because it is appropriate and proper to take judicial notice of such things under certain circumstances; however, here we need go no further than how the goods are designated and named in the application and in the prior registrations; it seems the way the goods are defined in the application and in the registrations defines and designates the goods to be goods of the same descriptive properties; all are food preparations; all have yeast content and applicant's goods and those of one of the registrations are extracts.

It was further held that the marks considered in their entireties are so similar in appearance and in sound that when applied to goods as closely related as are the goods as they are named in the application and in the registrations, confusion in the mind of the public and deception of purchasers is likely to result and for this reason applicant's mark is not registrable over the prior registrations cited against it.

FERROCART CORPORATION OF AMERICA *v.* HANS VOGT (ALIEN PROPERTY CUSTODIAN SUBSTITUTED) Cancellation No. 4060.

In a decision rendered November 1, 1946 (169 Ms. Dec. —, 71 USPQ 162), *Assistant Commissioner Van Arsdale* reversed the action of the Examiner of Trade-Mark Interferences who had dismissed the petition of Ferrocart Corporation of America, of New York, N. Y., to cancel the registration of Hans Vogt (Alien Property Custodian Substituted), of Berlin-Dahlem, Germany, of the trade-mark "Ferrocart."

In the petition for cancellation petitioner asserts that it had become incorporated prior to the filing date of respondent's registration "Ferrocart" now

sought to be canceled; that the trade-mark "Ferrocart" is substantially identical with petitioner's corporate name and consists merely in the name of the corporation; and that petitioner is injured by the registration. Respondent pleaded and made of record certain agreements entered into between the parties herein and has asserted that by reason of these agreements petitioner is estopped from attacking the registration and suffers no injury therefrom.

After noting that the Examiner agreed with respondent's contention and after analyzing the agreement it was held that the agreement does not establish petitioner as a mere permissive user or mere licensee of a mark which is to be continued to be owned by respondent or to establish that by reason of the agreement petitioner has waived his right to or has become estopped from seeking cancellation of the registration; on the other hand, the agreement contemplates full ownership of the mark by petitioner during the life of the agreement, and it seems from the record that the agreement is still in force and neither party asserts otherwise so that the petition for cancellation should have been sustained.

EX PARTE FISHER FLOURING MILLS COMPANY, Serial No. 467,520.

In a decision rendered November 5, 1946 (169 Ms. Dec. —, 71 USPQ 165), *Assistant Commissioner Van Arsdale* reversed the action of the Examiner of Trade-Marks who had refused registration to Fisher Flouring Mills Company, of Harbor Island, Seattle, Wash., of a mark which displays the name "Fisher's" superimposed across a red circle and the words "Bis-Kit Mix," which latter words are disclaimed, on the sole ground that "Fisher's" is a surname not distinctively displayed.

It was held that the manner in which the name is displayed is very distinctive and the impression created by the mark would remain the same whether the name is "Fisher's" or were some other name or words in letters of the same peculiar type and similarly bunched together so that the manner in which the name "Fisher's" is displayed in the mark outweighs the significance of the name itself and that applicant is entitled to have his application allowed and passed to publication.

It was held that the fact that the Patent Office has previously considered this same display of the same name "Fisher's" to be distinctively displayed as is evidenced by the Office having granted applicant four registrations thereof is persuasive of resolving in applicant's favor any reasonable doubt as to whether the name "Fisher's" is or is not distinctively displayed in a manner which meets the requirement of the statute.

EX PARTE HUBERT C. BLACKERBY, Serial No. 463,988.

In a decision rendered November 6, 1946 (169 Ms. Dec. —, 71 USPQ 166), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks refusing registration to Hubert C. Blackerby, of New York, N. Y., of the mark "U. S. NAVY MAGAZINE" for a magazine, on an application originally filed under the act of February 20, 1905, but subsequently amended to be under the act of March 19, 1920, in view of two prior registrations issued under the act of February 20, 1905, one Trade-Mark 289,716 registered December 1, 1931, of the trade-mark consisting of the words "U. S. Navy Review"—"The National Maritime Newspaper" and a design for a weekly publication, and the other Trade-Mark 371,724 registered October 3, 1939, of the mark consisting of the words "Navy News" separated by the representation of a life preserver framing a picture of the head and shoulders of a sailor and carrying the word "Pictorial" for a periodical, both of these registrations having been issued prior to the filing date of the present application.

It was held that the goods for which applicant seeks registration of his mark and the goods to which the marks of the cited registrations are applied are goods of the same descriptive properties.

It was held that the marks are so similar in verbiage and in descriptive significance that the Examiner was clearly correct in holding applicant's mark confusingly similar to the registrations cited, particularly in view of the fact that the goods to which the marks are applied are substantially identical.

ALUMINUM GOODS MANUFACTURING COMPANY *v.* PERLE E. BEASON, Opposition No. 24,157.

In a decision rendered November 6, 1946 (169 Ms. Dec. —, 71 USPQ 167), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences dismissing the notice of opposition filed by Aluminum Goods Manufacturing Company, of Manitowoc, Wis., against granting registration to Perle E. Beason, of Springfield, Ohio, of a mark which features the word "Comet" and a representation of a comet, for ball valve for faucets. Opposer based its opposition on its prior registration of a mark which also includes prominently the word "Comet" and a representation of a comet, the goods named in the registration including numerous items of aluminum ware and which appear to be either kitchen or cooking utensils.

It was held that ball valves for faucets and faucets are plumbing items and as such are quite unrelated to cooking utensils so that the Examiner was correct in holding that the goods are not related in any manner which might reasonably lead purchasers to suppose that such different articles had a common source of origin, and in dismissing the notice of opposition for that reason.

DAGGETT & RAMSDELL *v.* CONSOLIDATED HAIR GOODS COMPANY, Opposition No. 23,553.

In a decision rendered November 7, 1946 (169 Ms. Dec. —, 71 USPQ 168), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition filed by Daggett & Ramsdell, of New York, N. Y., against granting registration to Consolidated Hair Goods Company, Incorporated, of Chicago, Ill., of the mark "FIJ-OIL" for hair and scalp shampoo, the word "OIL" of the mark being disclaimed. The opposition was based on the prior registration and use by opposer of the mark "Fijax" for pomade and hair oil.

After noting that the Examiner held that hair and scalp shampoo are goods of the same descriptive properties as pomade and hair oil and that the marks are so similar in appearance and in sound that when applied to the respective goods, the marks are confusingly similar, it was held that the Examiner is clearly correct, since both goods are used in the treatment of the hair and frequently pomade or hair oil is used after a shampoo; also it has been brought out in the testimony that a manufacturer of shampoos may also manufacture hair lotions, hair creams, and various other hair items.

NATIONAL MILLING AND CHEMICAL CO. INC. *v.* THE NATIONAL MINERAL COMPANY, Opposition No. 23,625.

In a decision rendered November 7, 1946 (169 Ms. Dec. —, 71 USPQ 167), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the opposition filed by National Milling and Chemical Co. Inc., of Philadelphia, Pa., against granting registration to The National Mineral Company, of Chicago, Ill., of the mark "NAMINCO" for a shampoo. The opposition was based on two registrations issued to opposer, one of trade-mark "Namico" for soap compound, soap for laundry use, soap for textile trade, and an abrasive and scouring detergent, and the other registration of the same mark for alkalies for the laundry and textile trade, namely, a germicidal bleach and deodorant.

After noting that according to the testimony of record some shampoos contain soap and some do not, and that applicant at present uses the mark "Naminco" only on soapless shampoos, but the application for registration is not so restricted, merely stating that the registration is for shampoo, it was held that the goods as named in the application for registration controls rather than the specific make-up of the goods on which applicant actually uses the mark at the present time.

After holding that a soap shampoo is a soap product as are also the soap compound, the soap for laundry use and the soap for textile trade named in opposer's registration 302,130 it was further held that these goods, as named, are clearly goods of the same descriptive properties, and the names "Namico" and "Naminco" are so similar in appearance and sound that their concurrent use on the goods to which they are applied would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers.

MCKESSON & ROBBINS, INCORPORATED, *v.* WILLIAM ISENBERG, Opposition No. 23,979.

In a decision rendered November 8, 1946 (169 Ms. Dec. —, 71 USPQ 186), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences dismissing the opposition filed by McKesson & Robbins, Incorporated, of New York, N. Y., against the granting to William Isenberg, of Los Angeles, Calif., registration of his mark "SHAVEL" for razor blades. In opposition opposer asserted its prior registration of the mark "SHAV" for shampoo.

After noting that the Examiner held the goods not to be goods of the same descriptive properties and dismissed the notice of opposition for that reason, it was held that in the present case the goods are so dissimilar in physical structure, appearance and use that on the basis of the record here presented, the Examiner was correct in holding the goods to be not of the same descriptive properties and that the use of the respective marks on the goods would not be likely to confuse or to deceive purchasers.

RILLING COMPANY *v.* VALMOR PRODUCTS CO., Opposition No. 25,623.

In a decision rendered November 8, 1946 (169 Ms. Dec. —, 71 USPQ 188), *First Assistant Commissioner Frazer* denied a petition by Rilling Company, of Chicago, Ill., from the action of the Examiner of Trade-Marks refusing to institute opposition proceeding against the Valmor Products Co., also of Chicago, Ill., because although the notice of opposition to the proposed registration was filed within the thirty days allowed by statute from the date of publication of the trade-mark opposed, the statutory fee was inadvertently omitted and was not paid until after the thirty days.

In response to petitioner's argument that the fee does not constitute a part of the notice of opposition, it was held that although petitioner's contention is correct nevertheless the payment of the fee is a condition precedent to the filing of the notice and section 6 of the act requires that the notice be filed within thirty days after the publication of the mark sought to be registered.

DAVIS BROS. FISHERIES CO., INC., *v.* THE FISHERY COUNCIL, Opposition No. 25,702.

In a decision rendered November 8, 1946 (169 Ms. Dec. —, 71 USPQ 189), *First Assistant Commissioner Frazer* denied a petition by Davis Bros. Fisheries Co., Inc., of Gloucester, Mass., that its proposed opposition to the trade-mark application of The Fishery Council, of New York, N. Y., be accepted, notwithstanding the fact that the notice was not filed within thirty days after the publication of the mark sought to be registered as required by section 6 of the act of February 20, 1905, or as alternative relief, that an interference be declared between the application and its own registration.

In response to counsels' argument that if Saturdays and Sundays be excluded, the notice was filed within the time prescribed, it was held that obviously the statute has reference to calendar days, and to adopt counsels' suggestion would be to extend the statutory period which the Commissioner of Patents is without authority to do.

It was held that the declaration of an interference is a matter peculiarly within the discretion of the Examiner of Trade-Marks and in the absence of a clear abuse of discretion his action in that regard will not be reversed on petition; if petitioner believes itself injured by the registration of applicant's mark, an adequate remedy is afforded by section 13 of the act.

CELANESE CORPORATION OF AMERICA *v.* AMERICAN VISCOSE CORPORATION, Cancellation No. 4321.

In a decision rendered November 8, 1946 (169 Ms. Dec. —, 71 USPQ 187), *First Assistant Commissioner Frazer* denied a petition for reconsideration by Celanese Corporation of America, of New York, N. Y., of his decision of August 30, 1946 (590 O. G. 538; 70 USPQ 534), affirming that of the Examiner of Interferences dismissing petitioner's application to cancel a trade-mark registration owned by American Viscose Corporation, of Wilmington, Del., because although notice was served under rule 154(*c*) that petitioner would use at final hearing the recorded assignment of a registered mark, the ownership of which it had alleged, no copy of the assignment was produced.

In response to petitioner's argument that the decision misconstrues rule 154(*c*) since it is the official record itself and not a copy thereof that is the evidence at the hearing, it was held that the official record itself is not in evidence, nor was its production either necessary or permissible, since it is a well settled rule that the contents of a public record or document may be proved by a properly authenticated copy thereof.

EX PARTE AMERICAN TAR COMPANY, Serial No. 451,997.

In a decision rendered November 12, 1946 (169 Ms. Dec. —, 71 USPQ 189), *First Assistant Commissioner Frazer* denied a second petition for rehearing by American Tar Company, of Spokane, Wash., of his decision rendered August 13, 1946 (590 O. G. 533; 70 USPQ 453), a first petition for rehearing having been denied on September 17, 1946 (591 O. G. 667; 70 USPQ 546).

After noting that the action of the Examiner was affirmed on the sole ground that applicant's right of registration had been finally adjudicated by the decision of the Assistant Commissioner in another case, in response to applicant's suggestion that insofar as it is inconsistent with a third case decided by the First Assistant Commissioner, the First Assistant Commissioner should overrule the decision in the case decided by the Assistant Commissioner, it was held that an erroneous judgment that has become final works precisely the same estoppel as though it were free of error; so that even were the decision in the case decided by the Assistant Commissioner now overruled, applicant's case would not be strengthened.

FARMER SEED & NURSERY CO. *v.* SEARS, ROEBUCK AND CO., Opposition No. 23,859.

In a decision rendered November 13, 1946 (169 Ms. Dec. —, 71 USPQ 190), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences sustaining the notice of opposition filed by Farmer Seed & Nursery Co., of Faribault, Minn., against granting to Sears, Roebuck and Co., of Chicago, Ill., registration of its mark "Garden Master" and an associated design, for grain, flower, vegetable, and grass seeds, bulbs, plants, bushes, vines, and trees. The opposition was based on a prior registration issued to and owned by opposer of the mark "Master Farmer" for field, garden, and flower seeds.

In response to applicant's contention that the word "Master" is present in many registrations and therefore this word is the least prominent word in either of the marks, it was held that it is not proper to consider prior registrations for the purpose of giving a limited application to an opposer's mark.

It was held that the marks must be considered in their entireties and when so considered, are seen to be specifically different nevertheless the word "Master" is more prominent in trade-mark significance in both of the marks than the other words of the marks and purchasers would be more likely to remember the word "Master" of the marks as indicating origin of the goods than the words "Garden" or "Farmer" as indicating origin of the goods and therefore the word "Master" may properly be considered to be the dominating part of the marks, so that on the whole the concurrent use of the marks on the goods to which they are applied would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers and that the Examiner was correct in sustaining the notice of opposition.

EX PARTE WILLIAM J. SMITH MUSIC CO., INC., Serial No. 471,988.

In a decision rendered November 15, 1946 (169 Ms. Dec. —, 71 USPQ 208), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks refusing registration under the act

of February 20, 1905, to William J. Smith Music Co. Inc., of New York, N. Y., of a mark featuring the notation "E Z Method for" for a series of musical publications, the subject matter of which is instructions for learning to play musical instruments, it having been the Examiner's opinion that the letters "E Z" when read in connection with the following part of the mark clearly carry the meaning "easy" and are the phonetic equivalent of that word and that therefore the mark is descriptive of the goods and for that reason not registrable under the act of 1905.

It was held that the letters "E Z" of the present mark have the same meaning as the word "easy" and since the publications to which the mark is applied purport to present an easy method of instruction, the mark seems clearly to be merely descriptive of the goods to which the mark is applied.

After noting that applicant stresses the ownership of a prior registration which includes the letters "E Z" associated with the expression "Easy Method for" also applied to musical publications, it was held that in that mark the words "Easy Method" were disclaimed and that applicant's mark here, however, is differently constituted.

UNITED STATES GYPSUM COMPANY *v.* JOHNS-MANVILLE CORPORATION, Opposition No. 23,531.

In a decision rendered November 15, 1946 (169 Ms. Dec. —, 71 USPQ 207), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of the United States Gypsum Company, of Chicago, Ill., to the application of Johns-Manville Corporation, of New York, N. Y., for registration of the word "Permatone" as a trade-mark for asbestos-cement shingles and siding, use of the mark being claimed since July 24, 1940. Opposer relied upon its ownership of the trade-mark "Perfatone," registered March 28, 1939, for perforated membranes for acoustical absorption of sound, and building constructions incorporating said membranes.

It was held that although the two marks differ in significance nevertheless they are confusingly similar since the fact remains that as spoken and in appearance the words "Permatone" and "Perfatone" are practically indistinguishable and in resolving the question of confusing similarity significance of marks is not the only factor to be considered for appearance and sound are equally important.

It was held that although obviously the two products are noncompetitive and they differ considerably in construction, appearance and price nevertheless both are building materials or building equipment, each party produces goods which are substantially the same as those of the other, in some instances both kinds of goods are sold through the same dealers, and that occasionally both are installed by artisans of the same class so that under these circumstances at least a portion of the public might reasonably assume that such goods when sold under the same or similar marks are manufactured and sold by a single commercial concern; that is the kind of confusion that the statute seeks to avoid.

It was held that while it is unlikely that the experts by whom applicant asserts the goods here involved are usually purchased would be confused, the statute was designed to prevent confusion to purchasers generally and not to one particular class of purchasers.

In response to applicant's citation of cases alleged to require dismissal of an opposition if the goods are specifically different and the marks are not the same, it was held that here the marks are so nearly identical that there is no room for application of the rule thus sought to be invoked.

C. B. SHANE CORPORATION *v.* TEEN-TIMERS INC., Opposition No. 23,439.

In a decision rendered November 18, 1946 (169 Ms. Dec. —, 71 USPQ 209), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of C. B. Shane Corporation, of Chicago, Ill., to the application of Teen-Timers Inc., of New York, N. Y., for the registration of a trade-mark claimed to have been used since February 15, 1944, for children's dresses, the mark being essentially the notation "Wee-timers," of which the word "Wee" is disclaimed, on the ground that the mark is confusingly similar to opposer's trade-mark "Two Timer," registered September 7, 1943 for men's, boys', women's and girls' overcoats and topcoats.

In response to applicant's argument that the dresses with which applicant's mark is now used are intended for little girl children, aged two to six, while opposer's mark is applied only to overcoats and topcoats that have a removable lining, it was held that there is no such restriction of merchandise in the registration and opposer owns its mark for the goods there described; nor is the application confined to dresses for children of any particular age group; opposer thus has the right to use its mark on girls' coats that might be worn by the same children who wear applicant's dresses.

Although by reason of the peculiar manner in which displayed, applicant's mark differs from opposer's very considerably in appearance; also, when analyzed, the two marks lack similarity in significance nevertheless it was held that purchasers generally would not take the trouble to investigate the meaning of either mark and it seems that the average mother who owned a "Two Timer" coat might well assume that the "Wee-timers" dress she purchased for her small daughter was manufactured by the same concern; and the likelihood of such confusion would be enhanced by the close resemblance in sound of the two expressions.

STANDARD LABORATORIES, INC., *v.* THE PROCTER & GAMBLE COMPANY, Opposition No. 23,896.

In a decision rendered November 19, 1946 (169 Ms. Dec. —, 71 USPQ 210), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of Standard Laboratories, Inc., of New York, N. Y., to the application of The Procter & Gamble Company, of Cincinnati, Ohio, for registration of the word "Stran" as a trade-mark for shampoo, on the ground that applicant's mark is confusingly similar to opposer's trade-mark "Stim" previously registered for preparations for falling hair, dandruff, and itching scalp.

After noting that the Examiner was of the opinion that the goods of the parties are of the same descriptive properties, because both are hair preparations sold over the same counters to the same class of purchasers, it was held that the expression "hair preparations" is rather inapt, as applied to the goods of either party and since there is no evidence on the subject, the propriety of the Examiner's finding that the goods are sold over the same counters to the same class of purchasers is dubious; but in any event, the specific differences between applicant's product, which is essentially a cleansing agent, and opposer's product, which is essentially a medicinal preparation, must be considered in resolving the question of possible confusion.

It was held that the words "Stran" and "Stim" have very little in common; although their slight similarity in sound might be sufficient to prevent their concurrent registration if applied to identical merchandise nevertheless the public will not be confused or purchasers deceived through the use of these marks on the particular goods here involved.

EX PARTE ARIDYE CORPORATION, Serial No. 497,985.

In a decision rendered November 22, 1946 (169 Ms. Dec. —, 71 USPQ —), *First Assistant Commissioner Frazer* denied a petition by Aridye Corporation, of New York, N. Y., from the Examiner's requirement that the drawing of applicant's trade-mark be corrected to conform to the specimen labels filed with the application to register.

After noting that these labels which purport to show the trade-mark as actually used upon the goods bear the mark in typewritten form, all but the initial letter being in lower case type, but on the drawing it appears in conventional Gothic capitals, it was held that the Examiner was right in requiring that the mark be shown upon the drawing in the same manner that it appears in the specimens which have been furnished; such has been the practice for more than forty years, and applicant advances no persuasive reason why it should now be changed.

CRESCENT TOOL COMPANY *v.* CLARENCE O PREST, Opposition No. 24,071.

In a decision rendered November 26, 1946 (169 Ms. Dec. —, 71 USPQ 247), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had dismissed the opposition of Crescent Tool Company, of Jamestown, N. Y., to the application of Clarence O. Prest, of Burbank, Calif., for registration of the word "Prestalloy" as a trade-mark for lead base casting alloy, use of the mark being claimed since December 29, 1943, and additionally held applicant's mark nonregistrable under the act of February 20, 1905, because descriptive of the goods to which appropriated.

After noting that the Examiner of Interferences held that the goods of the parties do not have the same descriptive properties and dismissed the opposition on that ground without passing on the similarity of the marks, it was held that, resolving doubts in opposer's favor, in accordance with well-established practice, at least in a broad sense of the term, the goods for which opposer's mark is registered may be said to have the same descriptive properties as the goods named in the application.

It was further held that the close similarity of the two marks is obvious and although it is true that they differ in significance, and to a lesser degree in appearance, nevertheless in sound they are practically indistinguishable so that there is a reasonable likelihood that the proposed registration would prove injurious to opposer.

It was held, moreover, that applicant's mark is nonregistrable under the act of February 20, 1905, because descriptive of the goods to which appropriated, for although applicant says the mark is a combination of his name and the word "alloy," which of course is apparent, nevertheless applicant's name is the phonetic equivalent of the word "pressed," and no one would seriously argue that the notation "pressed alloy" could be sequestered as a trade-mark for a casting alloy.

MCMULLEN-LEAVENS COMPANY *v.* WM. ANDERSON TEXTILE MFG. CO. LTD., Oppositions Nos. 22,444, 22,445, and 22,446.

In a single decision rendered November 29, 1946 (169 Ms. Dec. — 71 USPQ 250), *First Assistant Commissioner Frazer* affirmed in each of three cases the action of the Examiner of Interferences holding that the opposer, McMullen-Leavens Company, of New York, N. Y., has failed to establish such priority of interest as would entitle it to prevail in this proceeding opposing the grant of registration to Wm. Anderson Textile Mfg. Co. Ltd., of New York, N. Y., of marks each of which includes the name "Wm. Anderson." The goods described in the applications are various piece goods and in each application occurs the sworn statement that such name as shown is the facsimile signature of the founder of applicant's business.

Opposer is a manufacturer of women's dresses and men's shirts made from fabrics produced by David and John Anderson, Ltd., of Glasgow, Scotland. Labels are attached to the garments as sold, indicating the source of the material. In recent years opposer has been operating under an agreement with the Scottish concern, whereby the latter expressly agree not to sell or deliver any cotton shirtings or flannels woven by them to any other manufacturer of stock shirts in the United States of America after June 1. 1939.

In response to opposer's contention that it would be damaged by the registration of applicant's marks after noting that opposer's own evidence is to the effect that the "Wm. Anderson" portion of applicant's mark has been used on textile fabrics in the United States since about 1890 and that there is of record a renewed registration of the notation "Anderson Zephyr" for ginghams, which was issued January 28, 1908, under the ten-year proviso of the Trade-Mark Act of 1905, to one of applicant's predecessors, it was held that since opposer has made no sufficient showing that its own conflicting activities were undertaken prior to the effective date of its agreement with David and John Anderson, Ltd., in 1939, the Examiner's conclusion is thus amply supported.

In response to opposer's argument that upon the testimony the proposed registration should be refused because of applicant's nonuse of the marks, after noting that the testimony was taken in April, 1945, and the most recent of the applications was filed in November, 1942, it was held that since in each application the trade-mark sought to be registered is claimed to have been continuously used and applied to said goods in applicant's business since May, 1942, and the claim is verified by applicant's president, the First Assistant Commissioner was unable, in view of the long time that has elapsed since the applications were filed, to accept this testimony as proof that the marks were not then in use by applicant, as the witness was not asked to amplify his statement or to fix any dates.

MCMULLEN-LEAVENS COMPANY *v.* WM. ANDERSON TEXTILE MFG. CO. LTD., Cancellations Nos. 4173 and 4174.

In a single decision rendered November 29, 1946 (169 Ms. Dec. —, 71 USPQ 249), *First Assistant Commissioner Frazer* affirmed in each of two cases the action of the Examiner of Trade-Mark Interferences dismissing the petition of McMullen-Leavens Company, of New York, N. Y., to cancel two marks to which such title as respondent, Wm. Anderson Textile Mfg. Co. Ltd., also of New York, N. Y., has in the registered marks is derived through numerous mesne assignments from the original registrants. One of the marks in question is "Anderson Zephyr" for gingham, registered January 28, 1908, under the ten-year proviso of the act of February 20, 1905. The other is the name "Wm. Anderson," said to be the facsimile signature of that late individual, registered February 21, 1922, for zephyrs in the piece, shirting in the piece, voile in the piece, poplin in the piece, flannel in the piece, tissue in the piece, and muslin in the piece. Both registrations have been renewed.

After noting that were respondent seeking affirmatively to establish ownership, the evidence would be clearly insufficient for that purpose, it was held respondent was not required to make any such showing; rather the burden rested upon petitioner to prove its case as alleged by a fair preponderance of the evidence so that the Examiner of Interferences was right in ruling that petitioner has failed to discharge that burden; doubts created by its own record must be resolved against petitioner and mere surmise cannot take the place of proof.

After noting that respondent's vice-president, called as a witness for petitioner, testified that respondent does not buy and sell ginghams or piques or other fabrics which they handle, but simply owns these trade-marks which are used under its direction by a related corporation so that petitioner thus argues that the registrations should be canceled on the ground of nonuse of the registered marks, it was held that here again the proof is inconclusive; the witness was not asked to fix any dates and his testimony was taken more than two years after the petitions to cancel were filed; there is nothing to indicate that respondent was not using the marks at that time, nor is there any evidence as to the nature or the duration of its arrangements with the second corporation.

In response to petitioner's assertion that the registrations were illegally renewed because the requests for renewal were not made by "the registrant, his legal representatives, or transferees of record, in the Patent Office" as required by section 12 of the act, it was held that there is no direct proof that the renewants were not transferees of record, nor was the matter placed in issue by the pleadings; moreover, failure to comply strictly with the statutory requirement is not among the grounds for cancellation provided in section 13; and in the absence of fraud the language quoted from section 12 should be liberally construed.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 31, 1946

[VOL. 593. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 486,503. POWELL DUFFRYN LIMITED, London, England. Filed July 30, 1945.



PHURNACITE

Applicant is the owner of Regs. Nos. 323,874 and 377,058. The representation of the briquette is disclaimed apart from the mark.

FOR COAL BRIQUETTES.

Claims use since Nov. 2, 1943.

Ser. No. 488,957. GOLDEN GATE BULB CO., Berkeley, Calif. Filed Sept. 25, 1945.



The drawing is lined to represent the color green.

FOR CUT FLOWERS AND BULBS.

Claims use since May 31, 1945.

Ser. No. 489,772. THE SPECIAL CHEMICALS CO., Cleveland, Ohio. Filed Oct. 10, 1945.

SPECCO

FOR BULK COMMERCIAL SYNTHETIC RESINS.

Claims use since Mar. 15, 1945.

CLASS 2

RECEPTACLES

Ser. No. 483,119. SIEBE, GORMAN & COMPANY LIMITED, Tolworth, Surrey, England. Filed May 8, 1945.

OXYLET

FOR CYLINDERS AND CAPSULES FOR COMPRESSED GAS, ALL BEING MADE OF COMMON METAL AND NONE BEING PARTS OF MACHINERY.

Claims use since Jan. 9, 1930.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 500,106. F. O. MERZ & Co., Philadelphia, Pa. Filed Apr. 12, 1946.



FOR POCKETBOOKS, BILLFOLDS, WALLETS, PURSES, KEY CASES, LEATHER CARD CASES, PASS CASES, COIN CASES, PORTFOLIOS, LEATHER COMPACT CASES, TOILET CASES, AND LEATHER MANICURE SET CASES.

Claims use since June 1932.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 495,016. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Jan. 19, 1946.

DIVOSAN

FOR GENERAL CLEANING COMPOUND IN GRANULAR FORM FOR USE IN CLEANING MILK CANS AND OTHER SIMILAR UTENSILS OR DEVICES.

Claims use since Dec. 29, 1945.

Ser. No. 495,170. GOLDEN ARROW TOILETRIES, New York, N. Y. Filed Jan. 22, 1946.

KING OF DIAMONDS

FOR FACE SOAPS, BATH SOAPS, AND SHAVING CREAMS.
Claims use since June 1, 1945.

Ser. No. 495,288. GOLDEN ARROW TOILETRIES, New York, N. Y. Filed Jan. 24, 1946.

KING OF SPADES

FOR FACE SOAPS, BATH SOAPS, AND SHAVING CREAMS.
Claims use since June 1, 1945.

Ser. No. 495,817. PERSONALITY BEAUTY PRODUCTS LIMITED, Leicestershire, England. Filed Feb. 1, 1946.



The portrait is that of Silvia Clements Boss (permission granted). Registration of the mark shall give no right to the exclusive use of the word "Personality."
FOR SOAPS.
Claims use since September 1937.

Ser. No. 499,797. PACIFIC ALLIED PRODUCTS, Seattle, Wash. Filed Apr. 6, 1946.

Fundaclean

FOR CLEANER OF PAINTED SURFACES.
Claims use since Mar. 15, 1946.

Ser. No. 499,930. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Apr. 9, 1946.

SWEEPINE

FOR SWEEPING COMPOUND.
Claims use since March 1905.

CLASS 5

ADHESIVES

Ser. No. 509,771. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 26, 1946.

UNI-BOND

"Bond" is disclaimed apart from the mark.
FOR ADHESIVE CEMENT.
Claims use since May 18, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 477,891. LABORATORIOS VETER, S. A., Habana, Cuba. Filed Dec. 23, 1944.

NEURALBEINA

FOR LIQUID MEDICINES AND LIQUID VACCINES FOR THE TREATMENT OF RHEUMATISM, SCIATICA, LUMBAGO, ARTICULAR PAINS, NEURALGIA CAUSED BY TRAUMATIC, INFLAMMATORY OR SPASMODIC ACTION OF THE NERVOUS SYSTEM, BERI-BERI, ALCOHOLIC POLYNEURITIS, PELLAGRA AND SPRUE, POLYNEURITIS OF PREGNANT WOMEN, ALL FORMS OF NEURITIS, ALL FORMS OF NEURALGIA AND ALL FORMS OF POLYNEURITIS.
Claims use since Apr. 1, 1942.

Ser. No. 480,107. GREAT ATLANTIC LABORATORIES, INC., Boston, Mass. Filed Feb. 22, 1945.

PEPTOL

FOR HAIR DRESSING PREPARATION.
Claims use since April 1933.

Ser. No. 480,503. COUGHLIN BROS. CO., INC., East Boston, Mass. Filed Mar. 5, 1945.

Coughlets

FOR MEDICATED CHEWING GUM FOR RELIEF OF COUGHS DUE TO COLDS.
Claims use since Jan. 12, 1945.

Ser. No. 480,504. COUGHLIN BROS. CO., INC., East Boston, Mass. Filed Mar. 5, 1945.

Coughlics

FOR MEDICATED CHEWING GUM FOR RELIEF OF COUGHS DUE TO COLDS.
Claims use since Jan. 12, 1945.

Ser. No. 480,505. COUGHLIN BROS. CO., INC., East Boston, Mass. Filed Mar. 5, 1945.

Coughlix

FOR MEDICATED CHEWING GUM FOR RELIEF OF COUGHS DUE TO COLDS.
Claims use since Jan. 12, 1945.

Ser. No. 485,862. EBERSOLE-GAETZ-RHODES CO., Clarence Center, N. Y. Filed July 16, 1945.

COCCI-BAN

No claim is made for the term "Cocci" apart from the mark.
FOR PREPARATION FOR THE TREATMENT OF COCCIDIOSIS.
Claims use since May 10, 1945.

Ser. No. 489,549. WESTBURY CHEMICAL COMPANY, INC., New York, N. Y. Filed Oct. 6, 1945.

cerbinol

FOR MEDICINES HAVING GERMICIDAL, ANTIBACTERIAL, AND ANTISEPTIC PROPERTIES, USED BOTH INTERNALLY AND EXTERNALLY.
Claims use since June 7, 1945.

Ser. No. 489,583. JACK E. HUNTER, Van Port City, Oreg. Filed Oct. 8, 1945.

—CC—

FOR PREPARATION FOR TREATING COLON AND STOMACH DISORDERS AND TO LIBERATE GAS FROM THE BOWELS.
Claims use since Aug. 30, 1945.

Ser. No. 489,605. O-CEDAR OF CANADA LIMITED, Toronto, Ontario, Canada. Filed Oct. 8, 1945.

ODOWAY

FOR LIQUID, AIR FRESHENING DEODORANTS.
Claims use since Dec. 11, 1944.

Ser. No. 493,851. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo. Filed Dec. 22, 1945.

FEEDRI

The letters "F" and "D" and the word "Dri" are disclaimed apart from their use in the mark.
FOR VITAMIN CONCENTRATE TO BE INCORPORATED IN POULTRY AND LIVESTOCK FEED.
Claims use since Sept. 9, 1941.

Ser. No. 494,681. RICHARD HUDNUT, New York, N. Y. Filed Jan. 12, 1946.

FLOWER FACE

The term "Face" is disclaimed when considered apart from the mark shown.
FOR FACE POWDER, FOUNDATION LOTION, AND ROUGE.
Claims use since Nov. 16, 1945, on face powder and foundation lotion; and since Dec. 19, 1945, on rouge.

Ser. No. 496,906. LOUIS GREENFIELD, doing business as Thyben Pharmacal Company, Philadelphia, Pa. Filed Feb. 19, 1946.

PICCADILLY PICK-UP

FOR MEDICINAL PREPARATION IN LIQUID FORM FOR THE TREATMENT OF STOMACH DISORDERS AND TO RELIEVE DISTRESS DUE TO DRINKING OR EATING.
Claims use since Feb. 4, 1946.

Ser. No. 497,259. MECOS, INC., New Orleans, La. Filed Feb. 26, 1946.

Wylon

FOR HAIR DRESSING, PRESSING OIL, SCALP PREPARATIONS, SHAMPOO, DEODORANT CREAM, HAIR OIL, VANISHING CREAM, SKIN CREAM, CLEANSING COLD CREAM, HAIR POMADE, BRILLIANTINE, HAIR CREAM, WAVE SETTING JELLY, TALCUM POWDER, SACHET POWDER, FACE AND HAND LOTION, MASSAGE CREAM, AND MUD PACKS.
Claims use since Nov. 1, 1939.

Ser. No. 497,313. IRWIN, NEISLER & Co., Decatur, Ill. Filed Feb. 27, 1946.

Vertavis

FOR MEDICINAL TABLET OF VERATRUM VIRIDE BIOLOGICALLY STANDARDIZED AND INTENDED FOR THE TREATMENT OF ESSENTIAL HYPERTENSION.
Claims use since Feb. 23, 1946.

Ser. No. 497,730. O. J. MEIJER'S DEXTRINEFABRIEKEN N. V., Veendam, Netherlands. Filed Mar. 6, 1946.

RESIFIN

FOR DECOLOURING SUBSTANCE IN GRANULAR FORM IN THE NATURE OF AN ARTIFICIAL RESIN USED FOR DECOLOURING AND BLEACHING SUGAR AND GLUCOSE.
Claims use since Aug. 20, 1943.

Ser. No. 498,606. COTY, INC., New York, N. Y. Filed Mar. 20, 1946.

Ballerina Slipper

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, SACHET POWDERS, EAU DE COLOGNE, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Jan. 18, 1946; and on "Ballerina" since Jan. 14, 1939.

Ser. No. 498,681. SAMUEL GREENBLATT, doing business as Monogram Soap Company, Hollywood, Calif. Filed Mar. 21, 1946.

Hi Mom

FOR COLOGNE, TOILET WATER, AND HAND LOTION.
Claims use since Oct. 1, 1944.

Ser. No. 498,714. MAURICE RENTNER PERFUME CO., INC., New York, N. Y. Filed Mar. 21, 1946.

Maurice Rentner

EIGHT THIRTY

No claim is made to the name "Maurice Rentner" apart from the mark.
FOR PERFUME, COLOGNE, SACHET POWDER, FACE POWDER, DUSTING POWDER, LIPSTICK, BATH OIL, AND DEODORANT CREAM.
Claims use since Feb. 6, 1946.

Ser. No. 498,725. WALTER S. SOSIN, doing business as Walstan Co., New York, N. Y. Filed Mar. 21, 1946.

RUGGED

FOR COLOGNE.
Claims use since Jan. 2, 1946.

Ser. No. 499,153. STEPHEN E. RILEY, doing business as Stephen Riley Company, Los Angeles, Calif. Filed Mar. 28, 1946.

Arreté by Legendre

No claim is made to the words "By Legendre" apart from the mark.
FOR PERFUME.
Claims use since Feb. 11, 1946.

Ser. No. 499,302. WRIGHT & GLENN COMPANY, INC., New York, N. Y. Filed Mar. 29, 1946.

MISSY

FOR CHILDREN'S COSMETICS.
Claims use since Mar. 14, 1946.

Ser. No. 501,434. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed May 4, 1946.

OPALATE

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND HERBICIDES.
Claims use since Apr. 3, 1946.

Ser. No. 501,480. OLIVE SMITH, Chicago, Ill. Filed May 4, 1946.

CHINITA MIA

FOR COLOGNE, FACE POWDER, LIPSTICK, BRILLIANTINE, AND HAND LOTION.
Claims use since Apr. 24, 1946.

Ser. No. 501,941. UNITED SHOE MACHINERY CORPORATION, Boston, Mass. Filed May 11, 1946.

ATOMIC

FOR STITCHING WAX.
Claims use since Mar. 23, 1931.

Ser. No. 501,967. FLOWER FOODS, INC., Maywood, Ill. Filed May 13, 1946.

FLOWERMASTER

FOR COMPOSITION CONTAINING CHEMICAL INGREDIENTS FOR STRENGTHENING, FEEDING, AND PROMOTING THE DEVELOPMENT OF CUT PLANTS AND FLOWERS.
Claims use since Feb. 1, 1939.

Ser. No. 502,032. STEEL PHARMACEUTICAL CO. INC., New York, N. Y. Filed May 13, 1946.

PENTONITRATE

FOR TABLETS OF MANNITOL HEXANITRATE WITH PENTOBARBITAL SODIUM.
Claims use since Apr. 30, 1946.

Ser. No. 502,363. BRISTOL-MYERS COMPANY, New York, N. Y., assignor to Bristol Laboratories Inc., New York, N. Y., a corporation of New York. Filed May 18, 1946.

AMINOGRAN

FOR VITAMIN CONTAINING PROTEIN HYDROLYSATE.
Claims use since Jan. 4, 1946.

Ser. No. 511,853. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Nov. 1, 1946.

BARWEED

FOR WEEDKILLER.
Claims use since Sept. 26, 1946.

Ser. No. 511,898. WILLIAM B. ROSEVEAR, JR., Greensboro, N. C. Filed Nov. 1, 1946.

Olag

FOR TOOTH PASTE.
Claims use since July 25, 1946.

Ser. No. 512,002. PAUL KUNIAN, doing business as Ardmore Co., Minneapolis, Minn. Filed Nov. 4, 1946.

ARDMOR

FOR COSMETICS AND TOILETRIES COMPRISING SHAMPOO TINT, HAIR RINSE, AND HAIR OIL.
Claims use since Sept. 1, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 501,438. CONSOLIDATED COSMETICS, Chicago, Ill. Filed May 4, 1946.

TABU

FOR CIGARETTE HOLDERS AND ASH TRAYS.
Claims use since Apr. 30, 1946.

Ser. No. 501,994. MARCH CORPORATION, Chicago, Ill. Filed May 13, 1946.

PIPEMASTER

FOR SMOKING PIPES.
Claims use since Apr. 5, 1945.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 499,613. DITTO, INCORPORATED, Chicago, Ill. Filed Apr. 4, 1946.

MASTERFORM

FOR PAPER, COATED WITH A TRANSFER MEDIUM ON ONE SIDE, TO BE USED IN DUPLICATING PROCESSES.
Claims use since Mar. 26, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 497,335. ROCKWELL MANUFACTURING COMPANY, Pittsburgh and Homewood, Pittsburgh, Pa. Filed Feb. 27, 1946.



FOR PLUG VALVES.
Claims use since Dec. 13, 1945.

Ser. No. 499,389. COMMERCIAL METALS TREATING, INC., Toledo, Ohio. Filed Apr. 1, 1946.

COMMETCO



No claim is made for the word "Water" apart from the mark.
FOR PIPING AND COUPLINGS FOR USE IN PORTABLE OVERHEAD LAND IRRIGATION SYSTEMS.
Claims use since Mar. 14, 1946.

Ser. No. 499,795. MODERN ENGINEERING AND DEVELOPMENT CO., Los Angeles, Calif. Filed Apr. 6, 1946.

Mr. Bartender

FOR ATTACHMENT TO THE NECK OF A SPIRITS BOTTLE FOR USE IN DISPENSING LIQUORS IN A KNOWN QUANTITY.
Claims use since Mar. 14, 1946.

Ser. No. 500,883. ROBERT E. LARSEN, Chicago, Ill. Filed Apr. 25, 1946.

SKY-HOOK

The word "Hook" is disclaimed apart from the mark.
FOR READILY ATTACHABLE OR DETACHABLE HOOKS, ADAPTED TO BE SECURED TO ANY DESIRED SURFACE FOR HANGING ARTICLES THEREON AND RACKS FOR HANGING TOWELS OR THE LIKE, MADE OF METAL OR OTHER SUITABLE MATERIAL.
Claims use since Mar. 10, 1945.

Ser. No. 502,614. THE ATLAS-ANSONIA COMPANY, North Haven, Conn. Filed May 23, 1946.

DUBL-A

FOR HOOKS FOR HANGING HOUSEHOLD AND OTHER ARTICLES, AND FOR SINK-DRAIN PROTECTORS OR COVERS.
Claims use since Apr. 25, 1946, on hooks; and since May 10, 1946, on sink-drain protectors or covers.

Ser. No. 502,722. SCHICK INCORPORATED, Stamford, Conn. Filed May 24, 1946.

SHAVEREST

FOR RAZOR WALL BRACKET.
Claims use since Apr. 25, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 499,423. THE MCKAY COMPANY, Pittsburgh, Pa. Filed Apr. 1, 1946.

PLURALLOY

FOR WELDING ELECTRODES OF THE ROD OR WIRE TYPE.
Claims use since April 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 492,827. ELLIS PAINT COMPANY, Long Beach, Calif. Filed Dec. 7, 1945.

HY-LUX

FOR FULL GLOSS ENAMEL, GLOSS ENAMEL PAINTS OF VARIOUS COLORS AS WELL AS WHITE.
Claims use since May 1, 1940.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 493,644. BENSON & HEDGES, New York, N. Y. Filed Dec. 21, 1945. Under 10-year proviso.

Benson & Hedges

Applicant is the owner of Reg. No. 411,340.
FOR CIGARS, CIGARETTES, AND SMOKING TOBACCO.
Claims use since 1864.

CLASS 19

VEHICLES

Ser. No. 476,115. ROBERT W. POINTER, doing business as Pointer-Willamette Company, Portland, Oreg. Filed Nov. 4, 1944.



FOR TRAILERS, STRUCTURAL PARTS FOR TRAILERS AND TRUCKS, SINGLE-AXLE AND TANDEM-AXLE SEMI-TRAILERS, AND TRUCK BODIES.
Claims use since July 20, 1938.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 473,394. MOTOSACOCHE SOCIÉTÉ ANONYME, Geneva, Switzerland. Filed Aug. 17, 1944.



FOR ELECTRICALLY DRIVEN MACHINES—NAMELY, FOR THE RECORDING OF SOUND ON GRAMOPHONE DISCS, FOR REPRODUCING SOUND FROM GRAMOPHONE DISCS, AND ELECTRICALLY CONTROLLED ENGRAVING MACHINES.
Claims use since July 1939.

Ser. No. 494,686. MILTON KESSLER, doing business as Kessler Products Company, Youngstown, Ohio. Filed Jan. 12, 1946.

ATOM

FOR FLASHLIGHTS.
Claims use since Nov. 7, 1945.

Ser. No. 501,916. JEROME MAYER, New York, N. Y. Filed May 11, 1946.

SLUMBERLITE

FOR ELECTRIC LAMPS PROVIDING A NIGHT LIGHT FOR THE NURSERY, BEDROOM, BATHROOM, OR THE LIKE.
Claims use since Jan. 1, 1946.

Ser. No. 501,928. ROME CABLE CORPORATION, Rome, N. Y. Filed May 11, 1946.

ROCA FLEX

FOR INSULATED ELECTRICAL CONDUCTORS, WIRES, AND CABLES.
Claims use since Apr. 3, 1946.

Ser. No. 502,036. THE TANGLEFOOT COMPANY, Grand Rapids, Mich. Filed May 13, 1946.



FOR ELECTRICALLY HEATED ATOMIZER FOR SPRAYING LIQUID.
Claims use since Feb. 20, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 486,220. PLANNED AGE TOYS, INC., New York, N. Y. Filed July 24, 1945.

PLANNED AGE

FOR TOYS—NAMELY, TOY HORSES, TOY KALEIDOSCOPES, AND TOY BEADS.
Claims use since July 10, 1945.

Ser. No. 490,687. MOLDED INSULATION COMPANY, Philadelphia, Pa. Filed Oct. 29, 1945.

VIZ

FOR TOY TRAINS, TOY CARRIAGES, TOY CARTS, TOY CARS, TOY TRUCKS, TOY PLANES, TOY WAGONS, TOY BOATS, TOY BUILDING BLOCKS, TOY FURNITURE, AND TOY DISHES.
Claims use since June 15, 1938.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 487,793. NASH ENGINEERING COMPANY, South Norwalk, Conn. Filed Aug. 30, 1945.



FOR PUMPS AND PARTS THEREOF—NAMELY, VACUUM PUMPS, VACUUM HEATING PUMPS, AIR COMPRESSORS, GAS COMPRESSORS, BOILER FEED PUMPS, BILGE PUMPS, SUMP PUMPS, CENTRIFUGAL PUMPS, SUCTION CENTRIFUGAL PUMPS, FLAT BOX PUMPS, CONDENSATION PUMPS, FUEL PUMPS, SEWAGE PUMPS, ROTARY PUMPS, CIRCULATING PUMPS, PRIMING PUMPS, SELF-PRIMING PUMPS, SUCTION PUMPS, LIQUID PUMPS, MARINE PUMPS, GLASS PUMPS, BOOSTER PUMPS, SUCTION SUMP PUMPS, SUCTION SEWAGE PUMPS, DRYER EXHAUST PUMPS, MECHANICAL, HYDRAULIC AND PNEUMATIC CONTROL APPARATUS USED TO CONTROL THE OPERATION AND PUMPING FUNCTION OF PUMPS AND TURBINES, PUMP STRAINERS, SEWAGE EJECTORS, VALVES USED AS PART OF PUMP UNITS; ALSO TURBINES AND TURBINE ENGINES.
Claims use since March 1919.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 500,934. ARTFRED MFG. CO., San Francisco, Calif. Filed Apr. 26, 1946.

LITTLE SKIPPER

FOR COLLAPSIBLE CLOTHES DRYING RACKS.
Claims use since June 1, 1939.

CLASS 25

LOCKS AND SAFES

Ser. No. 467,977. DONALD A. MORAND, doing business as East Side Tool and Die Works, Portland, Oreg. Filed Mar. 4, 1944.

EAST SIDE TOOL & DIE WORKS

The words "Tool & Die Works" are disclaimed apart from the mark.
FOR LATCHES FOR CASKETS.
Claims use since Oct. 2, 1927.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 491,862. THE LUFKIN RULE CO., Saginaw, Mich. Filed Nov. 19, 1945.

RIVAL

Applicant is the owner of Reg. No. 44,900 (renewed).
FOR MEASURING TAPES.
Claims use since May 1893.

Ser. No. 494,270. GREER HYDRAULICS INC., Brooklyn, N. Y. Filed Jan. 4, 1946.

GOVERNMATIC

FOR PROPELLER GOVERNOR TEST MACHINE.
Claims use since Oct. 1, 1944.

Ser. No. 497,337. ROCKWELL MANUFACTURING COMPANY, Pittsburgh and Homewood, Pittsburgh, Pa. Filed Feb. 27, 1946.



FOR LIQUID METERS, GAS METERS, AND METER RECORDERS.
Claims use since Dec. 13, 1945.

Ser. No. 498,116. REX COLE, INC., Long Island City, N. Y. Filed Mar. 13, 1946.



Applicant is the owner of Reg. Nos. 175,067 (renewed), 194,678 (renewed), 202,297 (renewed), 227,866, and 403,610.
FOR THERMOSTATICALLY ACTUATED CONTROL MECHANISMS FOR ELECTRICALLY HEATED BLANKETS.
Claims use since Jan. 3, 1946.

Ser. No. 500,795. COMPTONE COMPANY, LTD., New York, N. Y. Filed Apr. 24, 1946.

TWINKLER

FOR SUNGLASSES, EYEGLASSES, EYEGLASS FRAMES, SPECTACLES AND PARTS THEREOF—NAMELY, LENSES.
Claims use since Apr. 1, 1946.

Ser. No. 501,912. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed May 11, 1946.

MIDWAY

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Apr. 15, 1946.

Ser. No. 502,594. PLASTISPEC INCORPORATED, New York, N. Y. Filed May 22, 1946.

PLASTISPEC

FOR SPECTACLES AND SUNGLASSES.
Claims use since May 16, 1946.

Ser. No. 502,677. ZYLO WARE CORPORATION, Long Island City, N. Y. Filed May 23, 1946.

The Twinkler

FOR SPECTACLE FRAMES.
Claims use since Apr. 5, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 500,558. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn., assignor to New Haven Clock and Watch Company, New Haven, Conn., a corporation of Connecticut. Filed Apr. 19, 1946.

SLUMBER STOPPER

FOR CLOCKS, WATCHES, AND PARTS THEREOF.
Claims use since June 16, 1915.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 487,229. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Filed Aug. 17, 1945.

SAPPHIRITE

FOR JEWELS AND FORMED ORNAMENTAL JEWEL PIECES FOR RING SETS, BROOCHES, PENDANTS, EARRINGS, TIARAS, AND NECKLACES.
Claims use since July 21, 1945.

Ser. No. 501,200. RÉJA, INC., New York, N. Y. Filed Apr. 30, 1946.

RÉJA

ROSE OPAL

The words "Rose Opal" are disclaimed apart from the mark.
FOR COSTUME JEWELRY.
Claims use since May 1940.

Ser. No. 501,515. WALTER LAMPL, New York, N. Y. Filed May 6, 1946.

Pin Wheel

No claim is made to the word "Pin" apart from the mark.
FOR ORNAMENTAL DRESS AND LAPEL PINS, EARRINGS, AND BRACELETS.
Claims use since Dec. 8, 1945.

Ser. No. 502,494. CORO, INC., New York, N. Y. Filed May 21, 1946.

CONSTELLATION

FOR NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since March 1946.

Ser. No. 503,006. ROYAL CRAFTSMEN, INC., New York, N. Y. Filed May 29, 1946.

NEPTUNA

FOR SIMULATED PEARLS MADE OF PLASTIC OR LIKE MATERIAL AND ORNAMENTS FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES.
Claims use since Feb. 15, 1944.

Ser. No. 503,007. ROYAL CRAFTSMEN, INC., New York, N. Y. Filed May 29, 1946.

OCEANIA

FOR SIMULATED PEARLS MADE OF PLASTIC OR LIKE MATERIAL AND ORNAMENTS FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES.
Claims use since Feb. 15, 1944.

Ser. No. 503,008. ROYAL CRAFTSMEN, INC., New York, N. Y. Filed May 29, 1946.

PERSIANA

FOR SIMULATED PEARLS MADE OF PLASTIC OR LIKE MATERIAL AND ORNAMENTS FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES.
Claims use since May 3, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 502,763. NATIONAL SILVER COMPANY, New York, N. Y. Filed May 25, 1946.

NASCON

FOR HAIR BRUSHES, CLOTHES BRUSHES, SHOE BRUSHES, TOOTH BRUSHES, NAIL BRUSHES, AND COMPLEXION BRUSHES.
Claims use since Apr. 26, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 487,953. IDEAS UNLIMITED, Los Angeles, Calif. Filed Sept. 4, 1945.

FLORA-ROCK

The use of the word "Rock" is disclaimed apart from the mark.
FOR CERAMIC CONTAINERS FOR FRESH AND CUT FLOWERS.
Claims use since June 1, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 493,635. WABASH MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 20, 1945.

ACTEX

FOR ACCUMULATORS, CAPILLARY TUBES, AND HEAT EXCHANGERS FOR REFRIGERATING SYSTEMS.
Claims use since Nov. 1, 1945.

Ser. No. 501,408. PAUL E. RICHARDS, doing business as P. E. Richards Company, Terrell, Tex. Filed May 8, 1946.

TEMPASURE

FOR ICE REFRIGERATORS.
Claims use since Mar. 1, 1946.

Ser. No. 509,647. FILTRATION ENGINEERS, INCORPORATED, New York, N. Y. Filed Sept. 24, 1946.

FE

FOR AUTOMATIC VACUUM FILTERS, AUTOMATIC SAND FILTERS, NONATOMIZING WASH FILTERS, VACUUM DISCHARGE FILTERS, SCRAPERLESS FILTERS AND CHEMICAL DRIERS, FILTER-CAKE COMPRESSORS, DRYING SYSTEMS, AND DRUM TYPE DRIERS USED IN CONNECTION WITH FILTERS OR FILTERING APPARATUS AND CONSTITUTING A PART THEREOF.
Claims use since Aug. 1, 1919.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 469,434. ECKHARDT-BERMAN CORP., Mount Vernon, N. Y. Filed Apr. 18, 1944.

Treasure Aisle

FOR BOOK ENDS; BREAKFRONTS; COFFEE TABLES; COCKTAIL TABLES; COMMODES; CREDENZAS; CURIO CABINETS; DESKS; END TABLES; HANGING SHELVES; LAMP TABLES; MIRRORS; MAGAZINE RACKS; OCCASIONAL TABLES; SECRETARIES IN THE NATURE OF DESKS; WALL RACKS; ARTIFICIAL FIRE PLACES; PICTURE FRAMES.
Claims use since Jan. 1, 1927.

Ser. No. 487,320. GAMBLE-SKOGMO, INC., Minneapolis, Minn. Filed Aug. 20, 1945.



The drawing is lined to indicate the colors blue and green.
FOR JUVENILE AND NURSERY FURNITURE—NAMELY, WOOD AND FABRIC STANDS FOR SUPPORTING INFANTS, INFANT BATH RECEPTACLE AND NURSERY ACCESSORIES, BASSINETS, HIGH CHAIRS, CRIBS, YOUTH BEDS, TABLE AND CHAIR SETS, NURSERY CHAIRS, NURSERY SEATS, CHESTS, AND CHIFFONIERS.
Claims use since July 2, 1945.

Ser. No. 489,122. THE HYDE PARK LUMBER CO., Cincinnati, Ohio. Filed Sept. 28, 1945.

SERVANET

FOR KITCHEN CABINETS, BASE UNITS FOR KITCHEN CABINETS, SINK DRAINS, CABINETS AND STORAGE COMPARTMENTS; SINK CABINETS, STORAGE CABINETS AND LOCKERS, OPEN SHELF UNITS FOR MOUNTING ON WALLS AND BASE UNITS FOR PROVIDING CUPBOARDS, STORAGE COMPARTMENTS AND SHELVING; PANTRY UNITS COMPRISING INTEGRATED AND SECTIONAL STORAGE AND SHELVING CABINETS; CUPBOARDS, WALL UNITS OR CABINETS, CORNER UNITS OR CABINETS, BROOM AND PLATE UNITS OR CABINETS, AND WHATNOTS.
Claims use since Jan. 1, 1935.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 505,151. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif. Filed July 6, 1946.

Kitchenaire

FOR VENTILATORS FOR COOKING EQUIPMENT.
Claims use since May 27, 1946.

Ser. No. 505,893. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif. Filed July 19, 1946.

DOHRCO Kitchenaire

FOR VENTILATORS FOR COOKING EQUIPMENT.
Claims use since May 27, 1946.

Ser. No. 507,294. BOYLE LEATHER GOODS CO. INC., New York, N. Y. Filed Aug. 13, 1946.

FLAME-KING

The word "Flame" is disclaimed apart from the mark.
FOR PYROPHORIC CIGARETTE LIGHTERS.
Claims use since July 19, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 493,298. UNITED STATES ENVELOPE COMPANY, doing business as P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 14, 1945.

Chinese Floral

No claim is made to the word "Chinese" apart from the mark.
FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since June 15, 1944.

Ser. No. 493,301. UNITED STATES ENVELOPE COMPANY, doing business as P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 14, 1945.

"Romantic Me"

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since June 15, 1944.

Ser. No. 493,856. UNITED STATES ENVELOPE COMPANY, doing business as P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 22, 1945.

Chien du Mode

No claim is made to the word "Mode" apart from the mark.
FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since July 28, 1944.

Ser. No. 493,904. UNITED STATES ENVELOPE COMPANY, doing business as P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 26, 1945.

Persian Bouquet

No claim is made to the word "Persian" apart from the mark.
FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since Apr. 24, 1945.

Ser. No. 494,169. UNITED STATES ENVELOPE COMPANY, doing business as P. P. Kellogg & Co., Springfield, Mass. Filed Dec. 31, 1945.

Flowers of Friendship

FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since July 12, 1945.

Ser. No. 494,171. UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed Dec. 31, 1945.

Linweave
Fine Letter
rag content

No claim is made to the wording "Fine Letter" nor "Rag Content" apart from the mark.
FOR PAPER FOR PRINTING AND ENGRAVING PURPOSES AND FOR CORRESPONDENCE PAPER AND ENVELOPES.
Claims use since February 1932.

Ser. No. 501,240. ARTHUR N. DAVIS, doing business as Ard Products Co., Chicago, Ill., assignor to Paul Lasman, Chicago, Ill. Filed May 1, 1946.

PERM-A-CLIP

The word "Clip" is disclaimed apart from the mark.
FOR BOOK MARKS.
Claims use since Apr. 11, 1946.

Ser. No. 502,453. THE PARKER PEN COMPANY, Janesville, Wis. Filed May 20, 1946.

JOTTER

FOR FOUNTAIN PENS, MECHANICAL PENCILS, AND PEN AND PENCIL DESK SETS.
Claims use since May 10, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 486,738. ARCADY FARMS MILLING COMPANY, Chicago, Ill. Filed Aug. 6, 1945.

LET'S TALK Turkey

No exclusive right to the word "Turkey" is claimed apart from the mark.
FOR COLUMN OR SECTION IN A PERIODICALLY ISSUED PRINTED PUBLICATION.
Claims use since June 25, 1945.

Ser. No. 494,055. GARTNER & BENDER, INC., Chicago, Ill Filed Dec. 29, 1945.

GB

FOR GREETING CARDS.
Claims use since Dec. 10, 1945.

Ser. No. 497,046. SAVAGE. INC., Buffalo, N. Y. Filed Feb. 21, 1946.



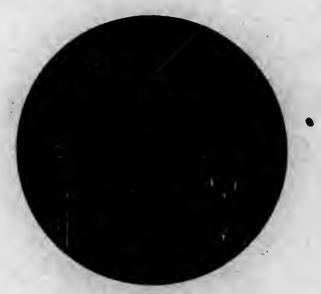
The word "Tags" is disclaimed apart from the mark.
FOR TAGS, PRINTED AND READY FOR USE.
Claims use since Nov. 13, 1943.

Ser. No. 497,289. AMERICAN PEACE SOCIETY, Washington, D. C. Filed Feb. 27, 1946.

WORLD AFFAIRS

FOR MAGAZINE PUBLISHED QUARTERLY.
Claims use since June 1932.

Ser. No. 498,984. COWLES MAGAZINES, INC., Des Moines, Iowa. Filed Mar. 26, 1946.



FOR SECTION OF A REGULARLY ISSUED MAGAZINE.
Claims use since Aug. 7, 1945.

Ser. No. 499,139. F. E. MASON & SONS, Batavia, N. Y. Filed Mar. 28, 1946.



No claim is made to the name "Mason" apart from the mark.
FOR EMBOSSED LABELS AND PRINTED LABELS.
Claims use since Mar. 1, 1945.

Ser. No. 500,880. THE HEARST CORPORATION, New York, N. Y. Filed Apr. 25, 1946.

HERKIMER FUDDLE

The word "Herkimer" apart from the mark shown is disclaimed.
FOR NEWSPAPER CARTOON PAGE AND/OR STRIP.
Claims use since Feb. 4, 1946.

Ser. No. 501,049. THE CROSLEY CORPORATION, Cincinnati, Ohio. Filed Apr. 27, 1946.

MOON RIVER

FOR RADIO SCRIPTS PUBLISHED IN A CONTINUING SERIES AND DISTRIBUTED IN TRADE AS PUBLICATIONS.
Claims use since Apr. 25, 1946.

Ser. No. 501,466. MESZAROS & FISHER, Chicago, Ill. Filed May 4, 1946.

Advertune

FOR SHEET MUSIC AND MUSICAL PUBLICATIONS.
Claims use since Apr. 10, 1946.

Ser. No. 502,350. TRIBUNE COMPANY, doing business as Chicago Tribune, Chicago, Ill. Filed May 17, 1946.

KITH AND KIN

FOR SERIES OF CARTOONS.
Claims use since Apr. 15, 1945.

Ser. No. 502,351. TRIBUNE COMPANY, doing business as Chicago Tribune, Chicago, Ill. Filed May 17, 1946.



FOR SERIES OF CARTOONS.
Claims use since Apr. 29, 1946.

Ser. No. 502,424. COMMERCE CLEARING HOUSE, INC., Chicago, Ill. Filed May 20, 1946.

CCH

FOR BOOKS, MAGAZINES, PAMPHLETS, AND TOPICAL LAW REPORTERS.
Claims use since July 7, 1927.

Ser. No. 502,672. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed May 23, 1946.

Life Around the World

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since May 21, 1946.

Ser. No. 502,673. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed May 23, 1946.

Intercepts

FOR SECTION OF PERIODICAL PUBLICATIONS.
Claims use since Apr. 29, 1946.

CLASS 39
CLOTHING

Ser. No. 486,708. ALLHI PRODUCTS, Stratford, Conn. Filed Aug. 4, 1945.

Allhi

FOR BRASSIÈRES.
Claims use since Aug. 1, 1945.

Ser. No. 488,036. KAYLON INCORPORATED, New York, N. Y. Filed Sept. 6, 1945.

Lumba-checks

The words "Checks" is disclaimed except in combination with the mark shown.
FOR MEN'S PAJAMAS, NIGHT ROBES, AND SHIRTS, AND LADIES' PAJAMAS AND NIGHT ROBES.
Claims use since July 1934.

Ser. No. 496,069. JOSEPH CONROY, GLOVES, Johnstown, N. Y. Filed Feb. 6, 1946.



The drawing is lined for the color red. The word "Fit" and the representation of the glove are disclaimed apart from the mark.
FOR LEATHER GLOVES AND MITTENS.
Claims use since Nov. 9, 1945.

Ser. No. 496,957. GOLDWASSER MATERNITY DRESSES INC., New York, N. Y. Filed Feb. 20, 1946.

Infantidings

FOR WOMEN'S DRESSES.
Claims use since Jan. 26, 1946.

Ser. No. 498,673. WOLFE & LANG, INC., New York, N. Y. Filed Mar. 20, 1946.

FORTUNA

FOR GIRDLES, CORSETS, AND BRASSIÈRES.
Claims use since February 1935.

Ser. No. 498,716. SCHLEIFER & LUBELL, New York, N. Y. Filed Mar. 21, 1946.

FLAPAROUND

FOR CHILDREN'S AND GIRLS' DRESSES, BLOUSES, OUTER SKIRTS, AND PLAY SUITS.
Claims use since May 14, 1945.

Ser. No. 499,174. TRUBENIZING PROCESS CORPORATION, New York, N. Y., assignor to Essley Shirt Company, Inc., New York, N. Y. Filed Mar. 28, 1946.

TRUB

FOR OUTER SHIRTS, COLLARS, AND CUFFS.
Claims use since Mar. 1, 1946.

Ser. No. 499,175. TRUBENIZING PROCESS CORPORATION, New York, N. Y., assignor to Essley Shirt Company, Inc., New York, N. Y. Filed Mar. 28, 1946.

TRUBEN

FOR OUTER SHIRTS, COLLARS, AND CUFFS.
Claims use since Mar. 1, 1946.

Ser. No. 499,244. HERBERT E. LEVY, JR., Houston, Tex. Filed Mar. 29, 1946.

RIQUÉ

FOR LADIES' AND MISSES' SHOES MADE OF LEATHER, FABRIC, PLASTIC, OR OF COMBINATIONS THEREOF.
Claims use since Feb. 1, 1940.

Ser. No. 500,651. GERDA FOOTWEAR CO., New York, N. Y. Filed Apr. 22, 1946.

CUCA-RACHAS

FOR MEN'S, WOMEN'S AND CHILDREN'S SHOES AND SANDALS MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF.
Claims use since Dec. 15, 1945.

Ser. No. 500,856. CARWOOD MANUFACTURING COMPANY, Winder, Ga. Filed Apr. 25, 1946.

CARWOOD

FOR MEN'S AND BOYS' WORK PANTS, WORK SHIRTS, OVERALLS, LINED COATS, SPORTSWEAR—NAMELY, SLACKS, KNICKERS, SHIRTS AND JACKETS; AND INDUSTRIAL UNIFORMS—NAMELY, SHIRTS AND PANTS TO MATCH.
Claims use since January 1927.

Ser. No. 501,141. SIDALLIS, INC., New York, N. Y. Filed Apr. 29, 1946.

Sidallis

FOR BRASSIÈRES.
Claims use since Jan. 28, 1946.

Ser. No. 501,165. CONRAD SHOE COMPANY, North Abington, Mass. Filed Apr. 30, 1946.

BOONDOCKERS

FOR MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Mar. 29, 1946.

Ser. No. 501,194. OLD COLONY SHOE COMPANY, doing business as C. H. Alden Shoe Co., Brockton, Mass. Filed Apr. 30, 1946.

KINETIC SHOES

The word "Shoes" is disclaimed apart from the mark.
FOR MEN'S SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Apr. 5, 1946.

Ser. No. 502,565. EASTERN ISLES IMPORTING CO. INC., New York, N. Y. Filed May 22, 1946.

Eastern Isles

FOR SLIPS, HOUSECOATS, BLOUSES, PYJAMAS, NIGHTGOWNS, BEDJACKETS, PANTIES, PETTICOATS, DRESSES, PLAYSUITS, SLEEP-COATS, ROBES FOR WOMEN, AND CHILDREN; AND INFANTS' DRESSES AND SUITS.
Claims use since 1917.

Ser. No. 503,381. MARGULIS BROTHERS, St. Louis, Mo. Filed June 6, 1946.

SLENDERELLA

FOR WEARING APPAREL FOR WOMEN, MISSES, AND GIRLS—NAMELY, SLIPS, PAJAMAS, NIGHTGOWNS, HOUSECOATS, SKIRTS AND JACKETS, SLACKS AND SLACKSUITS.
Claims use since Feb. 14, 1939.

Ser. No. 505,106. INFANTS SOCKS, INC., Reading, Pa. Filed July 5, 1946.

REVELRY

FOR POLO SHIRTS AND HOSIERY.
Claims use since Mar. 8, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 501,084. NASHUA MANUFACTURING COMPANY, Boston, Mass. Filed Apr. 27, 1946.

Snowcot

FOR COTTON BLANKETS.
Claims use since Apr. 18, 1946.

Ser. No. 501,205. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name to Dan River Mills Incorporated. Filed Apr. 30, 1946.

DANCRAFT

FOR SHEETS, SHEETING, AND PILLOWCASES.
Claims use since Mar. 28, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 493,254. CONSTANT TRACTION DRESSING CO., INC., Providence, R. I. Filed Dec. 14, 1945.

CTD

FOR SURGICAL DRESSINGS.
Claims use since July 23, 1945.

Ser. No. 494,003. AUSTENAL LABORATORIES, INCORPORATED, New York, N. Y. Filed Dec. 29, 1945.

AUSTENAL MICROMOLD TEETH

Exclusive right to the use of the word "Teeth" is not claimed apart from the mark.
FOR ARTIFICIAL TEETH AND MOLDS FOR FORMING SAME.
Claims use since Dec. 14, 1945.

Ser. No. 512,163. COSMOS DENTAL PRODUCTS, INC., New York, N. Y. Filed Nov. 7, 1946.

MUCO-TEC

FOR COATING OR LINING COMPOSITION FOR DENTAL MOLDS.
Claims use since Oct. 29, 1946.

Ser. No. 512,164. COSMOS DENTAL PRODUCTS, INC., New York, N. Y. Filed Nov. 7, 1946.

MUCO-TEX

FOR SYNTHETIC RESIN DENTURE BASE MATERIALS.
Claims use since Oct. 29, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 485,208. FROSTAR FROZEN FOOD CENTERS, INC., White Plains, N. Y. Filed June 29, 1945.

FROSTAR

FOR QUICK FROZEN FOODS—NAMELY, VEGETABLES AND BERRIES.
Claims use since Nov. 19, 1940.

Ser. No. 489,913. HAROLD KRASNER, doing business under the name of Dixie Party Foods, Belleville, N. J. Filed Oct. 13, 1945.



The representation of the pretzel is disclaimed apart from the mark.
FOR PRETZELS.
Claims use since Sept. 22, 1945.

Ser. No. 503,542. ABBOTT LABORATORIES, North Chicago, Ill. Filed June 10, 1946.

DENSITOL

FOR BROMINATED VEGETABLE OIL FOR A STABILIZING AGENT FOR LIQUID FOODS OR BEVERAGES.
Claims use since May 21, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 501,315. THE ELVERSON DISTILLING COMPANY, INC., Philadelphia, Pa. Filed May 2, 1946.

TRAINER

FOR POTABLE, DISTILLED SPIRITOUS BEVERAGES, PARTICULARLY WHISKEY.
Claims use since Apr. 25, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 487,425. THE MADAMOISELLE CO., Philadelphia, Pa. Filed Aug. 22, 1945.

SWEET SIXTEEN

FOR HOME PERMANENT WAVING KIT CONTAINING CURLERS, TISSUES, AND NEUTRALIZING AND PERMANENT WAVE LOTIONS.
Claims use since June 14, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 31, 1946

426,519. AUTOMOBILES, MOTORCYCLES, AND MOTOR TRICYCLES. Societe Generale Francaise de Construction Automobile (Societe Anonyme), Paris, France.
Filed December 20, 1941. Serial No. 449,654. PUBLISHED OCTOBER 15, 1946. Class 19.

426,520. CANDY. Sugar Products Co., Bloomfield, N. J.
Filed November 23, 1943. Serial No. 465,234. PUBLISHED OCTOBER 8, 1946. Class 46.

426,521. DISPENSER CABINETS—NAMELY, CABINETS FOR DISPENSING LENS CLEANING FLUID AND/OR TISSUES FOR CLEANING EYEGLASSES, SAFETY GOGGLES, OR OTHER LENSES. Ralph R. Wilkins, doing business as The Wilkins Company, Cortland, N. Y.
Filed June 9, 1944. Serial No. 471,111. PUBLISHED OCTOBER 15, 1946. Class 2.

426,522. TOYS—NAMELY, HOLSTER SETS MADE OF LEATHER AND IMITATION LEATHER, TOY GUNS AND PISTOLS, LARIATS AND COWBOY OUTFITS. Esquire Novelty Co., New York, N. Y.
Filed January 6, 1945. Serial No. 478,312. PUBLISHED MARCH 27, 1945. Class 22.

426,523. GINGER ALE, ROOT BEER, ORANGE SODA, AND LIME DRY. Adam Scheidt Brewing Company, Norristown, Pa.
Filed March 28, 1945. Serial No. 481,439. PUBLISHED SEPTEMBER 24, 1946. Class 45.

426,524. WITHDRAWN.

426,525. VEHICLES—NAMELY, AMPHIBIOUS VEHICLES, AND PARTS THEREOF. Borg-Warner Corporation, Chicago, Ill.
Filed May 4, 1945. Serial No. 482,974. PUBLISHED OCTOBER 15, 1946. Class 19.

426,526. DRESSED DOLLS. Nancy Ann Dressed Dolls, San Francisco, Calif., assignor to Nancy Ann Storybook Dolls, Inc., San Francisco, Calif., a corporation of California.
Filed May 7, 1945. Serial No. 483,078. PUBLISHED JULY 9, 1946. Class 22.

426,527. MOBILE UNITS FOR FIRE EXTINGUISHING EQUIPMENT—NAMELY, AUTOMOTIVE CHASSIS FOR MOUNTING THEREON OF MODERN FIRE FIGHTING APPARATUS, ETC. Walter Kidde & Company, Inc., New York, N. Y., and Belleville, N. J.
Filed June 30, 1945. Serial No. 485,287. PUBLISHED OCTOBER 15, 1946. Class 19.

426,528. PETROLEUM PRODUCTS CONSISTING OF GASOLINE, LUBRICATING OILS, LUBRICATING GREASES, AND A MIXTURE OF GASOLINE AND LUBRICATING OIL ADAPTED FOR USE IN TWO-STROKE ENGINES. Societe Anonyme Solex, Neuilly-Sur-Seine (Seine), France.
Filed July 3, 1945. Serial No. 485,424. PUBLISHED OCTOBER 1, 1946. Class 15.

426,529. PETROLEUM PRODUCTS CONSISTING OF GASOLINE, LUBRICATING OILS, LUBRICATING GREASES, AND A MIXTURE OF GASOLINE AND LUBRICATING OIL ADAPTED FOR USE IN TWO-STROKE ENGINES. Societe Anonyme Solex, Neuilly-Sur-Seine (Seine), France.
Filed July 3, 1945. Serial No. 485,425. PUBLISHED OCTOBER 8, 1946. Class 15.

426,530. AIRCRAFT STRUCTURAL PARTS COMPRISED OF THERMOPLASTIC AND ORGANIC CLOTH SOMETIMES COMBINED WITH CELLULAR ORGANIC MATERIAL, ETC. Virginia-Lincoln Corporation, Marion, Va.
Filed July 13, 1945. Serial No. 485,801. PUBLISHED OCTOBER 15, 1946. Class 19.

426,531. SHEET MATERIAL COMPRISED OF TEXTILE FABRIC COMBINED WITH PLASTIC COMPOSITION AND DESIGNED FOR MAKING SHOE SOLES. Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn.
Filed August 9, 1945. Serial No. 486,936. PUBLISHED OCTOBER 1, 1946. Class 50.

426,532. RELIGIOUS AND GIFT STATUES, STATUETTES, ARTIFICIAL FLOWERS, WALL PLAQUES, FIGURINES FOR CHURCH AND HOME DECORATION, ETC. Syracuse Ornamental Co., Syracuse, N. Y.
Filed August 18, 1945. Serial No. 487,292. PUBLISHED OCTOBER 1, 1946. Class 50.

426,533. CANDLES. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.
Filed September 13, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 488,420. PUBLISHED OCTOBER 1, 1946. Class 15.

426,534. BRAKE BEAM SAFETY SUPPORTS FOR RAILWAY CARS. Grip Nut Company, Chicago, Ill.
Filed September 27, 1945. Serial No. 489,068. PUBLISHED OCTOBER 15, 1946. Class 19.

426,535. WAR RECORD PLAQUES OF CARDBOARD. R. B. Barry and Company, San Francisco, Calif.
Filed October 31, 1945. Serial No. 490,782. PUBLISHED OCTOBER 1, 1946. Class 50.

426,536. TWINE. Bemis Bro. Bag Company, St. Louis, Mo.
Filed November 2, 1945. Serial No. 490,921. PUBLISHED OCTOBER 15, 1946. Class 7.

426,537. GARLIC SAUCE AND SOY SAUCE AND WINE VINEGARS. Leigh Silliphant, Glendale, Calif.
Filed November 6, 1945. Serial No. 491,173. PUBLISHED OCTOBER 8, 1946. Class 46.

426,538. MEAT AND MEAT PRODUCTS—NAMELY, BOLOGNA, LIVER SAUSAGE, SALAMI, LUNCHEON SAUSAGE, PIMIENTO SAUSAGE, PORK SAUSAGE, AND HAM. Clougherty Bros., Vernon, Calif., assignor to Clougherty Packing Company, Vernon, Calif., a corporation of California
Filed November 8, 1945. Serial No. 491,232. PUBLISHED OCTOBER 8, 1946. Class 46.

426,539. ELECTRIC OR GASOLINE PASSENGER CARRYING VEHICLE, DESIGNED FOR USE FOR PERSONALIZED TRANSPORTATION, ETC. Frantz Industries, also doing business as Aero-Pel, Los Angeles, Calif.
Filed November 19, 1945. Serial No. 491,822. PUBLISHED OCTOBER 15, 1946. Class 19.

426,540. WHISKEY. Foster & Company, New York, N. Y.
Filed December 21, 1945. Serial No. 493,673. PUBLISHED OCTOBER 1, 1946. Class 49.

426,541. GARMENT HANGERS. Macy O. Tretor, doing business as M. O. T. Industries, New Castle, Ind.
Filed January 11, 1946. Serial No. 494,639. PUBLISHED OCTOBER 8, 1946. Class 50.

426,542. RUM. J. O. Garcia Arcelay, doing business as Licoreria Garcia, Mayaguez, P. R.
Filed January 15, 1946. Serial No. 494,769. PUBLISHED OCTOBER 1, 1946. Class 49.

426,543. SWABS USED FOR THE REMOVAL OF NAIL POLISH. Joseph P. Luscri, Cleveland, Ohio.
Filed January 26, 1946. Serial No. 495,484. PUBLISHED OCTOBER 15, 1946. Class 44.

426,544. SMALL BOATS FOR ROWING, SAILING, OR MOTOR-PROPELLED USE. E. Selman Graves, Marblehead, Mass.
Filed January 31, 1946. Serial No. 495,731. PUBLISHED OCTOBER 15, 1946. Class 19.

426,545. PORT WINE PRODUCED IN PORTUGAL. Austin, Nichols & Co., Incorporated, Brooklyn, N. Y.
Filed February 2, 1946. Serial No. 495,857. PUBLISHED OCTOBER 1, 1946. Class 47.

426,546. SHERRY WINE PRODUCED IN SPAIN. Austin, Nichols & Co., Incorporated, Brooklyn, N. Y.
Filed February 7, 1946. Serial No. 496,119. PUBLISHED OCTOBER 1, 1946. Class 47.

426,547. LUBRICATING OILS. The Canfield Oil Company, Cleveland, Ohio.
Filed February 8, 1946. Serial No. 496,197. PUBLISHED OCTOBER 1, 1946. Class 15.

426,548. TAPE DISPENSERS FOR SERVING ADHESIVE TAPE, SOLD EMPTY. Better Packages, Incorporated, Shelton, Conn.
Filed February 15, 1946. Serial No. 496,601. PUBLISHED OCTOBER 15, 1946. Class 2.

426,549. FEEDS FOR POULTRY—NAMELY, STARTING, GROWING AND LAYING MASHES; AND FEEDS FOR LIVESTOCK—NAMELY, DAIRY FEED AND PIG AND HOG FEED. Leco Feed Mills, Inc., Kinston, N. C.
Filed February 15, 1946. Serial No. 496,640. PUBLISHED OCTOBER 8, 1946. Class 46.

426,550. FISH BAITS AND FISH LURES. The American Display Company, Dayton, Ohio.
Filed February 25, 1946. Serial No. 497,155. PUBLISHED OCTOBER 15, 1946. Class 22.

426,551. SMALL BOATS SUITABLE FOR ROWING, SAILING, AND MOTOR-PROPELLED USE. Patrick Murphy, Inc., City Island, N. Y.
Filed February 27, 1946. Serial No. 497,323. PUBLISHED OCTOBER 15, 1946. Class 19.

426,552. BOTTLE CLOSURES. Standard Cap and Seal Corporation, Chicago, Ill.
Filed February 27, 1946. Serial No. 497,346. PUBLISHED OCTOBER 1, 1946. Class 50.

426,553. AWNINGS, TENTS, CANOPIES, AWNING AND TENT FITTINGS AND FIXTURES. The Wagner Awning & Manufacturing Company, Cleveland, Ohio.
Filed March 6, 1946. Serial No. 497,757. PUBLISHED OCTOBER 1, 1946. Class 50.

426,554. PHONOGRAPH SOUND RECORDS, MECHANICALLY GROOVED. Thomas B. Couper, Jr., Glen Ridge, N. J.
Filed March 8, 1946. Serial No. 497,848. PUBLISHED OCTOBER 8, 1946. Class 36.

426,555. WINES. Munson G. Shaw Co., New York, N. Y.
Filed March 11, 1946. Serial No. 498,365. PUBLISHED SEPTEMBER 24, 1946. Class 47.

426,556. TENTS. C. R. Daniels, Inc., Hillsdale, Baltimore, Md.
Filed March 19, 1946. Serial No. 498,507. PUBLISHED OCTOBER 8, 1946. Class 50.

426,557. GROOVED PHONOGRAPH RECORDS. Capitol Records, Inc., Los Angeles, Calif.
Filed March 26, 1946. Serial No. 498,980. PUBLISHED OCTOBER 1, 1946. Class 36.

426,558. STRAIGHT BOURBON WHISKEY, STRAIGHT RYE WHISKEY, AND BLENDED WHISKEY. Churchill, Limited, Baltimore, Md.
Filed March 27, 1946. Serial No. 499,046. PUBLISHED OCTOBER 1, 1946. Class 49.

426,559. HAND TRUCKS. Precision Welding and Engineering Company, Cleveland, Ohio.
Filed March 27, 1946. Serial No. 499,075. PUBLISHED OCTOBER 15, 1946. Class 19.

426,560. DRY POWDERED PAPAYA. Wyeth Incorporated, Philadelphia, Pa.
Filed March 30, 1946. Serial No. 499,365. PUBLISHED OCTOBER 1, 1946. Class 46.

426,561. PEANUT BUTTER. Floyd H. Searcy, doing business as Rose City Foods, Thomasville, Ga.
Filed April 1, 1946. Serial No. 499,436. PUBLISHED OCTOBER 8, 1946. Class 46.

426,562. LEMON JUICE FOR FOOD PURPOSES. Charles A. Kramer, doing business as Southern California Fruit Products Co., Los Angeles, Calif.
Filed April 2, 1946. Serial No. 499,498. PUBLISHED OCTOBER 1, 1946. Class 46.

426,563. FRUIT-CEREAL BEVERAGE OR IMITATION COFFEE. Ludolf G. Schroeder, doing business as Zatso Products Company, Pine Plains, N. Y.
Filed April 2, 1946. Serial No. 499,512. PUBLISHED OCTOBER 1, 1946. Class 46.

426,564. FRESH APPLES. P. A. Scurich & Sons, Watsonville, Calif.
Filed April 2, 1946. Serial No. 499,514. PUBLISHED OCTOBER 1, 1946. Class 46.

426,565. CORN WHISKEY. Penndale Distilling Company, Philadelphia, Pa.
Filed April 5, 1946. Serial No. 499,729. PUBLISHED OCTOBER 8, 1946. Class 49.

426,566. WINES. Kobrand Corporation, New York, N. Y.
Filed April 9, 1946. Serial No. 499,904. PUBLISHED OCTOBER 1, 1946. Class 47.

426,567. WINE. Eugene P. Franek, doing business under the name Franek's Wholesale Liquor, New Orleans, La.
Filed April 12, 1946. Serial No. 500,071. PUBLISHED SEPTEMBER 24, 1946. Class 47.

426,568. RAISINS. D. R. Hoak, doing business as West Coast Growers & Packers, Fresno, Calif.
Filed April 16, 1946. Serial No. 500,304. PUBLISHED OCTOBER 8, 1946. Class 46.

426,569. CHINA DINNERWARE AND CHINA AND EARTHENWARE CHAMBERS, PITCHERS, AND BOWLS FOR BEDROOM USE, TEAPOTS AND CUSPIDORS. Consolidated Cosmetics, Chicago, Ill.
Filed April 20, 1946. Serial No. 500,605. PUBLISHED OCTOBER 8, 1946. Class 30.

426,570. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME. Concordade Company, Inc., Providence, R. I.
Filed May 15, 1946. Serial No. 502,122. PUBLISHED OCTOBER 8, 1946. Class 45.

426,571. NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING SAME. Herman E. Kornblum, Monticello, N. Y.
Filed May 25, 1946. Serial No. 502,757. PUBLISHED OCTOBER 8, 1946. Class 45.

426,572. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. The Bevodel Company, Sacramento, Calif.
Filed May 29, 1946. Serial No. 502,941. PUBLISHED OCTOBER 8, 1946. Class 45.

426,573. OUTDOOR, WINDPROOF, CARD HOLDERS. GEISLER GANZ CORP., New York, N. Y.
Filed June 12, 1946. Serial No. 503,723. PUBLISHED OCTOBER 15, 1946. Class 22.

426,574. HAND DRIVEN CIRCULATING WATER STREAM AND TOY BOAT. FREDERICK JOHN SCHARKOPF, Valley Stream, N. Y.
Filed June 12, 1946. Serial No. 503,761. PUBLISHED OCTOBER 15, 1946. Class 22.

426,575. ARTIFICIAL FISH BAITS. GEORGE M. GALLOWAY, doing business as Grand Lake Fishing Tackle, Celina, Ohio.
Filed June 21, 1946. Serial No. 504,348. PUBLISHED OCTOBER 15, 1946. Class 22.

426,576. ARTIFICIAL FISH BAITS. GEORGE M. GALLOWAY, doing business as Grand Lake Fishing Tackle, Celina, Ohio.
Filed June 22, 1946. Serial No. 504,437. PUBLISHED OCTOBER 15, 1946. Class 22.

426,577. HANDBAGS. HAWKINS & ORCUTT, Gloversville, N. Y.
Filed July 3, 1946. Serial No. 505,056. PUBLISHED OCTOBER 15, 1946. Class 3.

426,578. DOLLS. FEB KNODE INC., South Bend, Ind.
Filed July 22, 1946. Serial No. 506,036. PUBLISHED OCTOBER 15, 1946. Class 22.

426,579. FISH LURES. DILLARD D. DAUGHHETEE, doing business as Gee Wiz Bait Co., Richland Center, Wis.
Filed August 9, 1946. Serial No. 507,111. PUBLISHED OCTOBER 15, 1946. Class 22.

426,580. COIN CONTROLLED AMUSEMENT APPARATUS. AMUSEMATIC CORPORATION, Chicago, Ill.
Filed August 15, 1946. Serial No. 507,452. PUBLISHED OCTOBER 15, 1946. Class 22.

426,581. COIN CONTROLLED AMUSEMENT GAME APPARATUS. KRUSE & CONNOR, Chicago, Ill.
Filed August 15, 1946. Serial No. 507,474. PUBLISHED OCTOBER 15, 1946. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

426,582. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) OWENS-CORNING FIBERGLAS CORPORATION, Toledo, Ohio. Filed July 24, 1944. Serial No. 472,579.

FIBERGLAS

FOR ELECTRICAL INSULATION IN THE FORM OF BRAIDED SLEEVING, TAPES, CLOTH, YARNS, STRANDS, AND SLIVERS; AND STORAGE BATTERY RETAINER MATS AND BATTERY PLATE WRAPPERS, ALL CONTAINING GLASS FIBERS.
Claims use since Jan. 17, 1936.

426,583. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) OWENS-CORNING FIBERGLAS CORPORATION, Toledo, Ohio. Filed July 24, 1944. Serial No. 472,584.

FIBERGLAS

FOR FLOCK AND MILLED GLASS FIBERS.
Claims use since Jan. 17, 1936.

426,584. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) RICHMOND-WALKER MANUFACTURING CO., Oakland, Calif. Filed Aug. 24, 1944. Serial No. 473,581.

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FOR NOVELTY JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES.
Claims use since June 24, 1944.

426,585. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) JULES HALL, doing business as Hall Fabrics Company, New York, N. Y. Filed Sept. 13, 1944. Serial No. 474,159.

"Styled by Hall"

FOR COTTON AND RAYON FABRICS.
Claims use since Apr. 9, 1940.

426,586. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) ALUMNI RESEARCH FOUNDATION OF THE COLLEGE OF MEDICAL EVANGELISTS, Loma Linda, Calif. Filed Sept. 18, 1944. Serial No. 474,312.

NEUFELD
FEMORAL NAIL PLATE

FOR DEVICES FOR THE INTERNAL FIXATION OF FRACTURED FEMURS.
Claims use since July 1, 1939.

426,587. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELEANORE PRICE, doing business as White Orchid Cosmetic Co., Hollywood, Calif. Filed Oct. 31, 1944. Serial No. 475,925.

White Orchid

FOR LIQUID CLEANSING CREAM DESIGNED FOR REMOVING MAKE-UP.
Claims use since Oct. 19, 1944.

426,588. (CLASS 39. CLOTHING.) POTOK CORPORATION, New York, N. Y. Filed July 16, 1945. Serial No. 485,884.

Penny Wright

FOR CHILDREN'S AND MISSES' BLOUSES.
Claims use since June 1, 1945.

426,589. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VINCENT THARP BRUHN, doing business as Vic. T. Bruhn Co., Philadelphia, Pa. Filed Aug. 3, 1945. Serial No. 486,659.

STYL-ART

FOR CHINA AND METAL TABLE ELECTRIC LAMPS, FLOOR ELECTRIC LAMPS, BRIDGE ELECTRIC LAMPS, AND BOUDOIR ELECTRIC LAMPS.
Claims use since July 27, 1945.

426,590. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FLOYD R. BIGGS, doing business as Rogers Insulated Wire Co., St. Louis, Mo. Filed Aug. 6, 1945. Serial No. 486,746.

ROGERS wire

FOR AUTOMOTIVE IGNITION WIRE AND WIRE SETS.
Claims use since July 1, 1943.

426,591. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARMAN WATCH COMPANY, New York, N. Y. Filed Sept. 10, 1945. Serial No. 488,217.

HARMAN

FOR RADIO RECEIVERS, RADIO TRANSMITTERS; TELEVISION RECEIVERS AND TRANSMITTERS; ELECTRIC BELLS, BUZZERS AND DOOR CHIMES; ELECTRIC APPLIANCES—NAMELY, HEATERS, TOASTERS, WAFFLE IRONS, IRONS, PERCOLATORS, COOKING STOVES; ELECTRIC LAMPS; ELECTRIC FOOD MIXERS; ELECTRIC BROILERS; ELECTRIC HAIR WAVING AND CURLING APPLIANCES FOR HOME USE; ELECTRIC LIGHTING FIXTURES; ELECTRIC ANNUNCIATORS, ELECTRICAL OUTLET BOXES AND CONNECTING PLUGS; ELECTRIC TRANSFORMERS AND CURRENT REGULATORS; AND ELECTRONIC APPARATUS FOR ACTUATING CONTROLLERS OF RADIO AND TELEVISION RECEIVING SETS AND DOOR OPENERS.
Claims use since July 15, 1944.

426,592. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) VARGAS MANUFACTURING COMPANY, Providence, R. I. Filed Sept. 24, 1945. Serial No. 488,940.

VARGAS

FOR JEWELRY FOR PERSONAL ADORNMENT (NOT INCLUDING WATCHES)—NAMELY, PINS, BROOCHES, BRACELETS, PENDANTS, CHAINS, NECKLACES, FINGER RINGS, EARRINGS AND MEDALS MADE WHOLLY OR PARTLY OF PRECIOUS METALS.
Claims use since June 1, 1945.

426,593. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) ANGLO FABRICS COMPANY, New York, N. Y., assignor to Anglo Fabrics Company, Inc., New York, N. Y., a corporation of New York. Filed Nov. 5, 1945. Serial No. 491,045.

Lindawool

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Sept. 26, 1945.

426,594. (CLASS 37. PAPER AND STATIONERY.) UNIVERSAL RIBBON COMPANY, New York, N. Y. Filed Nov. 8, 1945. Serial No. 491,292.

COLORAP

FOR WRAPPING PAPER AND PRINTING PAPER.
Claims use since Oct. 11, 1945.

426,595. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INTERCONTINENTAL AUDIO-VIDEO CORPORATION, New York, N. Y. Filed Nov. 14, 1945. Serial No. 491,570.

Curriculum

FOR MOTION PICTURE FILMS AND FILM STRIPS.
Claims use since Oct. 31, 1945.

426,596. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LOWELL SPECIALTY CO., doing business as Lowell Manufacturing Co., Chicago, Ill., and Lowell, Mich. Filed Nov. 19, 1945. Serial No. 491,858.

THORO-SPRAY

FOR SMALL PORTABLE UNITARY ELECTRIC INSECTICIDE SPRAYERS.
Claims use since Oct. 4, 1945.

426,597. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ASSOCIATED PRODUCTS, INC., Toledo, Ohio. Filed Nov. 21, 1945. Serial No. 491,956.

LEDO

FOR ELECTRIC RANGES.
Claims use since Oct. 18, 1945.

426,598. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TRAUBEE PRODUCTS, INC., Brooklyn, N. Y. Filed Nov. 21, 1945. Serial No. 492,008.



FOR PRESSURE COOKERS, MADE OF BASE METAL.
Claims use since Nov. 1, 1945.

426,599. (CLASS 37. PAPER AND STATIONERY.) MOSINEE PAPER MILLS COMPANY, Mosinee, Wis. Filed Dec. 8, 1945. Serial No. 492,939.

MOSINEE

FOR PAPER—NAMELY, WRAPPING, HEAVY DUTY BAG, GUMMING, ASPHALTING, TWISTING, ABSORBENT, CREPING, BUTCHERS', GREASE-PROOF, HIGH DENSITY, LAMINATED, COIN WRAP, AND REINFORCED.
Claims use since Sept. 25, 1915.

426,600. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE DENTAL SPECIALTY MANUFACTURING CO., INC., Denver, Colo. Filed Dec. 17, 1945. Serial No. 493,434.

"DENSCO Service"

FOR METHYL METHACRYLATE DENTURE MATERIAL (BOTH LIQUID AND POWDER FORMS).
Claims use since Jan. 1, 1939.

426,601. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) BARD MANUFACTURING COMPANY, Bryan, Ohio. Filed Jan. 23, 1946. Serial No. 495,209.

BARD

FOR OIL, COAL AND GAS FIRED, HOT AIR FURNACES.
Claims use since October 1935.

426,602. (CLASS 37. PAPER AND STATIONERY.) ELBE FILE & BINDER CO. INC., Fall River, Mass. Filed Feb. 21, 1946. Serial No. 497,019.

THE ELBE LINE

FOR STATIONERY AND OFFICE SUPPLIES—NAMELY, LOOSE-LEAF BINDERS, INDEXES, CELLULOID TABS, RINGS, FILLERS, SCREW POSTS, CLIP BINDERS, MAGAZINE BINDERS, CLIP BOARDS, ALUMINUM SHEET HOLDERS, SALES BOOK HOLDERS, BOARD CLIPS, BINDERS FOR STORING PAPERS, ORDER BOOK HOLDERS, ARCH FILES, CLIP FILES, CHART FILES, PRESSBOARD FOLDERS, PRESSBOARD GUIDES, PHONE BOOK COVERS, PHOTOGRAPH AND PHONOGRAPH ALBUMS, POSTAGE STAMP ALBUMS, ENVELOPE ALBUMS, BLANK STOCK BOOKS, BLANK SCRAP BOOKS, SET BOOKS FOR MOUNTING SETS ON BLANK LEAVES, BLANK APPOVAL CARDS, BLANK STOCK SHEETS; PHILATELIC SUPPLIES COMPRISING STAMP COLLECTING ALBUMS, BOOKS, BINDERS FOR STAMP HOLDING SHEETS, PAPER WALLETS, PAPER DISPLAY CARDS AND BLANK STOCK SHEETS; HAND-OPERATED PUNCHES; PAPER PRODUCTS—NAMELY, PADS, FILLERS FOR SCHOOL NOTEBOOKS; AND SCHOOL SUPPLIES—NAMELY, LOOSE-LEAF NOTEBOOKS, SCHOOL RINGS, PAPER PADS, COLLEGE EXAMINATION BLANK BOOKS; PAPER AND FIBER CARRYING CASES AND PORTFOLIOS FOR CARRYING PAPERS, CATALOGS AND FLAT ARTICLES.
Claims use since Jan. 5, 1920.

426,603. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) TILBURY FABRICS, INC., New York, N. Y. Filed Mar. 25, 1946. Serial No. 498,946.

Tilbury Fabrics

FOR PIECE GOODS MADE OF SILK, RAYON, COTTON, AND COMBINATIONS THEREOF.
Claims use since Oct. 1, 1945.

426,604. (CLASS 19. VEHICLES.) ELECTROGRAPHIC CORPORATION, doing business as Mid-West Body & Mfg. Division, Electrographic Corporation, New York, N. Y., and Paris, Ill. Filed Mar. 28, 1946. Serial No. 499,127.

MIDWEST

FOR TRUCK BODY PLATFORMS AND TRUCK BODIES.
Claims use since Nov. 1, 1945.

426,605. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VISIONETTE OPTICAL CORPORATION, New York, N. Y. Filed Apr. 6, 1946. Serial No. 499,811.

YORK

FOR SPECTACLE FRAMES AND PARTS THEREOF.
Claims use since Nov. 1, 1945.

426,606. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Apr. 12, 1946. Serial No. 500,134.

KEEN-TONE

FOR RADIO RECEIVING SETS.
Claims use since Mar. 3, 1938.

426,607. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SCHNEIDER LEATHER NOVELTY CO., New York, N. Y. Filed May 1, 1946. Serial No. 501,284.



FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, CUFF LINKS, TIE CLASPS, MONEY CLIPS, COLLAR PINS, NECKLACES, CHOKERS, EARRINGS, BROOCH PINS, BAR PINS, BRACELETS AND DRESS CLIPS, ALL OF NON-PRECIOUS METAL.
Claims use since Nov. 1, 1944.

426,608. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) DAVID PARK, Atlantic City, N. J. Filed June 17, 1946. Serial No. 504,064.

PARK MFG.

FOR OIL BURNERS FOR HEATING PLANTS.
Claims use since Apr. 30, 1944.

426,609. (CLASS 5. ADHESIVES.) JOHN W. HILLEGAS, doing business as Red's Model Shop, Cleveland, Ohio. Filed June 19, 1946. Serial No. 504,181.

EXPERT

FOR CEMENT OR ADHESIVE USED IN THE MANUFACTURE OF MODELS OF AEROPLANES AND OTHER DEVICES.
Claims use since Dec. 1, 1938.

TRADE-MARK REGISTRATIONS RENEWED

28,717. **ALL DAY SUCKERS.** ROUND OR OBLONG PIECE OF CANDY ATTACHED TO THE END OF A STICK. Registered Aug. 4, 1896. JOHN F. BIRKMEYER & SONS. Re-renewed Aug. 4, 1946, to J. Fred Birkmeyer, doing business as John F. Birkmeyer & Sons, Baltimore, Md. Class 46.

28,784. **"BULL'S HEAD" AND DRAWING.** TABLE-MUSTARD AND MUSTARD. Registered Aug. 18, 1896. J. & J. COLMAN, London, England. Re-renewed Aug. 18, 1946, to Reckitt & Colman Limited, Hull, England, a limited liability company of the United Kingdom of Great Britain and Northern Ireland. Class 46.

29,441. **THE CROWN BINDINGS.** COTTON GOODS AND FABRICS KNOWN AS "BINDINGS" OR FABRICS USED FOR BINDING OR COVERING BOOKS. Registered Jan. 12, 1897. LOUIS SIEGBERT & BRO., New York, N. Y. Re-renewed Jan. 12, 1947, to The Holliston Mills, Inc., Norwood, Mass., a corporation of Massachusetts. Class 42.

49,311. **DUPLEX.** DIE-STOCKS. Registered Jan. 30, 1906. THE HART MANUFACTURING CO., Cleveland, Ohio, a corporation of Ohio. Re-renewed Jan. 30, 1946. Class 23.

50,410. **DOULTON.** POTTERY, EARTHENWARE, AND CHINA. Registered Mar. 13, 1906. DOULTON & CO. LIMITED, Lambeth, London, England. Re-renewed Mar. 13, 1946, to Doulton & Co. Limited, Burslem, Stoke-on-Trent, England, an organized and incorporated company of Great Britain. Class 30.

50,411. **"ROYAL DOULTON" ETC.** POTTERY, EARTHENWARE, AND CHINA. Registered Mar. 13, 1906. DOULTON & CO. LIMITED, Lambeth, London, England. Re-renewed Mar. 13, 1946, to Doulton & Co. Limited, Burslem, Stoke-on-Trent, England, an organized and incorporated company of Great Britain. Class 30.

52,034. **LA RESISTA.** CORSETS. Registered May 1, 1906. DOWNER HAWES AND COMPANY, INCORPORATED. Re-renewed May 1, 1946, to The La Resista Corset Company, Bridgeport, Conn., a corporation of Connecticut. Class 39.

54,495. **AYRSHIRE.** BUTTER. Registered June 26, 1906. H. C. CHRISTIANS CO., Johnson Creek, Wis. Re-renewed June 26, 1946, to H. C. Christians Co., Johnson Creek, Wis., and Chicago, Ill., a corporation of Wisconsin. Class 46.

54,741. **REPRESENTATION OF DIAMOND DESIGN. SAWS OF ALL KINDS.** Registered June 26, 1906. E. C. ATKINS & COMPANY, Indianapolis, Ind., New York, N. Y., Memphis, Tenn., Atlanta, Ga., Minneapolis, Minn., Portland, Oreg., etc. Re-renewed June 26, 1946, to E. C. Atkins & Company, Indianapolis, Ind., a corporation of Indiana. Class 23.

54,959. **DESIGN OF A BOX.** CANDY. Registered Aug. 7, 1906. PHILIP WUNDERLE. Re-renewed Aug. 7, 1946, to Ph. Wunderle, Philadelphia, Pa., a firm. Class 46.

55,114. **"SOUND" AND DRAWING.** SHEEP AND GARDEN SHEARS. Registered Aug. 7, 1906. BURGON & BALL LIMITED, Sheffield, England, a United Kingdom corporation. Re-renewed Aug. 7, 1946. Class 23.

55,613. **BELMONT.** COTTON PIECE GOODS. Registered Aug. 21, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed Aug. 21, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

55,614. **LA PALOMA.** COTTON PIECE GOODS. Registered Aug. 21, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed Aug. 21, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

55,615. **MAPLEWOOD.** COTTON PIECE GOODS. Registered Aug. 21, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed Aug. 21, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

55,763. **GLADIATOR.** COTTON PIECE GOODS. Registered Aug. 21, 1906. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Re-renewed Aug. 21, 1946, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Class 42.

56,228. **BLANDOLA.** VEGETABLE GELATIN AND FINISHING-SIZING. Registered Sept. 4, 1906. THE BLANDOLA COMPANY LIMITED, Whaley Bridge, England, a corporation of Great Britain. Re-renewed Sept. 4, 1946. Class 5.

57,029. **LACTOGEN.** PREPARATION FOR USE AS A MOTHER'S-MILK PRODUCING AND RECONSTRUCTING REMEDY. Registered Oct. 30, 1906. SALVATOR PENNY. Re-renewed Oct. 30, 1946, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York. Class 6.

57,355. **LOS ANGELES EXAMINER.** NEWSPAPER. Registered Nov. 13, 1906. WILLIAM R. HEARST, New York, N. Y. Re-renewed Nov. 13, 1946, to Hearst Publications, Incorporated, Los Angeles, Calif., a corporation of California. Class 38.

58,221. **SQUARE DEAL.** WIRE FENCE. Registered Dec. 11, 1906. KEYSTONE FENCE COMPANY, Peoria, Ill. Re-renewed Dec. 11, 1946, to Keystone Steel & Wire Company, Peoria (South Bartonville), Ill., a corporation of Illinois. Class 13.

58,269. **CHRONOS.** WATCHES, WATCHCASES. WATCH-DIALS, AND WATCHWORKS. Registered Dec. 11, 1906. ABRAHAM & STRAUS, New York and Brooklyn, N. Y. Re-renewed Dec. 11, 1946, to Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York. Class 27.

58,398. **REPRESENTATION OF A SALT SHAKER WITHIN DIAMOND DESIGN.** TABLE AND DAIRY SALT. Registered Dec. 11, 1906. DIAMOND CRYSTAL SALT CO., St. Clair, Mich. Re-renewed Dec. 11, 1946, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

58,446. **PICTURE OF WOMAN AND WOODLAND SCENE.** CIGARS, CIGARETTES, AND SMOKING-TOBACCO. Registered Dec. 18, 1906. GODFREY S. MAHN, New York, N. Y. Re-renewed Dec. 18, 1946, to Yahn and McDonnell, Philadelphia, Pa., a corporation of Pennsylvania. Class 17.

58,447. **AS YOU LIKE IT.** CIGARS, CIGARETTES, AND SMOKING-TOBACCO. Registered Dec. 18, 1906. GODFREY S. MAHN, New York, N. Y. Re-renewed Dec. 18, 1946, to Yahn and McDonnell, Philadelphia, Pa., a corporation of Pennsylvania. Class 17.

58,642. **"AYRSHIRE" ETC.** BUTTER. Registered Dec. 18, 1906. H. C. CHRISTIANS CO., Johnson Creek, Wis. Re-renewed Dec. 18, 1946, to H. C. Christians Co., Chicago, Ill., and Johnson Creek, Wis., a corporation of Wisconsin. Class 46.

58,649. **MONOTYPE.** PAPER RIBBONS OR CONTROLLERS FOR TYPE CASTING AND COMPOSING MACHINES. Registered Dec. 18, 1906. LANSTON MONOTYPE MACHINE COMPANY, Philadelphia, Pa., a corporation of Virginia. Re-renewed Dec. 18, 1946. Class 37.

58,719. **PREST-O-LITE.** ILLUMINATING GAS IN PORTABLE TANKS FOR SUPPLYING AUTOMOBILE-HEADLIGHTS, BOAT-LIGHTS, ETC. Registered Dec. 25, 1906. THE CONCENTRATED ACETYLENE COMPANY, Indianapolis, Ind. Re-renewed Dec. 25, 1946, to The Prest-O-Lite Company, Inc., New York, N. Y., a corporation of New York. Class 6.

58,829. **"PIONEER" ETC. AND DRAWING.** MINCED CLAMS. Registered Dec. 25, 1906. PETER F. HALFERTY, Aberdeen, Wash. Re-renewed Dec. 25, 1946, to Pioneer Canneries, Inc., Seattle, Wash., a corporation of Washington. Class 46.

59,007. **PENNOIL.** LUBRICATING-OILS. Registered Dec. 25, 1906. PURE OIL COMPANY, Philadelphia, Pa. Re-renewed Dec. 25, 1946, to The Pennzoil Company, Los Angeles, Calif., a corporation of California. Class 15.

59,404. **COLLEGIATE.** OUTERSHIRTS. Registered Jan. 8, 1907. GREENEBAUM BROTHERS Re-renewed Jan. 8, 1947, to I. Jablow & Co., Inc., Philadelphia, Pa., a corporation of Delaware. Class 39.

59,406. **HEADLIGHT.** LEATHER AND KID GLOVES. Registered Jan. 8, 1907. LARNED CARTER & CO., Detroit, Mich. Re-renewed Jan. 8, 1947, to The Crown Overall Mfg. Company, Cincinnati, Ohio, a corporation of Ohio. Class 39.

59,604. **ENTERPRISE.** MEASURING-FAUCETS AND MEASURING-PUMPS. Registered Jan. 15, 1907. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Jan. 15, 1947. Class 26.

59,658. **LAMINATED COTTON DOWN.** QUILTS. Registered Jan. 15, 1907. THE CHAS. A. MAISH CO., Cincinnati, Ohio, a corporation of Ohio. Re-renewed Jan. 15, 1947. Class 42.

200,594. **FUM AROMAS.** INCENSE. Registered July 7, 1925. LEHN & FINK, INC. Renewed July 7, 1945, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware. Class 6.

203,483. **SARA-JEAN.** ANTISEPTIC TOILET CREAM. Registered Sept. 22, 1925. THE HAMADALA COMPANY, Buffalo, N. Y. Renewed Sept. 22, 1945, to The Hamadala Company, Inc., Cleveland, Ohio, a corporation of New York. Class 6.

204,488. **"BABY" AND DRAWING.** FRESH APPLES. Registered Oct. 20, 1925. CONNELL BROS. COMPANY, Seattle, Wash. Renewed Oct. 20, 1945, to Connell Bros. Company Ltd., San Francisco, Calif., a corporation of California. Class 46.

209,103. **"STONE MOUNTAIN" ETC. AND DRAWING.** WORK SHIRTS AND OVERALLS. Registered Feb. 16, 1926. GEORGE W. WOODRUFF, doing business as Woodruff Manufacturing Company. Renewed Feb. 16, 1946, to Carwood Manufacturing Company, Winder, Ga., a corporation of Georgia. Class 39.

211,156. **"LITTLE CORPORAL" AND DRAWING. ABDOMINAL BELTS.** Registered Apr. 6, 1926. THE LITTLE CORPORAL CO. Renewed Apr. 6, 1946, to The Little Corporal Co., Chicago, Ill., a corporation of Illinois. Class 44.

211,591. **NATIONAL REAL ESTATE JOURNAL.** BI-WEEKLY MAGAZINES. Registered Apr. 13, 1926. PORTER-BEDE-LANGTRY CORPORATION, Chicago, Ill. Renewed Apr. 13, 1946, to Stamats Publishing Company, Cedar Rapids, Iowa, a partnership. Class 38.

211,592. **BUILDINGS AND BUILDING MANAGEMENT.** BIWEEKLY MAGAZINES. Registered Apr. 13, 1926. PORTER-LANGTRY COMPANY, Chicago, Ill. Renewed Apr. 13, 1946, to Stamats Publishing Company, Cedar Rapids, Iowa, a partnership. Class 38.

213,443. **"ROTHSHIRE" AND DESIGN.** MEN'S AND BOYS' SUITS, COATS, TROUSERS, OVERCOATS, AND RAINCOATS. Registered May 25, 1926. ZURKOW & SON, INCORPORATED, New York, N. Y. Renewed May 25, 1946, to Maurice L. Rothschild, Chicago, Ill., a partnership. Class 39.

215,009. **AMERT.** COFFEE. Registered July 6, 1926. THE GREAT AMERICAN TEA CO., Brooklyn, N. Y. Renewed July 6, 1946, to The Great American Tea Company, New York, N. Y., a corporation of New York. Class 46.

215,182. **LADDIE.** WATCHES. Registered July 13, 1926. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 13, 1946. Class 27.

215,296. **TYL-A-MAT.** RUBBER FLOOR MATS. Registered July 13, 1926. O. W. JACKSON & CO., INC., New York, N. Y., a corporation of New York. Renewed July 13, 1946. Class 50.

215,320. **"GIRL SCOUTS" AND DESIGN. CERTAIN NAMED ARTICLES OF PAPER AND STATIONERY.** Registered July 13, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 13, 1946. Class 37.

215,321. **"GIRL SCOUTS" AND DESIGN.** WHISTLES AND BUGLES. Registered July 13, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 13, 1946. Class 36.

215,322. **"GIRL SCOUTS" AND DESIGN.** BUTTONS, BRAIDS, NEEDLES, THIMBLES OF NONPRECIOUS MATERIALS. Registered July 13, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 13, 1946. Class 40.

215,323. **"GIRL SCOUTS" AND DESIGN.** BLANKETS, NECKERCHIEFS, HANDKERCHIEFS, WOOLEN GOODS IN THE PIECE, COTTON GOODS IN THE PIECE. Registered July 13, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 13, 1946. Classes 42 and 89.

215,346. **"GIRL SCOUTS" AND DESIGN.** HAVERSACKS, KNAPSACKS, LUGGAGE CARRIERS, CANTEENS, TOILET KITS, SEWING KITS, FIRST-AID KITS, PONCHAS, CROSS BELTS AND STRAPS FOR CARRYING ACCOUTREMENTS, AND SACKS AND FLAG CARRIERS. Registered July 13, 1926. GIRL SCOUTS, New York, N. Y., a corporation of the District of Columbia. Renewed July 13, 1946. Classes 2—3—39—40—44—50.

215,614. **NICOPOLISH.** NICKEL AND BRASS POLISH. Registered July 20, 1926. JOS. W. NICOMEDE, doing business as Nicomede Music Co., Altoona, Pa. Renewed July 20, 1946, to Mills Music, Inc., New York, N. Y., a corporation of New York. Class 4.

215,656. **SAXOPOLISH.** SILVER AND GOLD POLISH. Registered July 20, 1926. JOS. W. NICOMEDE, doing business as Nicomede Music Co., Altoona, Pa. Renewed July 20, 1946, to Mills Music, Inc., New York, N. Y., a corporation of New York. Class 4.

215,672. **4½.** HAIR DYE. Registered July 20, 1926. INECTO, INC. Renewed July 20, 1946, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York. Class 6.

215,760. **"GOLD STAR" ETC. AND DRAWING.** PURE SALAD OIL. Registered July 27, 1926. N. GOODMAN & SON, New York, N. Y. Renewed July 27, 1946, to C. Pappas Company, Inc., Boston, Mass., a corporation of Massachusetts. Class 46.

215,890. **SUPREME.** HAIR NETS. Registered July 27, 1926. NEW YORK MERCHANDISE COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 27, 1946. Class 42.

215,891. **ELITE.** HAIR NETS. Registered July 27, 1926. NEW YORK MERCHANDISE COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 27, 1946. Class 42.

216,125. **"C C C" WITHIN A CIRCLE DESIGN.** ELECTRIC CONTROLLERS, MAGNETIC BRAKES, AND ELECTRIC SWITCHES. Registered Aug. 3, 1926. THE CLARK CONTROLLER COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Aug. 3, 1946. Class 21.

216,962. **KLEANAL.** TOOTHBRUSHES. Registered Aug. 24, 1926. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed Aug. 24, 1946. Class 29.

216,963. **HANDITUFT.** TOOTHBRUSHES. Registered Aug. 24, 1926. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed Aug. 24, 1946. Class 29.

217,037. **CRATER LAKE.** CANNED FRUITS—NAMELY, PEARS; CANNED VEGETABLES—NAMELY, TOMATOES; SOUPS, CORNED BEEF, CORNED-BEEF HASH, CORNED BEEF AND CABBAGE; MINCED BONELESS CHICKEN. Registered Aug. 24, 1926. ROGUE RIVER VALLEY CANNING COMPANY, Medford, Oreg., a corporation of Oregon. Renewed Aug. 24, 1946. Class 46.

217,174. **BEAUTY.** HAIR NETS. Registered Aug. 24, 1926. NEW YORK MERCHANDISE COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Aug. 24, 1946. Class 39.

217,559. **"YO! HO!" AND DRAWING.** CAKE FLOUR. Registered Sept. 7, 1926. THE Yo! Ho! PRODUCTS COMPANY. Renewed Sept. 7, 1946, to Loudonville Milling Company, Loudonville, Ohio, a corporation of Ohio. Class 46.

217,941. **"E. S. C." ETC.** GREEN COFFEE. Registered Sept. 14, 1926. EPPENS, SMITH COMPANY, New York, N. Y., a corporation of New York. Renewed Sept. 14, 1946. Class 46.

218,160. **"RAVEN HAFTONE SCREEN" AND DESIGN.** SCREENS FOR MOVING PICTURES, STEREOPTICONS, AND SIMILAR PROJECTING APPARATUS. Registered Sept. 21, 1926. RAVEN SCREEN CORPORATION, New York, N. Y., a corporation of New York. Renewed Sept. 21, 1946. Class 26.

218,232. **"SUPERIOR" ETC. AND DRAWING.** PORTLAND CEMENT. Registered Sept. 21, 1926. SUPERIOR PORTLAND CEMENT COMPANY. Renewed Sept. 21, 1946, to Superior Portland Cement, Inc., Seattle, Wash., a corporation of Washington. Class 12.

218,384. **STRANGL-EZE.** PREPARATION FOR ALLEVIATING COUGHS, COLDS, BRONCHITIS, ASTHMA, CROUP, AND WHOOPING COUGH. Registered Sept. 28, 1926. FRANCIS J. SMITH, Wakefield, Mass. Renewed Sept. 28, 1946. Class 6.

218,563. **LA STELLA.** CHEMICAL FLUID HAVING BLEACHING, DISINFECTING, STERILIZING, AND DEODORANT PROPERTIES. Registered Sept. 28, 1926. BUFFALO FLUID CHEMICAL CO. Renewed Sept. 28, 1946, to La Stella Chemical Co., Buffalo, N. Y., a partnership. Class 6.

218,663. **"STILLE SWEDEN" AND DESIGN.** MEAT SLICING AND CUTTING MACHINES AND PARTS THEREOF, TABLE KNIVES, TABLE FORKS MADE OF BASE METAL, RAZORS, SAFETY RAZORS, SAFETY-RAZOR BLADES, SCISSORS, SAWS, BORERS, DRILLS, TONGS, PINCERS. Registered Sept. 28, 1926. AKTIEBOLAGET STILLE-WERNER, Stockholm, Sweden, a corporation of Sweden. Renewed Sept. 28, 1946. Class 23.

218,683. **REPRESENTATION OF A WHITE CROSS AND WHITE STRIPE ON A BLUE BACKGROUND.** CATAMENIAL BANDAGES AND ABSORBENT PADS OR SHEETS FOR INFANTS' DIAPERS. Registered Sept. 28, 1926. CELLUCOTTON PRODUCTS COMPANY, Neenah, Wis. Renewed Sept. 28, 1946, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware. Class 44.

219,142. **NANCY.** FACE CREAMS, FACE POWDERS, FACE PACKS, TOILET WATERS, ROUGES, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS, LIP STICKS, EYEBROW PENCILS, SACHETS, AND TALCUM POWDERS. Registered Oct. 12, 1926. CARLOS J. DIAZ, doing business as Parfumerie Nancy, New York, N. Y. Renewed Oct. 12, 1946, to Jacinto Sosa, Brooklyn, N. Y. Class 6.

219,563. **WURLITZER.** RADIO RECEIVING SETS, LOUD SPEAKERS, ANTENNÆ, TRANSFORMERS, INDUCTION COILS, TUBE SOCKETS, RESISTANCE UNITS, RHEOSTATS, CONDENSERS, AND LOADING COILS, CHOKE COILS, INDUCTANCES, AND RESISTANCE DEVICES, INDUCTIVE AND NONINDUCTIVE. Registered Oct. 19, 1926. THE RUDOLPH WURLITZER COMPANY, Cincinnati, Ohio. Renewed Oct. 19, 1946, to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation of Ohio. Class 21.

219,897. **TITON.** ELECTRIC CONNECTERS, ELECTRIC RAIL BONDS, AND ELECTRIC CONDUCTORS. Registered Oct. 26, 1926. THE OHIO BRASS COMPANY, Mansfield, Ohio, a corporation of New Jersey. Renewed Oct. 26, 1946. Class 21.

219,938. **CREMOLAND.** BUTTER. Registered Oct. 26, 1926. ZENITH BUTTER AND EGG CO. Renewed Oct. 26, 1946, to Zenith-Godley Co. Inc., New York, N. Y., a corporation of New York. Class 46.

220,007. **CLIMAX.** PREPARED COCONUT. Registered Oct. 26, 1926. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed Oct. 26, 1946, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

220,053. **GEM.** PREPARED COCONUT. Registered Nov. 2, 1926. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed Nov. 2, 1946, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

220,084. **ACME.** PREPARED COCONUT. Registered Nov. 2, 1926. FRANKLIN BAKER COMPANY, Hoboken, N. J. Renewed Nov. 2, 1946, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Class 46.

220,675. **BIG C.** WHEAT FLOUR. Registered Nov. 16, 1926. THE CONCORDIA MILLING CO. Renewed Nov. 16, 1946, to Concordia Milling Company, Concordia, Kans., a firm. Class 46.

221,189. **NO. 1 PRESERVATIVE.** INTERIOR VARNISHES. Registered Nov. 23, 1926. THE BISSELL VARNISH COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed Nov. 23, 1946. Class 16.

221,226. **YAR-PA-CO.** PASTE AND READY-MIXED PAINTS. Registered Nov. 23, 1926. YARNALL PAINT COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 23, 1946. Class 16.

221,697. **"C & D" AND DESIGN.** PYJAMAS, NIGHTGOWNS, NEGLIGEES, DRESSING GOWNS, SKIRTS, VESTS, BLOOMERS, KNICKERS, KNITTED UNION SUITS, CHEMISES, GYMNASIUM SUITS, SCARFS, PRINCESS SLIPS, DRESSES, STEP-INS, BLOUSES, PETTICOATS. Registered Dec. 7, 1926. THE C & D COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed Dec. 7, 1946. Class 39.

221,698. **MOTIF.** DRESS AND NEGLIGEE SHIRTS. Registered Dec. 7, 1926. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed Dec. 7, 1946. Class 39.

221,711. **"S C W" AND DRAWING.** DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, AND PAINT OILS. Registered Dec. 7, 1926. THE S. C. WAGENMAN PAINT STORES COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Dec. 7, 1946. Class 16.

221,753. **AJAX.** CORRUGATED BOXES KNOWN IN TRADE AS FIBER BOXES. Registered Dec. 7, 1926. AJAX BOX COMPANY. Renewed Dec. 7, 1946, to The Ajax Box Company, Chicago, Ill., a corporation of Illinois. Class 2.

221,780. **BALL.** GLASS FRUIT OR PRESERVING JARS. Registered Dec. 14, 1926. BALL BROTHERS COMPANY, Muncie, Ind., a corporation of Indiana. Renewed Dec. 14, 1946. Class 33.

221,809. **LONE STAR.** PORTLAND CEMENT. Registered Dec. 14, 1926. INTERNATIONAL CEMENT CORPORATION. Renewed Dec. 14, 1946, to Lone Star Cement Corporation, New York, N. Y., a corporation of Maine. Class 12.

222,006. **POULTRY SUPPLY DEALER.** MONTHLY PUBLICATIONS. Registered Dec. 21, 1926. JOHN G. ROBEL. Renewed Dec. 21, 1946, to Baby Chick Company, Chicago, Ill., a corporation of Illinois. Class 38.

222,050. **REPRESENTATION OF THREE STARS.** REFINED COPPER BARS AND CAKES. Registered Dec. 21, 1926. BRADEN COPPER COMPANY, New York, N. Y., a corporation of Maine. Renewed Dec. 21, 1946. Class 14.

222,242. **SILVER TAG.** CANNED SALMON. Registered Dec. 28, 1926. G. P. HALFERTY & CO., Seattle, Wash., a corporation of Washington. Renewed Dec. 28, 1946. Class 46.

222,288. **PINK TAG.** CANNED SALMON. Registered Dec. 28, 1926. G. P. HALFERTY & Co., Seattle, Wash., a corporation of Washington. Renewed Dec. 28, 1946. Class 46.

222,289. **GOLD TAG.** CANNED SALMON. Registered Dec. 28, 1926. G. P. HALFERTY & Co., Seattle, Wash., a corporation of Washington. Renewed Dec. 28, 1946. Class 46.

222,319. **OH-BOY.** CERTAIN NAMED FOOD PRODUCTS. Registered Dec. 28, 1926. KARASIK, HOLLEB & Co. Renewed Dec. 28, 1946, to Karasik Brothers Co., Chicago, Ill., a corporation of Illinois. Class 46.

222,459. **FOSTORIA.** TABLE GLASSWARE. Registered Jan. 4, 1927. FOSTORIA GLASS COMPANY, Moundsville, W. Va., a corporation of West Virginia. Renewed Jan. 4, 1947. Class 33.

222,766. **SUNLAND.** RAISIN-TRAY PAPER. Registered Jan. 11, 1927. SUNLAND SALES COOPERATIVE ASSOCIATION, Fresno, Calif., a corporation of California. Renewed Jan. 11, 1947. Class 37.

222,771. **COR-WETA.** SELF-RISING FLOUR MADE OF A MIXTURE OF WHEAT FLOUR AND CORN FLOUR. Registered Jan. 11, 1927. GEORGE URBAN MILLING COMPANY, Buffalo, N. Y., a corporation of New York. Renewed Jan. 11, 1947. Class 46.

222,792. **"BLUE BIRD BUDGET BOX" AND DESIGN.** CHILDREN'S MONEY RECEPTACLE. Registered Jan. 11, 1927. INNES HOLT SHAFER, Richmond, Va. Renewed Jan. 11, 1947, to Innes Holt Shafer, Ellerson, Va. Class 22.

222,800. **C.** COMPOSITE TRANSMISSION AND CONVEYER CHAINS FORMED IN PART OF IRON AND IN PART OF STEEL LINKS. Registered Jan. 11, 1927. Link-Belt Company, Chicago, Ill., a corporation of Illinois. Renewed Jan. 11, 1947. Class 18.

222,842. **HOMEWOOD.** BRICKS. Registered Jan. 11, 1927. BALTIMORE BRICK COMPANY, Baltimore, Md., a corporation of Delaware. Renewed Jan. 11, 1947. Class 12.

222,859. **CONSUL.** BED SHEETS AND PILLOWCASES. Registered Jan. 11, 1927. ASSOCIATED MERCHANDISING CORPORATION. Renewed Jan. 11, 1947, to Associated Merchandising Corporation, New York, N. Y., a corporation of New York. Class 42.

222,875. **SPARTAN MILLS.** COTTON PIECE GOODS. Registered Jan. 11, 1927. SPARTAN MILLS, Spartanburg, S. C., a corporation of South Carolina. Renewed Jan. 11, 1947. Class 42.

222,883. **ENERGIA.** HAIR TONICS. Registered Jan. 11, 1927. VINCENT J. CURCIO, doing business as V. J. Curcio Co., Jersey City, N. J. Renewed Jan. 11, 1947. Class 6.

222,884. **ALL-WAVES.** HAIR CREAMS. Registered Jan. 11, 1927. VINCENT J. CURCIO, doing business as V. J. Curcio Co., Jersey City, N. J. Renewed Jan. 11, 1947. Class 6.

222,886. **FEBCO.** FRESH ASPARAGUS. Registered Jan. 11, 1927. F. E. BOOTH CO. Renewed Jan. 11, 1947, to F. E. Booth Company, Inc., San Francisco, Calif., a corporation of Nevada. Class 46.

222,887. **CRESCENT.** FRESH ASPARAGUS. Registered Jan. 11, 1927. F. E. BOOTH CO. Renewed Jan. 11, 1947, to F. E. Booth Company, Inc., San Francisco, Calif., a corporation of Nevada. Class 46.

222,980. **SAN GIUSTO.** COTTONSEED SALAD OIL, MALT SIRUP FOR FOOD PURPOSES, MACARONI, CHEESE, CANNED VEGETABLES, TOMATO PASTE, AND SAUSAGE. Registered Jan. 11, 1927. JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn. Renewed Jan. 11, 1947. Class 46.

222,992. **LOU Z ANA.** CANNED SHRIMP, CANNED OYSTERS, CANNED VEGETABLES. Registered Jan. 11, 1927. GRAND CAILLOU PACKING CO. INC., Houma, La., a corporation of Louisiana. Renewed Jan. 11, 1947. Class 46.

222,999. **"ECUADORIAN PANAMA HAT CO." ETC. AND DESIGN.** WOVEN FIBER HATS FOR MEN, WOMEN, AND CHILDREN. Registered Jan. 11, 1927. ELIAS ISRAEL, doing business as Ecuadorian Panama Hat Company. Renewed Jan. 11, 1947, to Ecuadorian Panama Hat Co. Inc., New York, N. Y., a corporation of New York. Class 39.

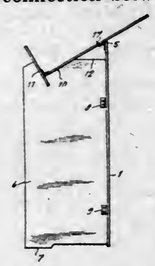
223,178. **HANDY ANN.** KNITTED DISHCLOTHS AND SPONGE CLOTHS. Registered Jan. 18, 1927. PUTNAM KNITTING COMPANY, Cohoes, N. Y., a corporation of New York. Renewed Jan. 18, 1947. Class 42.

REISSUES

DECEMBER 31, 1946

22,826
UNITARY FOLDABLE MUSIC STAND
Willie Berg, Chicago, Ill.
Original No. 2,383,287, dated August 21, 1945, Serial No. 555,558, September 23, 1944. Application for reissue November 9, 1945, Serial No. 627,599½
14 Claims. (Cl. 45—57)

1. A foldable stand comprising a vertical flat piece resting on its base, a similar second piece attached to said first piece by hinges and adapted to be held at right angles thereto and to be folded against the same, a flat holder hinged to the top of said first piece, a foot board hingedly attached to the lower edge of said holder, the top of said second piece being notched, said notch having an inclined face, said holder lying on said face to retain said holder in an inclined position, and a tongue and slot connection between said second



piece and holder for locking said parts against relative movement.

PLANT PATENTS

GRANTED DECEMBER 31, 1946

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

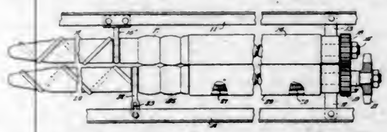
721
PLUM TREE
Frederick Huber Howard, Montebello, Calif., assignor to Howard & Smith, Montebello, Calif.
Application March 5, 1946, Serial 652,015
1 Claim. (Cl. 47—62)

The new and distinct variety of plum tree substantially as shown and described, characterized particularly by its fast and vigorous growth; its late ripening season; its large fruits with small pits, clear firm pale yellow flesh of distinctive flavor and great juiciness, and skin displaying varying amounts of yellow and light red according to maturity stages; as well as the excellent keeping qualities of its fruits.

PATENTS

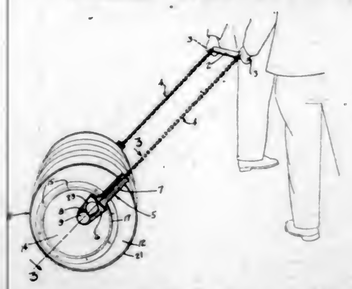
GRANTED DECEMBER 31, 1946

2,413,279
HUSKING ROLLS
John L. Aasland, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 18, 1943, Serial No. 514,739
3 Claims. (Cl. 130—5)



1. A husking roll construction comprising a pair of parallel driven shafts, a husking roll carried by one of said shafts, a tubular husking roll positioned around the other shaft spaced therefrom, generally cylindrical coiled springs concentrically positioned around the shaft and between the shaft and the tubular roll, and means for securing each spring to the roll at one of its ends and to the shaft at its other end.

2,413,280
RIGGING FOR HANDLING DRUMS AND BARRELS
Ernest W. Ashenden, Minneapolis, Minn., assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota
Application July 10, 1944, Serial No. 544,283
4 Claims. (Cl. 294—4)

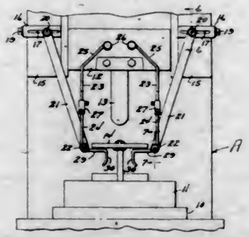


1. A rigging for handling drums and the like, each provided at each end with an axially disposed stud, each having an enlarged head spaced outwardly from its respective end wall, an elongated handle, flexible draft elements each having one end connected to the handle, one adjacent to each end thereof, an attachment member for each draft element each formed with a head having an elongated extension at one end, the ends of which are secured to said draft elements, the head of each attachment member having a key slot therein whose longitudinal axis is aligned with said extension and the enlarged opening of which is located adjacent to said extension, whereby when the attachment members are engaged with their respective studs on the drum, said studs will be received in the restricted ends of said slots whereby said attachment members cannot accidently become disengaged from the studs when the draft elements are taut, and the overall length of the extension of each of said members from the enlarged portion of the slot of each member to the ends of said extensions being relatively less than one-half the diameter of the drums to be propelled by the rigging, whereby when the draft elements are slack and said extensions hang loosely from their respective studs, the enlarged portions of said slots are not aligned with the studs, whereby said attachment members are not likely to become disengaged from their respective studs, should the ends of the extensions engage the floor or ground.

2,413,281
SULFUR-TREATED VARNISH BASES
Laszlo Auer, South Orange, N. J.
No Drawing. Application September 21, 1946, Serial No. 698,421
25 Claims. (Cl. 106—223)

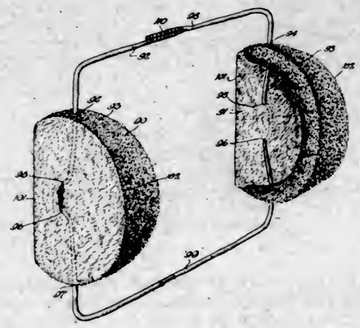
1. In the preparation of varnish bases, the process which comprises: bodying a varnish base material comprising a fatty oil to a viscosity such that it will vulcanize to an irreversible gel upon being heated at 160° C. with 4.5% sulfur in less than four hours, but not beyond the point at which an irreversible gel would be formed in less than 15 minutes on heating at 120° C. with 0.5% of sulfur, and not beyond the point at which the oil will cease to manifest flow characteristics at room temperature, and thereafter vulcanizing said fatty oil at a temperature between 100° C. and 200° C. with from a trace to 4.5% of sulfur, the vulcanization at the said temperature being terminated prior to the formation of an irreversible gel.

2,413,282
SAFETY DEVICE FOR STAMPING PRESSES
Robert L. Aulenback, Shrewsbury, Mass.
Application May 15, 1944, Serial No. 535,774
1 Claim. (Cl. 74—615)



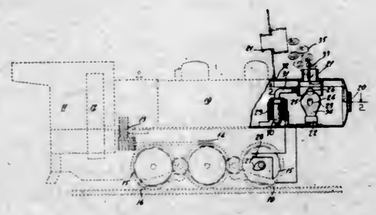
A safety device of the kind described, comprising a pair of sectional guard arms having pivotal connection with a movable part of a press carrying a stamping tool for opening and closing movements with respect to the latter, means for adjustably connecting the sections of the arms together for lengthening and shortening the same, hangers adjustably connected to a fixed part of the press, adjacent to and outside of the arms, links adjustably pivoted to the hangers and fixedly pivoted to the arms and inwardly directed elbows at the lower ends of the arms for underslung movement of a stripper plate of the press.

2,413,283
EAR MUFF
Elaine Berg, Chicago, Ill.
Application March 31, 1945, Serial No. 585,909
5 Claims. (Cl. 2—209)



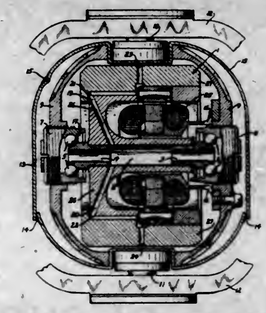
1. A generally scoop-shaped muff comprising a first wall which consists of two plies of flexible material integrally joined at the unflanged perimetrical portion of said first wall, and a second wall in the nature of a continuous flange for a major portion but not all of the perimeter of said first wall, said second wall consisting of two plies of flexible material integrally joined at that perimetrical portion of said second wall which lies immediately adjacent to the head of the wearer when the muff is in use, edge portions of individual plies of each wall being stitched to edge portions of individual plies of the other wall, and means for so holding said muff alongside the head of a human wearer that said first wall overlies the side of an ear with the unflanged perimetrical portion of said first wall lying immediately adjacent to the head afore the ear and said second wall lies immediately adjacent to the head and over, under and abaft the ear.

2,413,284
SMOKE PRODUCING TOY
Joseph L. Bonanno, Madison, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application June 13, 1944, Serial No. 540,162
8 Claims. (Cl. 46—9)



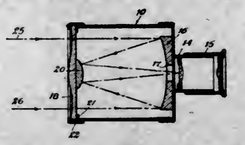
1. A toy locomotive having a headlight including an incandescent lamp, a smoke stack directly above the lamp so that light rays may escape up the stack, and means for producing artificial smoke below the stack whereby the escaping smoke is illuminated by the headlight lamp.

2,413,285
GYRO ROTOR ASSEMBLY
Samuel Bousky, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application May 8, 1944, Serial No. 534,656
3 Claims. (Cl. 74—5)



1. In a gyro assembly including a high speed gyro rotor having a hollow axle, a bearing carrying suspension means for said axle, a self-contained evacuated sealed casing enclosing said rotor and suspension means and having a relatively small quantity of liquid lubricant therein, intake passages from said casing for lubricant past said bearings and coaxially with said axle and outlet passages from said axle extending alternately radially and axially into said casing, said gyro wheel upon rapid rotation being adapted to generate sufficient heat to vaporize a portion of said liquid in the vacuum in said casing and break up the lubricant into a mist of finely divided liquid particles and create a centrifugal force sufficient to constitute in itself a suction system to draw said lubricant mist from the casing as a sump, coaxially about the axle bearings and radially outwardly through the rotor into the casing.

2,413,286
LENS
William Buchele, Toledo, Ohio
Application March 3, 1943, Serial No. 477,798
2 Claims. (Cl. 88—32)

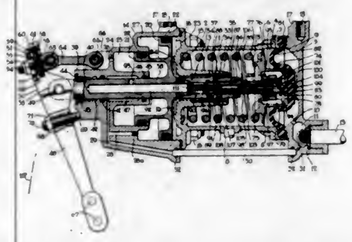


1. In an optical system for a binocular having a pair of conventional eye pieces, a concavo-spherical mirror with an opening therein leading to each said eye piece, a correcting plate and a convex mirror cemented to the center of said correcting plate opposite each said spherical mirror, said convex mirror facing said spherical mirror.

2,413,287
FLUID OPERABLE CONTROL DEVICE
Rankin J. Bush, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 29, 1944, Serial No. 556,406
9 Claims. (Cl. 121—41)

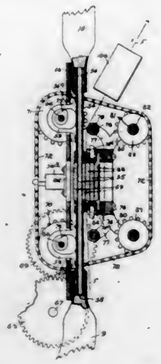
8. A fluid motor comprising a casing, a combined control and fluid pressure supply pipe con-

nected to said casing and normally charged with fluid at a pressure in excess of atmospheric pressure, said casing having a dash-pot chamber and a power chamber and a constantly open communication between said pipe and dash-pot chamber, choke means in said communication arranged to restrict flow of fluid under pressure into and out of said dash-pot chamber, differential area power means in said casing having



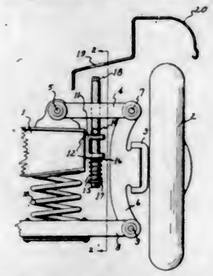
a relatively large area subject to pressure of fluid in said power chamber and a smaller area subject to pressure of fluid in said dash-pot chamber acting in opposition to pressure of fluid in said power chamber, and means operable upon an increase in pressure of fluid in said pipe to supply fluid under pressure from said pipe to said power chamber and upon a reduction in pressure of fluid in said pipe to release fluid under pressure from said power chamber.

2,413,288
PICTURE PROJECTION APPARATUS FOR STILLS AND FOR MOVING PICTURES
Arthur T. Cahill, Weehawken, N. J.
Application May 5, 1945, Serial No. 592,106
45 Claims. (Cl. 88—17)



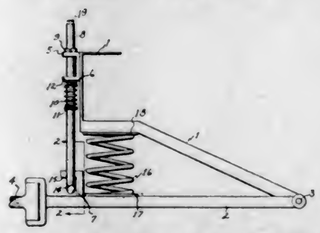
45. A picture projection apparatus having in the framing thereof an opening past which a film may be fed between a source of intense light and a screen-like member whereon the film picture is to be projected, and means to prevent injury by the light beam to the film when held stationary at such opening, said means including two, small, hollow, transparent, cooling units, means to press said units against both faces of the film and to open them, and means to create a forced circulation of a stream of cooling liquid in a closed circuit through both of said cooling units.

2,413,289
JACKING ATTACHMENT FOR FRONT WHEELS
Clarence F. Carter, Danville, Ill.
Application October 8, 1945, Serial No. 621,023
6 Claims. (Cl. 280—150)



1. An apparatus substantially as described for locking the frame of a vehicle such as an automobile with the axle in which the frame and axle are normally yieldably connected by a spring and knee action and in which the knee action comprises an upper horizontal pivotable arm attached to the frame, a lower horizontal pivotable arm, a spring attached to the lower pivotable arm and to the frame, a vertical arm pivotably attached to the upper and lower pivotable arms, and said vertical arm also attached to the axle, comprising a vertical support attachable to the frame below the upper pivotable arm of the knee action, a rotatable rod journalled in said support and extending below and above said support, a horizontal hook attached to said rod adjacent the upper edge of said support for locking said upper arm with the frame of the vehicle and said hook positioned to bear on said support when in engaging position and thus serving to raise the upper arm and frame together in locking position whenever a vertical movement is applied to the frame of the vehicle, and said hook arranged and adapted such that when it is not in such engaging position it may freely move past the upper arm of the knee action to permit free movement of the yieldable connection between the frame and the axle.

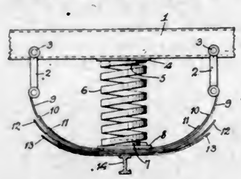
2,413,290
JACKING ATTACHMENT FOR REAR WHEELS
Clarence F. Carter, Danville, Ill.
Application October 8, 1945, Serial No. 621,024
6 Claims. (Cl. 280—150)



1. An apparatus substantially as described for locking the frame of a vehicle with the axle in which the frame and axle are normally yieldably connected by a spring and knee action comprising a first hook attachable to the axle; a vertical support attachable to the frame of the vehicle aligned substantially vertically with the first

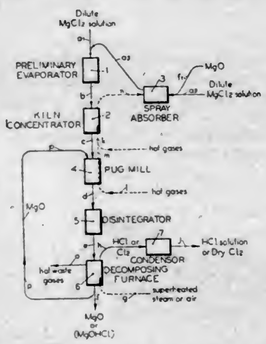
hook; a rotatable rod mounted in said support rotatable about a vertical axis and journalled in said support; a second hook on said rod adapted and arranged to engage the first hook when the rod is rotated to operative position to thereby couple the axle and frame together to enable the axle to be lifted with the frame when an upward force is exerted on the frame and said second hook further adapted and arranged such that when it is not engaged with the first hook free movement of the yieldable connection between the frame and the axle is obtained.

2,413,291
SPRING SUSPENSION
Charles H. Chapin, Chicago, Ill.
Application May 11, 1942, Serial No. 442,415
7 Claims. (Cl. 267—28)



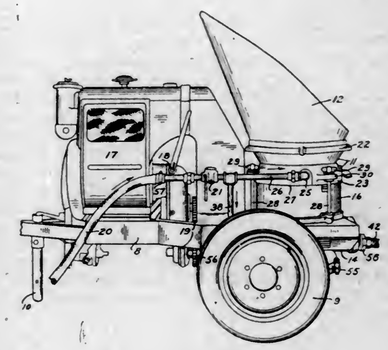
1. In combination in a spring suspension adapted to be positioned between relatively movable parts, a main spring composed of a coil spring and an auxiliary leaf spring, each arranged under certain conditions to effect and to be effected by the relative movement of said parts, said auxiliary spring and said main spring being so related to each other that, under heavy load, each acts as a load carrying member, and under minimum load, the main spring alone acts as a load carrying member, and under minimum load, the auxiliary spring acts against the main spring to place it under compression and thereby to compensate for the reduced load, and under intermediate load condition, the main spring acts as the sole load carrying member, and the auxiliary spring is dormant.

2,413,292.
RECOVERY AND DECOMPOSITION OF $MgCl_2$
Niels C. Christensen, Salt Lake City, Utah, assignor to Combined Metals Reduction Company, Salt Lake City, Utah, a corporation of Utah
Application January 17, 1944, Serial No. 518,618
10 Claims. (Cl. 23—201)



1. The process of forming a solid $MgCl_2$ - MgO product from a $MgCl_2$ solution and of decomposing the $MgCl_2$ in said product, which consists in heating and evaporating said solution to form a hot very concentrated barely fluid solution, mixing said last solution with sufficient finely divided MgO to form a solid $MgCl_2$ - MgO product, crushing said product to a relatively fine condition and passing said product upward through a sloping longitudinal externally heated chamber in countercurrent to an oxidizing gas passed downward through said chamber, thereby decomposing the $MgCl_2$ in said product and forming MgO and HCl, and using part of said MgO to form more $MgCl_2$ - MgO product for decomposition as described.

2,413,293
AGGREGATE MEASURER AND FEEDER
Richard R. Colburn, Waterloo, Iowa
Application March 30, 1945, Serial No. 585,643
16 Claims. (Cl. 302—49)

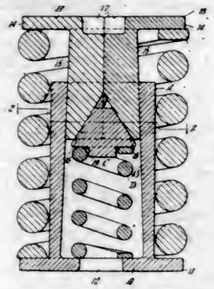


1. A measuring and feeding device comprising, a material supply hopper having a discharge opening, a measuring rotor having an annular series of pockets successively communicable with said opening to receive batches of material from the hopper, means for injecting fluid under pressure into said pockets to eject said batches therefrom after the pockets have been sealed from said opening, a feed rotor having parallel peripheral recesses of relatively small cross-sectional area for receiving successive increments of the batches ejected from said pockets by said fluid, and means for injecting other fluid under pressure longitudinally through the material laden recesses after they have been substantially sealed from said pockets.

2,413,294
CEMENTITIOUS PREPARATIONS
David Curtis, New York, N. Y.
No Drawing. Application February 16, 1943, Serial No. 476,113
13 Claims. (Cl. 260—22)

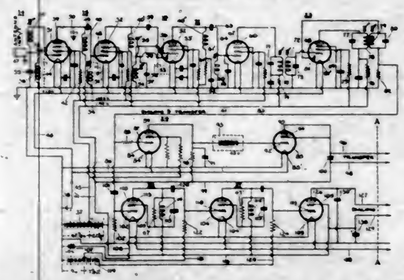
1. A composition of matter containing polymeric substance derived from monomer selected from the group consisting of methyl methacrylate, styrene, vinyl acetate and vinyl chloride, and a solvent therefor selected from the group consisting of chavicol, methyl chavicol, eugenol, eugenol methyl ether, safrole, iso-chavicol, anethole, iso-eugenol, iso-eugenol methyl ether, isosafrole.

2,413,295
FRICTION SHOCK ABSORBER
George E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 27, 1944, Serial No. 533,011
4 Claims. (Cl. 267—9)



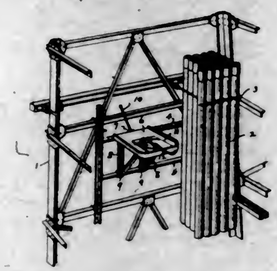
1. In a friction shock absorber, the combination with a friction casing open at one end and having interior, outwardly converging friction surfaces at said open end; of a friction unit comprising a plurality of friction shoes telescoped within the casing and having longitudinally extending friction surfaces in lengthwise sliding engagement with the friction surfaces of the casing, said shoes abutting each other on their inner sides to limit contraction of the friction unit and thereby restrict outward movement of the shoes with respect to the casing; a combined wedge and spring follower having wedge means engaged between the shoes at the inner ends thereof to spread the same apart; and a spring within the casing yieldingly opposing inward movement of the combined wedge and spring follower.

2,413,296
RECEIVER SYSTEM
Harmon B. Deal, Bloomington, Ind., William R. Alexander, Upper Montclair, N. J., and John A. Rankin, Park Ridge, Ill., assignors to Radio Corporation of America, a corporation of Delaware
Application December 20, 1943, Serial No. 514,964
12 Claims. (Cl. 250—2)



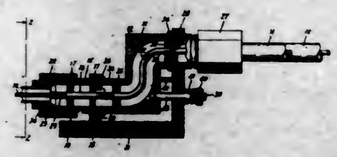
1. A receiving system comprising at least one amplifier having an input circuit sharply tuned to a desired carrier wave, means for applying to said input circuit a double frequency modulated carrier wave, said input circuit deriving from said wave a corresponding amplitude modulated carrier wave wherein the modulation is in the form of a frequency modulated sub-carrier, a rectifier provided with an input connection to said amplifier for rectifying the amplitude modulated wave energy, a resonant load circuit connected to said rectifier and tuned to develop thereacross modulation voltage derived from said amplitude modulated wave energy, a second amplifier having at least one sharply tuned input circuit to which said modulation voltage is applied whereby there is produced an amplitude modulated wave whose modulation is the second harmonic of the original modulation on the carrier, means for rectifying the last mentioned amplitude modulated wave energy to produce an alternating current component and a direct current component, means for amplifying the alternating current component, and means responsive to said direct current component for controlling the effectiveness of the last mentioned amplifying means.

2,413,297
PIPE HOLDER
Harold B. Deckert, Inez, Tex.
Application June 1, 1945, Serial No. 597,003
1 Claim. (Cl. 214—1)



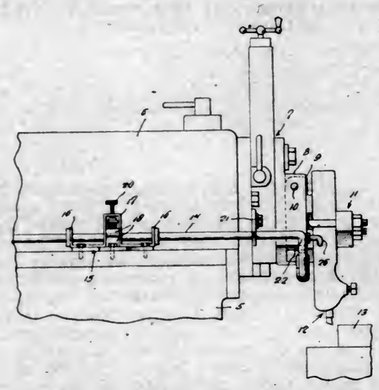
A pipe holder adapted to be mounted in a derrick and comprising, a plate-like support, a lever pivotally mounted, intermediate its ends, on the support and one end of which is formed into a pipe engaging hook, said lever being movable to active position to carry the hook out beyond a margin of the support into position to receive a pipe section to be held, a yieldable member connected to the lever and arranged to be placed under tension when the lever is moved to said active position, a latch on the support engageable with the other end of the lever to hold the hook extended out beyond said margin of the support, said yieldable member being operative to automatically withdraw the hook behind said margin and into inactive position upon release of the latch.

2,413,298
ULTRA HIGH FREQUENCY SWITCH
Donald R. De Tar, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application July 1, 1943, Serial No. 493,121
3 Claims. (Cl. 200—164)



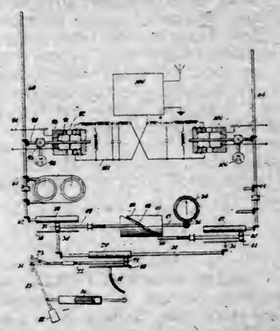
2. An arrangement for connecting a main concentric transmission line to a selected one of a plurality of branch transmission lines comprising, means for supporting the adjacent ends of said main line and said branch lines in spaced parallel relation, a rigid curved section of concentric transmission line having one of its ends journalled on the said end of said main line and its other end rotatable between positions of axial alignment with said ends of said branch lines, the ratio of the inner diameter of the outer conductor to the outer diameter of the inner conductor of each of said main line, said branch lines, and said section being equal to provide impedance matching for all positions of said section, resilient means connected between said supporting means and said section for positively connecting the inner conductor of said other end with the inner conductor of said selected one of said branch lines, and a conductive garter spring interposed between the outer conductor of said other end and the outer conductor of said selected line for providing positive connection therebetween.

2,413,299
TOOL LIFTING AND LOWERING DEVICE
Andrew J. Ducker, Petaluma, Calif.
Application December 20, 1944, Serial No. 569,024
3 Claims. (Cl. 90—55)



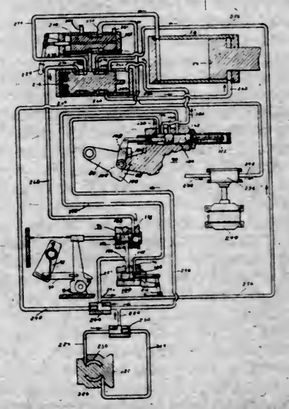
1. In combination with a shaper having a reciprocable tool head embodying a hinged tool-carrying clapper, said clapper having limited swinging movement to position the tool for cutting when the head is moved in one direction and to permit elevation of the cutter from the work when the head is moved in the opposite direction, an operating rod slidably mounted on the shaper for movement parallel with said head, friction means resisting free movement of the rod, means operatively connecting the rod to the clapper for automatically elevating the tool from the work and for positioning the tool for cutting respectively upon movement of the head in the second-named and first-named directions, and a bracket fixed to the shaper and having upstanding spaced apertured ends slidably receiving and guiding said rod and provided with an upwardly offset intermediate portion, said friction means including a friction block mounted in said offset portion above said rod, a spring on said block, and a set screw carried by said offset portion for adjusting the compression of said spring.

2,413,300
POSITION TRACKING, TRANSMITTING, AND RECORDING
Charles G. Dunn, Fort Leavenworth, Kans., and Wentworth J. Tellington, West Point, N. Y.
Application May 5, 1943, Serial No. 485,700
5 Claims. (Cl. 177—352)



1. A position recorder for vehicles including in combination a vehicle, means connected therewith for resolving the polar coordinates of vehicle travel into motion corresponding to the rectilinear coordinates of said travel, means for transmitting said rectilinear coordinates to a distant receiving station, means for disconnecting said coordinate resolving means from the vehicle travel motion, selectively operable manually actuated means for describing coordinates of positions apart from that of the vehicle and connections for transmitting said latter named coordinates through said transmitting means to said distant station.

2,413,301
POWER TRANSMISSION
Arthur L. Ellis, Deep River, Conn., assignor, by mesne assignments, to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application January 14, 1936, Serial No. 59,072
16 Claims. (Cl. 60—53)

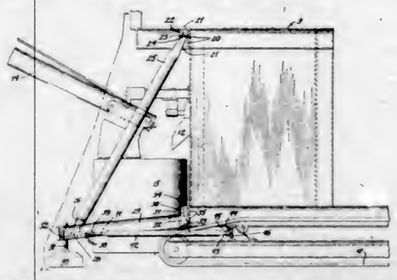


1. In a power transmission device the combination of a driving shaft, a driven member, a variable speed hydraulic transmission for delivering power from the driving shaft to the driven member, a member movable to vary the mechanical advantage of the driving shaft upon

the driven member, follow-up control means for normally determining the position of said member, fluid pressure operated means for moving said movable member, a valve responsive to excessive fluid pressure in the hydraulic transmission for controlling the fluid pressure operated means, and means for increasing the pressure response of said valve in accordance with changes in the position of the movable member tending toward increased mechanical advantage.

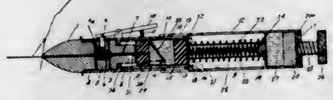
8. In a variable speed fluid power transmission device the combination of a variable displacement pump, a fluid motor driven by the pump, means for driving the pump, means for regulating the pump displacement in response to pressure changes produced at the fluid motor and means for increasing the response of the regulating means in accordance with decreases in the displacement of the pump.

2,413,302
BRACE STRUCTURE
John D. Farrell, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a corporation of Delaware
Application February 23, 1944, Serial No. 523,522
1 Claim. (Cl. 212—145)



A brace structure for a mobile unit having a frame, comprising a tubular brace arm extending downwardly, longitudinally and laterally from one side of said frame and having its upper end flattened and formed to provide a pair of spaced ears; means for pivotally connecting the upper end of said brace arm to the upper part of said frame and including a block pivotally mounted on said frame so as to be rotatable about a vertical axis, said ears embracing opposite sides of said block and a removable pin connecting said ears to said block; an adapter member partially extending into the lower end of said brace arm and connected thereto, the lower end of said adapter member having opposite vertical flat faces and being provided with a transverse hole extending therethrough; a generally horizontal bar assembly including a pair of spaced channel members arranged with their flat sides opposite each other; means for pivotally connecting the inner end of said pair of channel members to the lower part of said frame and including a second block pivotally mounted on said frame so as to be rotatable about a vertical axis, said flat sides of said channel members engaging opposite sides of said second block and a removable pin connecting said channel members to said second block; said lower end of said adapter member being arranged between said channel members near the outer ends thereof and the said flat faces of said adapter member engaging the flat sides of said channel members, a removable pin carried by said channel members and being received by said transverse hole in said adapter member; a generally horizontal tubular brace rod arranged on one side of and extending along said frame, the opposite end portions of said brace rod being flattened; means for connecting one end of said tubular brace rod to the adjacent one of said channel members and including a pair of spaced ears secured to said adjacent one of said channel members and adapted to receive therebetween said one end of said tubular brace rod and a removable pin connecting said one end of said tubular brace rod to said last mentioned ears; means for connecting the opposite end of said tubular brace rod to said frame and including a third pair of spaced ears secured to said frame and adapted to receive therebetween said opposite end of said tubular brace rod and a removable pin connecting said opposite end of said tubular brace rod to said third pair of ears; one flattened end portion of said tubular brace rod being provided with a series of longitudinally spaced holes any one of which is adapted to receive the correspondingly one of said removable pins thereby to adjust the effective length of said tubular brace rod; and a foot mounted on the end of said bar assembly.

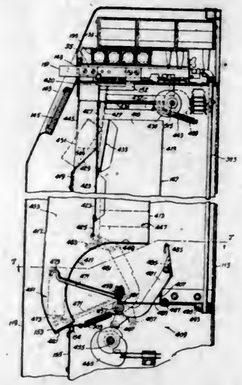
2,413,303
SYRINGE
Marvin L. Folkman, Shaker Heights, Ohio
Application January 17, 1944, Serial No. 518,601
12 Claims. (Cl. 128—215)



12. A syringe comprising an applicator section adapted to receive a medicament charge, ejector means for expelling the medicament charge from the applicator section, controlling means for controlling passage of the medicament charge from the applicator section, an operating section associated with the applicator section of the syringe and comprising energy storing means coacting with the ejector means, an instrumentality for storing up energy in said energy storing means for effecting medicament expelling action of the ejector means under the control of the controlling means, and said operating section having a fluid holding compartment intermediate said instrumentality and said energy storing means.

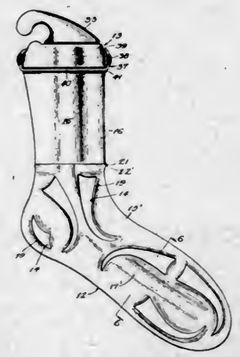
2,413,304
VENDING MACHINE
Benjamin W. Fry, University City, Mo., assignor to National Vendors, Inc., St. Louis, Mo., a corporation of Missouri
Original application May 5, 1941, Serial No. 391,907. Divided and this application September 30, 1944, Serial No. 556,540
11 Claims. (Cl. 312—65)

5. In a vending machine, article delivery means comprising means forming a plurality of discharge channels, means for moving articles up against gravity in said channels toward their upper ends, trap doors respectively in the channels admitting upward movements of articles but preventing complete return movements, said channels having outlet openings above said trap doors, an abutment above each said opening, a movable back on each channel behind its discharge opening having a closed and an open position, each back in its closed position, the respective abutment and its respective trap door acting to hold an elevated article, said respective back when open releasing the respective article to be discharged from said opening, a plurality of manually operable plungers for selectively initiating package delivery, means on each manually operable plunger for normally holding shut a respective back but allowing the back to open when the plunger is pushed, reciprocating automatic means



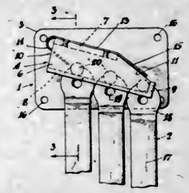
normally holding all backs in package holding positions but automatically movable to package releasing positions for all backs after one of the manually operable plungers is operated, said manually operated plunger only releasing the respective back for package release through a respective opening.

2,413,305
SOCK STRETCHER
Bruce A. Gear, Los Angeles, Calif.
Application September 12, 1945, Serial No. 615,857
12 Claims. (Cl. 223—75)



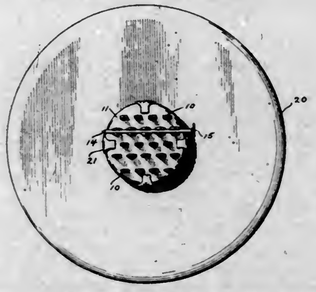
1. A stretching and drying device for stockings comprising a two-part form including a foot member and a leg member extensibly connected to each other, means carried by the leg member to clamp the open end portion of a sock to said leg member after the stocking has been drawn over the form; and screwjack means for extending the foot portion from the leg portion so as to take up the slack in the stocking.

2,413,306
TOOTHBRUSH HOLDER
George A. Gibson, Jr., New York, N. Y.
Application June 10, 1944, Serial No. 539,767
6 Claims. (Cl. 211—65)



1. A holder of the character described comprising a casing having an inlet and an outlet and means defining a passageway between the inlet and outlet, comprising a trackway extending between the inlet and outlet for travel thereon of articles having supporting portions adapted to be disposed in the passageway, retaining means guarding the inlet and operative to permit the supporting portions of articles to enter the passage and to prevent their withdrawal through the inlet, and retaining means at the outlet to prevent casual displacement of the supporting portions of the articles through the outlet while permitting of their manual withdrawal therethrough.

2,413,307
FLOWER HOLDER
Arthur D. Gifford, Milford, Calif.
Application January 7, 1943, Serial No. 471,535
1 Claim. (Cl. 47—41)

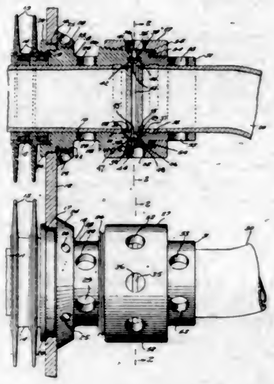


A flower holder comprising a base member, a plurality of upright spring clips formed of pairs of normally abutting leaves fixed on said member and arranged in parallel rows thereon, each pair of leaves being deformed complementarily adjacent the base member to form an elliptical opening; the openings of each row of clips being in horizontal alignment, and a withdrawable pin having a shank of oval cross-section seated in the openings of a row of the clips and adapted to be turned therein to spread the leaves by cam action for reception of plant stems.

2,413,308
JOINT
Stanfield N. Arnold, Brooklyn, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application March 30, 1942, Serial No. 436,825
20 Claims. (Cl. 285—120)

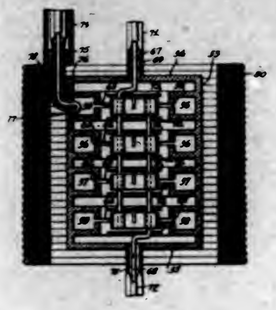
7. A joint for connecting conduits of fluid comprising a member secured to each of the conduits joined, the members having therein an annular

row of spaced apertures, screw threads on one of said members intermediate the end thereof and the apertures, said members having adjacently opposed faces each having therein a continuous groove shaped to provide wall portions extending at an angle to the face toward a point in a plane intersecting the groove and extending normally to the face, the width of the grooves decreasing in a direction away from the face, said grooves having substantially the same dimensions and disposed in substantial coaxial relationship in said members, a sealing ring having the general configuration of the grooves and having a concave outer surface and convex inner surface spaced apart a distance less than the width of the grooves adjacent the faces but greater than the width of the grooves intermediate the opposite ends of said wall portions thereof, the ring being positioned between the members with the inner surface thereof toward the fluid pressure in said conduits so as to be acted upon by said fluid pressure and distended axially by the pressure, the ring engaging and exerting pressure on said wall portions of the grooves only at a point intermediate the opposite ends of the wall portions, the ring being of such width as to maintain said adjacently disposed faces out of contact with each other when the ring is in engagement with said wall portions, means cooperable with said members for drawing the members toward one another to bring the ring and wall portions of the grooves into said engagement, and means comprising a nut adapted to engage the threads on said one of the members and having an annular row of spaced apertures therein.

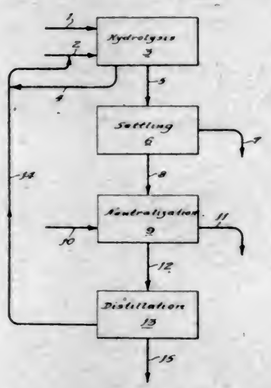


2,413,309
ELECTRICAL APPARATUS
Hugo Benioff, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application June 24, 1941, Serial No. 399,495. Divided and this application February 20, 1942, Serial No. 431,685
3 Claims. (Cl. 250—27.5)

1. A thermionic magnetron tube comprising a casing formed as a toroidal shell, means providing a toroidal resonator shell within said toroidal shell and coaxial therewith forming the anode of a magnetron tube, said toroidal resonator shell having a slot coaxial with said resonator shell, a cathode element also coaxial with said resonator shell and positioned in opposed relationship with said resonator shell in the vicinity of the slot in said shell and means forming a magnetizing field extending in a direction perpendicular to the electric field between the cathode and the anode of the magnetron tube.



2,413,310
PROCESS FOR THE RECOVERY OF HYDROCARBONS FROM A SLUDGE
Herman S. Bloch, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 31, 1943, Serial No. 481,282
4 Claims. (Cl. 196—148)



1. A process for the recovery of hydrocarbons from a sludge formed by the treatment of hydrocarbons with a metallic halide catalyst which comprises commingling said sludge with an aqueous hydrolyzing medium and a low boiling substantially inert hydrocarbon liquid, hydrolyzing said sludge with said hydrolyzing medium, refluxing said hydrocarbon liquid during the hydrolyzing step to dissipate the exothermic heat of hydrolysis as the heat of vaporization of said liquid and to maintain the hydrolysis temperature at substantially the boiling point of said liquid, and recovering from the reaction mixture hydrocarbons liberated from said sludge by the hydrolysis thereof.

2,413,311
LUBRICANT AND PROCESS FOR PREPARING SAME
Charles A. Cohen, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 8, 1943, Serial No. 505,507
14 Claims. (Cl. 260—504)

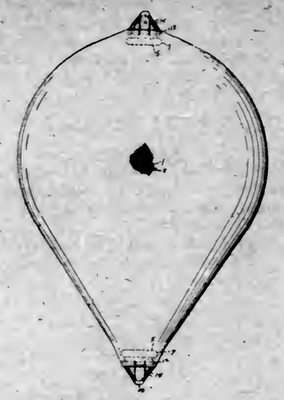
1. The process which comprises contacting a finely divided siliceous filter aid selected from the group consisting of diatomaceous filter aids, tripoli, and finely ground silica, with an acid-treated oil containing pre-formed pepper sludge in dispersion, dissolved sulfur dioxide, and oil-soluble sulfonic acids having a combining weight of at least 400 to co-precipitate the pepper sludge with the filter aid, removing co-precipitated pepper sludge and filter aid from the oil, removing dissolved sulfur dioxide from the oil, and thereafter neutralizing the oil-soluble sulfonic acids with a basic compound of polyvalent metal to form soluble sulfonates of said metal in the acid-treated oil from which pepper sludge and sulfur dioxide have been removed.

2,413,312
CATALYTIC FINISHING OF GASOLINES
Robert M. Cole, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 26, 1945, Serial No. 574,755
5 Claims. (Cl. 196—28)

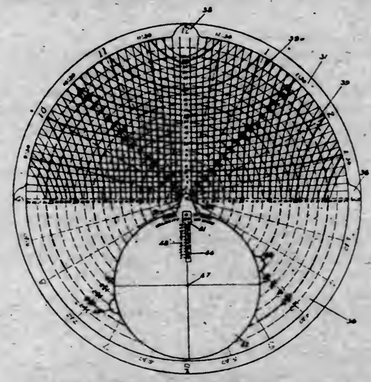
1. Process for the catalytic finishing of sulfur-containing olefinic gasolines which comprises treating the gasoline in the presence of an excess of hydrogen and a sulf-active hydrogenation catalyst at a temperature between about 400° F. and 825° F. under conditions chosen to effect only a partial desulfurization and to hydrogenate only a minor part of the olefins, separating said partially desulfurized material into a lower boiling olefinic fraction and a higher boiling olefinic fraction, treating said higher boiling fraction in the presence of an excess of hydrogen and a sulf-active hydrogenation-dehydrogenation catalyst at a temperature between about 850° F. and 1000° F. under conditions chosen to effect substantial further desulfurization and substantial saturation of olefins, and blending the product of said second treatment with said lower boiling fraction to produce a refined olefinic gasoline having an octane number at least as high as the original starting material.

2,413,313
COLLAPSIBLE SALVAGE PONTOON
John A. Cook, San Francisco, Calif.
Application August 17, 1943, Serial No. 500,371
15 Claims. (Cl. 114—54)

1. A pontoon comprising a flexible, collapsible cage of woven wire, an inflatable substantially gas-tight, flexible bag within said cage of a shape and size adapted to expand said cage when the bag is inflated with a gas, means carried by said cage for securing said cage to the object to be salvaged, and a valved inlet and outlet carried by said bag for inflating and for deflating the same, a ring at one side of said cage to which the wires of the latter are secured; said bag being formed with a circular opening coaxial with said ring, an annular member coaxial with said ring to which the said edges of said opening are secured, means securing said ring to said annular member against removal of said ring therefrom; a plate closing said opening and carried by said annular member, and said valved inlet and outlet being in said plate.



2,413,314
COMPUTING DEVICE
Charles G. Cruzan, United States Navy
Application January 15, 1946, Serial No. 641,369
4 Claims. (Cl. 235—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A computing device comprising a disc having a plurality of spaced radial markings and a plurality of spaced concentric markings on one face thereof, a transparent disc rotatably positioned against said face and having thereon a series of markings which are mathematical curves according to the formulae

$$Y^2(16A^2-4K^2)-4K^2X^2=4A^2K^2-K^4$$

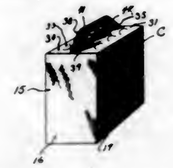
and

$$X^2(16A^2-4K^2)-4K^2Y^2=4A^2K^2-K^4$$

where X represents units along the horizontal axis, Y represents units along the vertical axis, and K represents, in turn, a plurality of numbers of a series of arbitrarily selected constants and A is a constant, a disc positioned on one of said previously mentioned discs and having a series of radial columns of numerals representing direction of wind, velocity of wind and a series of correction factors, and another disc rotatably posi-

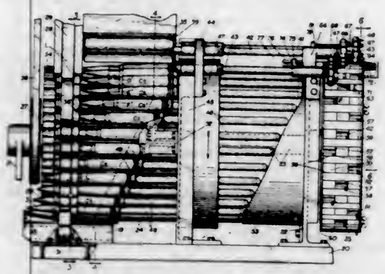
tioned with respect to said last mentioned disc and having thereon a column of numbers representing the angular position of the origin of said sound signal with respect to a fixed point, said radially positioned correction factors being located to correspond, each column in turn, with said numbers representing the angular position of the sound signal.

2,413,315
COMBINED BOTTLE CARRIER AND CARTON
John K. Darragh, Milwaukee, and Harold E. Rue, Wauwatosa, Wis., assignors to Pabst Brewing Company, Chicago, Ill.
Application April 8, 1942, Serial No. 438,054
7 Claims. (Cl. 229—28)



1. A combined bottle carrier and carton comprising, an outer case having side and end walls, a removable bottle partition filler slidably fitted in said case including a central partition wall and laterally extending wings said wings being parallel with the walls of the case and engaging the inner faces of said end walls, the wings and central partition having notches open at their upper ends at the points of juncture of the wings with the central partition, and said case also including cover flaps foldable inside the case parallel with the wings and the end walls of the case and into engagement with the wings to form with the end walls slideways for the wings, the lower ends of the flaps being received in said notches to permit sliding movement of the filler relative to the case.

2,413,316
ROTARY BELT LOADING MACHINE
Robert M. Freeman, United States Navy
Application March 20, 1942, Serial No. 435,523
12 Claims. (Cl. 86—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for selectively depositing cartridges on a moving conveyor comprising in combination, a plurality of magazines for cartridges, a selector mechanism, feeding means for each of said magazines for feeding individual cartridges from the magazines to the conveyor, means for operating said selector mechanism in synchronism with said moving conveyor, an intermittent motion mechanism for each of said feeding means located adjacent said selector mechanism including a plurality of tripping means on said selector mechanism for momentarily engaging said intermittent motion mechanisms for feeding a single cartridge from one of the magazines during a single engagement.

2,413,317
METHOD OF MAKING BIMETALLIC PRODUCTS
Frank R. Frost, Pittsburgh, Pa.; Amy Lusk Frost, Elizabeth F. Potter, and The Union Trust Company of Pittsburgh, executors of said Frank R. Frost, deceased; said Frank R. Frost assignor to Superior Steel Corporation, Pittsburgh, Pa., a corporation of Virginia
Application July 31, 1942, Serial No. 453,092
2 Claims. (Cl. 29—188)



1. A method of making a rolled bimetallic product comprising forming an elongated substantially straight ferrous metal billet component and a plurality of rolled elongated billet components of relatively soft metal of such character that it cannot practicably be consistently rolled without relatively great camber, the second mentioned components being relatively short as compared with the first mentioned component and sufficiently straight to lie along and substantially match sections of the length of the first mentioned component, assembling and joining the first mentioned component and the second mentioned components with the second mentioned components lying in end-to-end relationship along the first mentioned component, but with adjacent ends of the second mentioned components spaced somewhat apart, filling the spaces between adjacent ends of the second mentioned components with metal fillers, rolling the billet thus produced and thereafter shearing out sections of the length of the rolled product formed from the sections of the length of the bimetallic billet at said fillers.

2,413,318
LADY'S SCARF
Amelia Golfieri, New York, N. Y.
Application April 10, 1945, Serial No. 587,580
3 Claims. (Cl. 2—207)



3. An article of wearing apparel which comprises an elongated endless loop of material, the opposite sides of which loop are secured together only along a portion of the loop midway of the length thereof and spaced from the ends thereof, defining two separate and spaced-apart openings through the loop in the same plane.

2,413,319
SCARF-CAPUCHIN
Amelia Golfieri, New York, N. Y.
Application July 21, 1945, Serial No. 606,352
3 Claims. (Cl. 2—198)

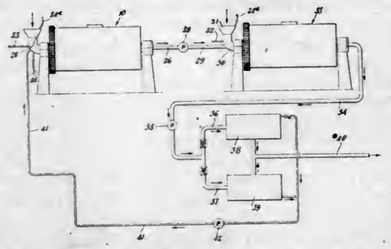


2. An article of wearing apparel which comprises an elongated endless loop of material, the opposite sides of which loop are secured together only along a portion of the lop spaced from the ends thereof, and nearer to one end than the other defining separate openings through the loop in the same plane, one of which openings is greater than the other.

2,413,320
FILM FORMING EMULSIONS
Ira L. Griffin, Dave E. Truax, and Norman H. Nuttall, Charlotte, N. C., assignors to Stein, Hall and Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 14, 1942, Serial No. 442,992
34 Claims. (Cl. 106—208)

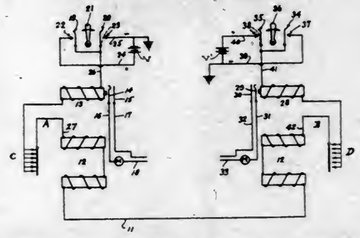
19. A film forming emulsion comprising a water immiscible phase and an aqueous phase, the aqueous phase containing a water dispersible polyhydroxylated film forming substance capable of being converted to a water insoluble film by drying in the presence of an antimony compound active to convert said water dispersible polyhydroxylated film forming substance to a less soluble form when dried in association therewith.

2,413,321
METHOD OF PRODUCING ALKALINE EARTH METAL SULFITES AND PRODUCT THEREOF
Gerald Haywood, Westernport, Md., and Wright M. Welton, Piedmont, W. Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application March 13, 1941, Serial No. 383,148
16 Claims. (Cl. 23—129)



3. A method of producing a finely divided alkaline earth metal sulfite for use as a pigment material, which comprises subjecting lumps of alkaline earth metal carbonate to the simultaneous action of attrition, an acid sulfiting agent, and sufficient water to form a slurry of the sulfite produced whereby to remove same as formed from the surface of the lumps, the sulfiting agent being maintained in sufficient concentration to keep the slurry acid in the range of pH 2.5 to 6, and thereafter raising the pH of said slurry to the desired point by continuing the attrition without continuing the addition of the sulfiting agent.

2,413,322
TELEGRAPH SYSTEM
Roland S. Hewitt, Osawatomie, Kans.
Application January 25, 1944, Serial No. 519,668
2 Claims. (Cl. 178—4.1)



1. In a printing-telegraph system, sending-receiving stations, a line circuit interconnecting said stations, means for controlling starting and stopping operations of a receiving station from a sending station, a voltage source for each of said stations, and a manually operable switch at each station for selectively reversing the polarity of current applied to said line circuit from said voltage sources to control the operation of said means.

2,413,323
COLLAPSIBLE CONTAINER FOR PASTES
George S. Hills, New Rochelle, N. Y.
Application April 2, 1941, Serial No. 386,408
2 Claims. (Cl. 222—107)

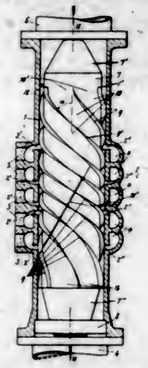


2. A collapsible container for pastes formed from a water-resistant thermoplastic flexible resin containing a plasticizer and having a seamless hollow tubular body, the walls of which are thin and flexible so that they can be readily collapsed and when collapsed will remain in contact with the paste contained therein, said tubular body terminating at one end in a tapered integral shoulder and an integral neck thereon having an opening therein, the walls of the shoulder increasing in thickness toward the neck, the tubular body containing more plasticizer than the shoulder and neck portions of said container.

2,413,324
GAS PURIFYING APPARATUS
Hans Theodor Holzwarth, Woodmere, N. Y., assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application June 8, 1940, Serial No. 339,449
In Germany June 9, 1939
2 Claims. (Cl. 183—79)

1. Apparatus for the purification of gases by removal of liquid or solid particles suspended therein, comprising an approximately helical channel through which the gases to be purified travel, the inclination of the side walls of the

channel with respect to the longitudinal axis about which the channel is curved being of varying degree, and increasing from the inlet end of the channel to an intermediate section of the channel where a region of narrowest channel



cross-section is provided, the inclination of the walls then decreasing from such narrowest cross-section toward the discharge end of the channel, and discharge openings in the outer periphery of the channel into which the suspended particles are flung by centrifugal force, the discharge openings comprising a series of axially spaced annular slits in the outer wall of the channels.

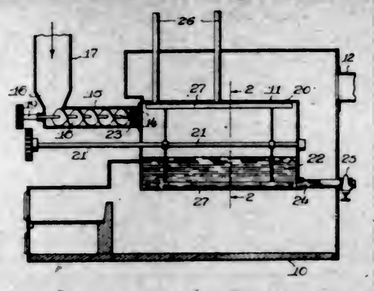
2,413,325
HAIR REMOVER
Stephen V. Horton, Lake Forest, Ill., assignor to S. V. H. Corporation, a corporation of Illinois
Application October 16, 1944, Serial No. 558,788
1 Claim. (Cl. 51—185)



A reversible hair remover comprising a single and continuous thin sheet of flexible abrasive material, having each side thereof completely coated with abrasive, and having thereon integral interlock means including a hooked tab on one edge thereof and a slot adjacent the opposed edge thereof adapted detachably and reversibly to secure the sheet into the form of a mitt with both surfaces of the entire sheet including the interlock means being coated with said abrasive, said interlock means being located at one edge of the mitt.

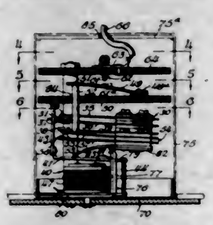
2,413,326
RESINOUS MATERIALS AND PROCESS OF PREPARING THE SAME
Frederick W. Kressman and Frederick W. Kressman, Jr., Laurel, Miss., assignors of one-half to Continental Turpentine & Rosin Corporation, Inc., Laurel, Miss., a corporation of Mississippi
Application January 5, 1942, Serial No. 425,700
9 Claims. (Cl. 260—104)

1. A process of forming a resinous plastic material comprising heating a body of rosin to a temperature in the range of 450° F.–550° F., introducing into the heated body a solid lignocellulosic material, agitating the mixture, and



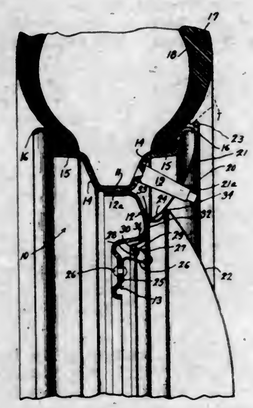
then heating the same to a reaction temperature until the entire mass has liquefied, said reaction temperature being at least approximately 600° and not substantially above 650°.

2,413,327
AUTOMATIC CUTOUT FOR NEON SIGN OR LIKE CIRCUITS
Robert J. Leverte, Brooklyn, N. Y., assignor to Samuel C. Miller, New York, N. Y.
Application August 13, 1941, Serial No. 406,655
2 Claims. (Cl. 175—294)



1. An automatic cut-out device for the high tension circuit of a neon sign installation or like comprising in combination an electromagnetic relay including a coil and a core, a field piece having an upright leg including a body portion adjacent the coil, an armature hingedly mounted at one end on said upright leg of the field piece, including a portion for registry with the end of said core, an extension piece on said body portion for hingedly supporting the armature normally out of direct contact with the field piece, a pair of spring bar type of conductor fingers mounted upon said extension and insulated from each other at one end thereof and carrying contacts adjacent the other end normally spaced from each other, a common spring bar type of conductor finger mounted in insulated relation between said first fingers and having contacts common to each of the contacts of the first fingers, said common finger normally being urged against one of the fingers and including an extension connecting the same in insulated relationship to said armature for movement of said common finger and armature substantially in unison, a switch for said magnetic relay comprising a pair of spring bar type of fingers having cooperative contacts normally spaced from each other, a bi-metallic strip mounted on said support, a contact for said strip cooperatively spaced from a second contact providing a spark gap for heating said bimetallic strip to warp the same by the heat of the spark, and insulated means connected to said strip to contact and move said fingers of said switch towards each other, to close the electrical circuit actuating said relay upon deflection of said strip by the heat of said spark gap.

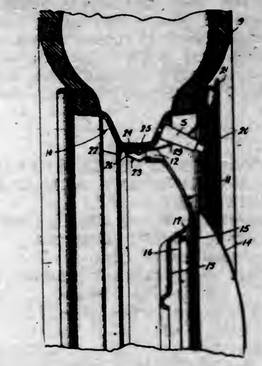
2,413,328
WHEEL STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application August 20, 1943, Serial No. 499,324
8 Claims. (Cl. 301—37)



1. In a cover structure for a wheel, having a tire rim and a central body part, there being retaining means on the outer side of the wheel structure, a radially outer annular cover part for the tire rim and a central, separate circular hub cap simulating part for the body part, said hub cap having a retaining portion for detachably engaging said retaining means on the outer side of the wheel structure and an intermediate portion extending radially outwardly from said retaining portion, said annular part having a radially inner biting margin formed to retainingly engage the radially outwardly extending portion of the hub cap and being resiliently and wedgingly engageable therewith by axial movement thereagainst from the rear side to afford a unitary, multi-part cover assembly.

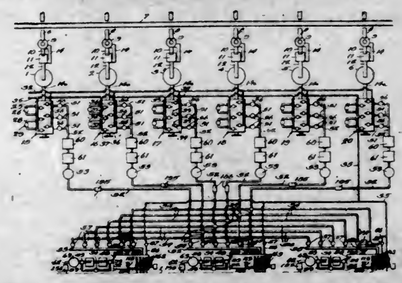
2,413,329
METHOD OF MAKING WHEEL TRIM
George Albert Lyon, Allenhurst, N. J.
Original application April 10, 1944, Serial No. 530,356. Divided and this application January 12, 1945, Serial No. 572,541.
5 Claims. (Cl. 18—47.5)

4. The method of forming annular wheel cover members from elongated relatively thin plastic material which includes the steps of imparting the desired transverse cross-sectional configuration to the material, severing the material into pieces of prescribed length, joining the ends of such of the pieces to form an annulus of prescribed diameter having the initially formed transverse cross-sectional configuration and severing the annulus along a tortuous medial line to provide substantially identical cover members on each of which are spaced portions alternating with spaced portions on the other member and thereafter forming each of said spaced portions



with snap-on retaining means to enable each cover member to be self-retained on a wheel.

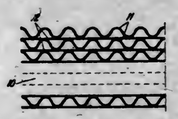
2,413,330
APPARATUS FOR PREPARING MIXTURES OF CERAMIC MATERIALS IN THE MANUFACTURE OF POTTERY WARE



William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1942, Serial No. 454,716
15 Claims. (Cl. 25—1)

1. A clay body preparation system including sources of supply of the various materials for the body, a plurality of clay body supplying devices, means for drawing off predetermined amounts of the materials from selected sources, means for preparing same to form clay bodies of various proportions of the materials and means for selectively conducting the bodies therefrom to said devices respectively.

2,413,331
HEAT INSULATION
Carl Georg Munters, Stockholm, Sweden
Application April 5, 1941, Serial No. 386,998
In Sweden April 8, 1940
3 Claims. (Cl. 154—45)



1. Multi-ply insulation unit which is composed of paper sheets which are alternately plane and

corrugated, the corrugated sheets having the corrugations extending substantially parallel throughout the unit, the sheets being interconnected at spaced points only along the crests of the corrugated sheets by means of a water soluble binding agent and being impregnated with asphalt, which coats the binding agent so as to prevent it from being dissolved under the action of moisture.

2,413,332

COMPOSITION OF MATTER SUITABLE FOR USE AS A LUBRICANT AND LUBRICANT COMPRISING THE SAME

John M. Musselman, South Euclid, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application December 15, 1943, Serial No. 514,421
21 Claims. (Cl. 252—32.7)

1. A composition of matter suitable for use as a lubricant and as an addition agent in an amount to improve the characteristics of lubricating oils and greases, comprising the reaction product of a phosphorus sulfide and an oxygen-containing wax, in admixture with a plural metal compound of said reaction product.

2,413,333

CROWN TYPE TOOTH

Simon Myerson, Brookline, Mass.

Application November 25, 1942, Serial No. 466,845
13 Claims. (Cl. 32—10)



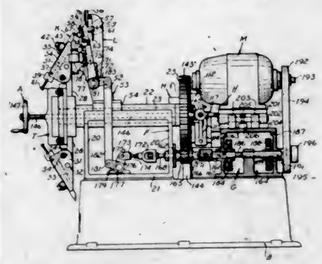
3. An artificial tooth having a labial face, a lingual face and a gingival face, the tooth having a cavity in said gingival face, one wall of the cavity intersecting the lingual face, and a pin having one end embedded in the substance of the tooth, the pin emerging from said wall of the gingival cavity at a point between the lingual face and the mid-point of the tooth as measured along said wall.

2,413,334

GRINDING MACHINE

Oliver T. Pieper, Wilmington, Del., assignor to Lobdell Company, Wilmington, Del., a corporation of Delaware

Application June 16, 1943, Serial No. 490,965
15 Claims. (Cl. 51—134)



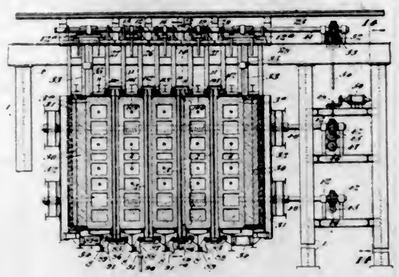
12. In combination with a grinding stone, a movable work holder and operating means therefor, gauge means having a part to contact the work to determine its position relative to a grinding face of the stone, a movable support for said gauge means, means for moving said support to dispose said gauge means in operative or inoperative position, and means connected with and responsive to actuation of said last named means to move the gauge means to its operative position, to render said operating means for the work holder inoperative.

2,413,335

APPARATUS FOR OPERATING COKE OVENS WITH MOVABLE WALLS

Franz Puening, Bethlehem, Pa.

Application January 18, 1943, Serial No. 472,686
15 Claims. (Cl. 202—105)



11. In a battery of coking ovens having internally heated walls, which are relatively movable with respect to each other, side sealing devices, means adapted to press said side sealing devices upon the heated walls in gas-tight connection, top sealing devices adapted to permit unobstructed cleaning of said side sealing devices and comprising flexible continuous water troughs surrounding the upper ends of the side sealing devices in gas-tight contact with said side-sealing devices, and means forming gas-tight connections between said top sealing devices and the heated walls.

13. A battery of narrow, high-speed coking ovens, comprising a plurality of internally heated brick-built coking walls, which are relatively movable with respect to each other, and comprising a plurality of chambers sandwiched between said walls, each of said walls being accessible from the atmosphere on its outer narrow non-coking faces, gauging means responsive to the wall pressure in said chambers, means actuated by said gauging means for causing said walls to recede from each other during coking operation upon increase of said coal pressure, and sealing means for keeping each of said chambers sealed against the atmosphere during the recession of the walls, said sealing means being accessible from the atmosphere.

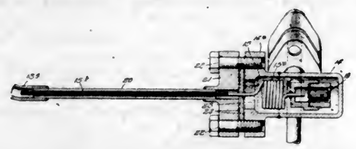
2,413,336

REFRIGERANT CONTROLLING AND EXPANSION APPARATUS

Joseph N. Roth, Belding, Mich., assignor, by mesne assignments, to Montcalm, Incorporated, Greenville, Mich., a corporation of Michigan

Original application May 17, 1941, Serial No. 394,031. Divided and this application September 11, 1943, Serial No. 501,936
5 Claims. (Cl. 62—127)

1. In combination with a refrigerator cabinet with a food compartment having insulated walls and an evaporator therein having an inlet, refrigerant controlling and expansion apparatus, including: a section of straight tubing of small diameter extending through one of the insulated walls, the inner end of said section opening into



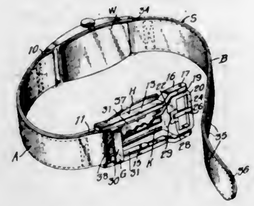
the inlet of the evaporator; and a capillary tube having the major portion thereof outside of said one insulated wall and terminating in a straight portion received by said section of tubing in a close fit, the inner end of the capillary tube extending within said insulated wall.

2,413,337

KEY RETAINER

Samuel Segal, New York, N. Y.

Application April 5, 1943, Serial No. 481,915
13 Claims. (Cl. 224—28)



1. A key retainer for supporting a key comprising a strap component having bearing means, a hasp having means rotatably sustained by said bearing means and including spaced arms, a stay interposed between said arms and including spaced legs, means disconnectably locking said arms to said legs, a key having a bow including an opening, said bow and arms having means for rotatably supporting said key, a tongue pivoted to said bow and adapted to extend across said opening, a strap component adapted to be threaded through said opening and including a plurality of perforations selectively interlocking with said tongue and including terminal means adapted to be threaded through said stay to permit the said last mentioned component to conceal said key when the latter is fully interposed between said arms, and said bow and tongue characterizing buckling means to prevent removal of said last mentioned component from said opening when interlocked with said tongue.

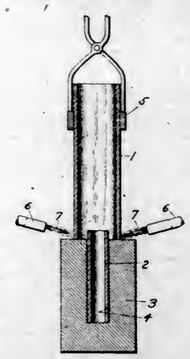
2,413,338

EXHAUST TUBULATION FOR ELECTRONIC DISCHARGE TUBES

Wallace H. Small, Waltham, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 3, 1943, Serial No. 477,894
2 Claims. (Cl. 49—82)

1. The method of sealing a glass exhaust tubulation to a glass envelope of an electrical space discharge tube which comprises inserting a substantially straight-sided glass tubulation into a bore in a refractory block so that only a relatively small portion of said glass tubulation, sufficient to have said portion sealed to an envelope, projects beyond said block, supporting a substantially straight-sided tubular glass envelope having an open end with said end substantially in contact with the surface of said block and surrounding said portion of said tubulation, heating the outer wall of said end to the softening point by means of a flame applied from the exterior of said envelope whereby said portion of said tubulation is heated to sealing temperature substantially solely by radiation of heat from said end of said envelope.

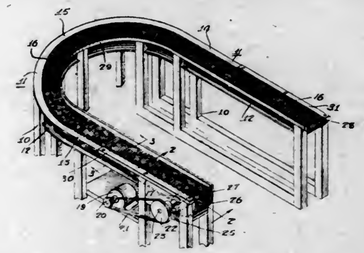


2,413,339

CONVEYER

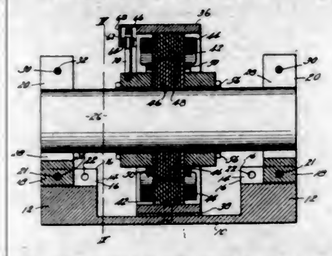
Frank Stadelman, Cranford, N. J., assignor to Latendorf Conveying Corporation, Bayonne, N. J., a corporation of New Jersey

Application May 6, 1944, Serial No. 534,455
9 Claims. (Cl. 198—182)



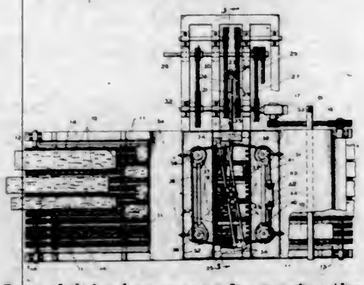
1. In a conveyer, a flexible endless belt comprising a web of interconnected elements having freedom for transversely-differential lengthwise expansion and contraction arranged in a working run and a return run, a bed supporting the working run and including a laterally-curved portion, and driving means engaged with the return run only of the belt for pulling said return run, the web of said belt being longer than the combined lengths of the working and return runs whereby a slack zone is formed immediately in front of said driving means and whereby the working run is loosely disposed on said bed so that the interconnected elements are free to expand and contract around the laterally-curved portion of said bed.

2,413,340
TORSIONAL VIBRATORY ELECTRIC MOTOR
William Duncan Swallow, Los Angeles, Calif., assignor of two-thirds to Herbert E. Pelton and George S. Pelton, both of Los Angeles, Calif.
Application March 23, 1944, Serial No. 527,813
9 Claims. (Cl. 172—126)



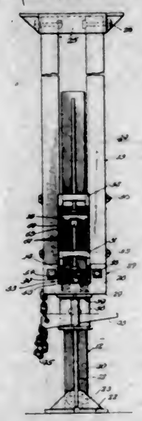
1. A torsional electric motor adapted to vibrate a variable load, which includes: a cylindrical torsion rod; means adjustable along the length of said torsion rod for clamping each end thereof in fixed position whereby the central portion of said rod can be twisted; a rocker arm fixed to the central portion of said torsion rod and adapted to be connected to a load to be vibrated; an electro-reactive member surrounding the central portion of said torsion rod and movable therewith; a stationary electro-reactive member surrounding said first electro-reactive member and adapted to cooperate therewith to twist said torsion rod when current is supplied to said electro-reactive members; an audio frequency amplifier with its output connected to one of said electro-reactive members to supply a power current thereto; current generating means operable by the oscillations of said torsion rod to generate a current whose frequency is determined by the frequency of vibration of said torsion rod; and means connecting said generating means to said amplifier whereby said generated current will control the frequency of said power current to thereby synchronize the same with the frequency of vibration of said torsion rod.

2,413,341
HYDRAULIC BARKER FOR SLABS
Frank H. Swift, Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada
Application June 2, 1944, Serial No. 538,360
9 Claims. (Cl. 144—208)



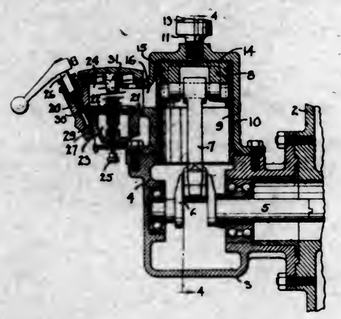
1. In a slab barker, means for moving the slabs longitudinally through the barker, a hydraulic debarking nozzle, said nozzle positioned above said slab moving means and adapted to discharge a debarking jet downwardly on the slabs, means for delivering water under pressure to said nozzle, means for moving said nozzle back and forth across the path of said slabs, a movably mounted guideway, said nozzle slidably attached to said guideway and arranged so as to move along said guideway causing said guideway to direct the course of said nozzle in its back and forth movement, said guideway mounted to swing in a plane parallel to the plane in which said slabs move, mechanism attached to said guideway for positioning said guideway obliquely with respect to the line of movement of the slabs and for alternating said oblique position at each reversal of movement of said nozzle, and a control for said mechanism connected with said nozzle.

2,413,342
ADJUSTABLE SHORE
Arthur H. Symons, Chicago, Ill., assignor to Symons Clamp & Mfg. Company, Chicago, Ill., a corporation of Delaware
Application July 26, 1943, Serial No. 496,127
12 Claims. (Cl. 248—355)



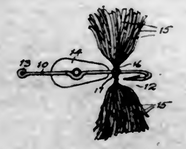
1. An adjustable shore comprising an upstanding lower strut of T-shaped cross section, an upstanding upper strut including a pair of laterally spaced bar type members in straddled and telescopic relation with the lower strut and in addition a bracket connected to the lower ends of the members and having an upstanding part extending between the members and provided in the central portion thereof with a slot, and a releasable one-way clutch device for locking the upper strut against downward displacement with respect to the lower strut while at the same time permitting the upper strut to be raised or upwardly adjusted, embodying an apertured normally canted clutch plate positioned between the lower ends of the bar type members and adjacent the bracket, extending around the lower strut and having at the lower portion thereof a straight inwardly and downwardly inclined wedge shaped part adapted when the plate is in its normal canted position frictionally to grip the outer face of the web of the lower strut and provided with an outwardly extending lug extending into said slot and forming a pivotal connection whereby the upper portion of the plate may be swung downwards in order to move said wedge shaped part out of gripping relation with the outer face of the web of the lower strut and thus release the upper strut for lowering purposes, and spring means arranged to urge the plate into its normal canted position.

2,413,343
MECHANICAL VAPOR FUEL INJECTOR FOR ENGINES
Charles A. Toce and Victor J. Toce, Houston, Tex., assignors to Federal Aircraft Engine Corporation, Harris County, Tex., a corporation of Texas
Application February 22, 1943, Serial No. 476,724
16 Claims. (Cl. 123—70)



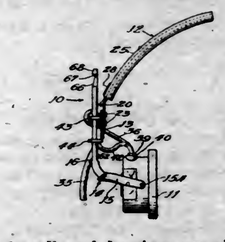
11. A mechanical vapor fuel injector for two-cycle combustion engines which comprises, a vaporizer housing, means for the inlet of fuel and air thereto upon a reduction in pressure therein below a predetermined value, a compressor unit to which said housing is attached, a reciprocating piston in said unit and a check valve to close and cause a suction in the vaporizer housing on the downstroke of said piston and to open and permit exhaust of a compressed mixture of vaporized fuel and air in a ratio approximating one to five upon the compression stroke of said piston, said unit having an internally recessed area therein leading to said housing and a ported liner in said cylinder for entry of the mixture from the vaporizer, said unit having a plurality of said pistons, one for each engine cylinder.

2,413,344
SKIRTED FISH LURE
Walter Willman, St. Petersburg, Fla., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan
Application October 18, 1944, Serial No. 559,170
6 Claims. (Cl. 43—48)



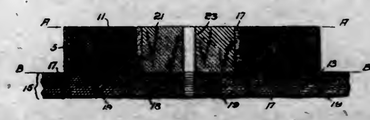
1. In a fish lure the combination of a hook having a shank terminating in a recurved barbed end and a skirt formed of a multiplicity of thin strips of material having a greater number of contiguous portions at the center than at the ends of the group and bundled together near the center of the group and secured at separated points by binding means to provide a compact body having the hook shank entered transversely therethrough and frictionally engaged by the impingement of the compacted material, the free ends of the skirt diverging from one another.

2,413,345
COMMUNICATIONS EQUIPMENT
Wayne H. Gilman, Oak Park, Ill., assignor to Permoflux Corporation, Chicago, Ill., a corporation of Illinois
Application July 3, 1944, Serial No. 543,357
5 Claims. (Cl. 179—156)



1. In a headband having an elongated resilient clamping portion adapted to embrace the head of a user and having at least one end thereof provided with a mounting bracket secured to said clamping portion, an elongated mounting stem having a yoke at its lower end adapted to support an earphone, guiding means on said bracket embracing said stem and supporting the stem on said bracket for longitudinal adjusting movement, said stem being cut away on one side thereof adjacent to its upper end to afford a downwardly facing shoulder, and said guiding means affording an upwardly facing surface with which said shoulder may engage in downward movement of said stem, and spring means on said bracket acting against the other side of said stem to urge said stem laterally to a position wherein said shoulder will engage said upwardly facing surface to thereby prevent withdrawal of said stem from said guiding means.

2,413,346
ROTARY DISK ABRADING TOOL
Elisha W. Hall, Scituate, Mass.
Application January 15, 1944, Serial No. 518,397
1 Claim. (Cl. 51—195)

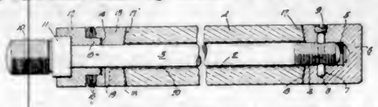


In a rotary disk abrading tool in which the abrading is accomplished by a radial face, the combination of a bias-cut strip of cloth wound about the axis of rotation in the form of a flat spiral having two faces perpendicular to said axis, one of which faces is the working surface, and an inherently flexible backing to which one of said faces is secured, said backing being composed of layers of cloth sewed through and through with threads uniting said layers.

2,413,347
PISTON CONSTRUCTION
Samuel H. Hamilton, Philadelphia, and Llewellyn W. Shelly, Allentown, Pa., assignors to The Aldrich Pump Company, Allentown, Pa., a corporation of Pennsylvania
Application February 8, 1945, Serial No. 576,774
3 Claims. (Cl. 309—4)

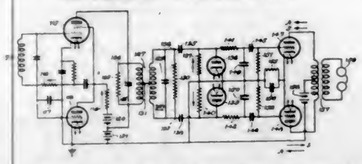
1. A piston comprising an intermediate body member of mullite, a terminal portion of other acid resistant material having a coefficient of

expansion approximating that of said mullite, and resilient take up means between said body



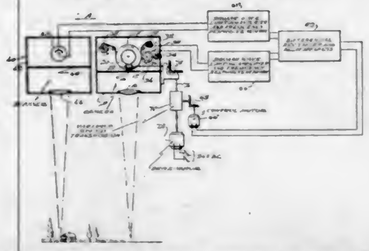
member and terminal portion to compensate for inequalities in expansion and contraction therein.

2,413,348
SIGNALING SYSTEM
John Hays Hammond, Jr., Gloucester, Mass., assignor to Radio Corporation of America
Original application February 10, 1940, Serial No. 318,221. Divided and this application November 12, 1942, Serial No. 465,307
11 Claims. (Cl. 178—44)



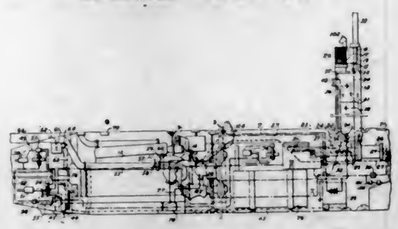
1. In a timing modulated carrier energy transmission system, an electron discharge device comprising at least an electron emission element, an electron collection electrode and an electron control electrode, an energy input circuit connected between said control electrode and emission element, a resistor-condenser network in a series circuit with said input circuit between said control electrode and emission element to develop a unidirectional voltage which increases in a negative polarity sense with energy amplitude increase, an auxiliary electron control element for the electron stream from said emission element to the collection electrode, and means, directly responsive to said voltage, for increasing said auxiliary control element potential in a positive polarity sense thereby to decrease the electron flow to said collection electrode.

2,413,349
CAMERA FOR AERIAL PHOTOGRAPHY
David Hancock, Jr., and Herbert E. Meinema, Chicago, Ill.
Application April 17, 1944, Serial No. 531,318
13 Claims. (Cl. 95—12.5)



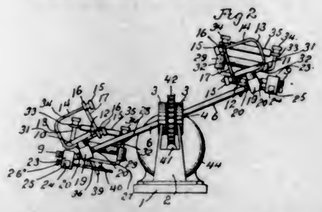
1. In a film speed control means for aerial cameras, the combination of a scanning apparatus producing electrical impulses corresponding to the speed of an image of the terrain in the camera, means for generating electrical impulses corresponding to the speed of the camera film, means respectively limiting the amplitudes of the signals produced by said scanning means and said generating means, means for respectively converting the frequencies of the impulses from said scanning means and generating means into potentials corresponding to the frequencies of the impulses produced thereby, variable speed means for driving the film of the camera, and means for changing the speed of said film driving means in response to the relationship of the said potentials, the change in speed of said film driving means being in a direction to cause the film speed to equal that of the optical image of the terrain at the plane at which the film is exposed.

2,413,350
AIR INTAKE PIPE FOR MOTOR WATERCRAFT
William Helmore, Cambridge, England
Application August 11, 1943, Serial No. 498,244
In Great Britain August 11, 1942
10 Claims. (Cl. 114—21)



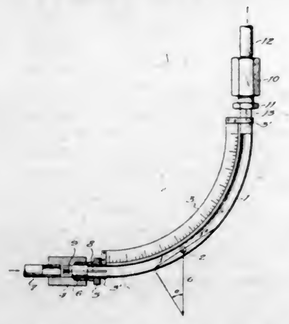
1. In a remotely-controlled submersible water craft having a hull enclosing an internal combustion engine and depth controlling means responsive to remote control signals; the combination of an air intake pipe projecting upwardly from said hull for a substantial distance, whereby said craft may run with the hull submerged and the intake pipe projecting above the surface; a valve in said air intake pipe controlling the admission of atmospheric air into the hull; and means responsive to changes in water pressure due to depth of running brought about by said remote control, for operating said air valve.

2,413,351
LEG EXERCISER
Lloyd D. Herrick, Jackson County, Mo.
Application April 3, 1944, Serial No. 529,255
4 Claims. (Cl. 128—25)



1. In a foot and ankle exerciser, in combination, a hub, means for rotating said hub on a horizontal transverse axis, a crank fastened to and extending transversely from one end of said hub in a line oblique to and intersecting the axis of said hub, and having at its outer end an extension at an angle to said oblique line and to said axis, a crank collar supported by and in which said oblique portion of said crank is rotatable, a heel holding means pivoted on said collar to swing laterally, a bar supporting member supported by and in which said crank extension is rotatable, a bar extending forwardly from and supported by said bar supporting member, and toe holding means forward of said heel holding means and pivoted to said bar to swing forwardly and backwardly.

2,413,352
FLOWMETER
Herbert A. Hulsberg, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 30, 1944, Serial No. 528,688
6 Claims. (Cl. 73—205)

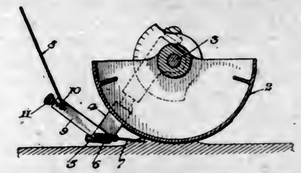


1. A flow measuring device which comprises in combination a transparent conduit of substantially uniform cross section, a spherical member freely movable within the conduit and of substantially smaller diameter than the internal diameter of the conduit whereby to permit the flow of fluid between said member and the wall of the conduit, said conduit being formed in the shape of a curve having a constantly increasing slope with respect to a horizontal plane, means for directing fluid to be measured through said conduit in the direction of increasing slope, and a graduated scale disposed parallel and adjacent to said conduit, said spherical member indicating the rate of flow on said scale.

2,413,353
CUTTING OIL COMPOSITION
Benjamin F. Hunter and Harold P. Hobart, Pittsburgh, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 25, 1943, Serial No. 488,428
4 Claims. (Cl. 252—56)

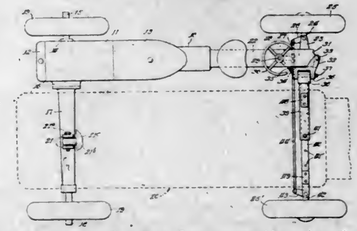
1. An improved cutting oil composition comprising at least about 50.0 per cent by weight of a light mineral oil boiling above about 350° F. and having a viscosity not greater than about 40 SUV at 100° F., from about 1.0 to about 20.0 per cent by weight of a mineral oil having a viscosity between about 100 and about 200 SUV at 210° F., from about 0.5 to about 15.0 per cent by weight of a fixed fatty oil, from about 0.03 to about 5.0 per cent by weight of a petroleum oil anti-oxidant, and up to about 10.0 per cent by weight of the residue which remains after removal of the solvent from the extract obtained by extracting a petroleum distillate oil with a solvent capable of removing polycyclic hydrocarbons and sulfur compounds from petroleum distillate oils, said residue having a viscosity between about 55 and about 70 SUV at 210° F.

2,413,354
DERMATOME
John A. Jenney, Flushing, N. Y.
Application June 16, 1944, Serial No. 540,583
6 Claims. (Cl. 128—305.5)



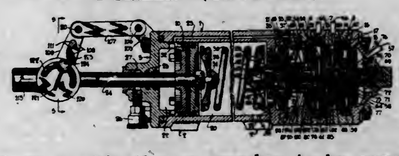
1. A skin grafting instrument having a skin contact member, a knife support for the reception of a reciprocating knife having its cutting edge in position below a part of the skin contact member, a mirror attached to the instrument in elevated position to permit the operation of the cutting edge of the knife below said skin contact member to be observed.

2,413,355
AGRICULTURAL TRACTOR
Arnold E. W. Johnson, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 10, 1943, Serial No. 513,815
18 Claims. (Cl. 180—1)



1. A tractor adapted for mounting implements thereon comprising an extended drive axle structure having wide spaced traction wheels, a narrow body and frame structure including a power plant carried by said axle structure adjacent one end thereof, a wheel support rigidly secured to said frame structure, a steerable wheel mounted for vertical pivoting on said support, said wheel being spaced from the drive axle structure, and a wheel supported implement attaching structure flexibly secured to said frame structure and extending laterally therefrom.

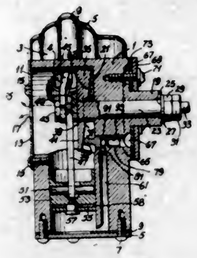
2,413,356
CONTROL DEVICE
Cecil S. Kelley, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application May 20, 1944, Serial No. 536,487. Divided and this application April 7, 1945, Serial No. 587,135
4 Claims. (Cl. 74—110)



1. In combination, a member to be operated having a fixed range of movement, actuating

means for moving said member having a different range of movement, and means connecting said actuating means and member comprising a lever having a fulcrum, pivot means carried by said lever at a point removed from said fulcrum and operatively connecting said member and actuating means, said pivot means comprising an eccentric adjustable to render said actuating means movable through its full range of movement to move said member through its fixed range, and means arranged to secure said pivot means to said lever in an adjusted condition.

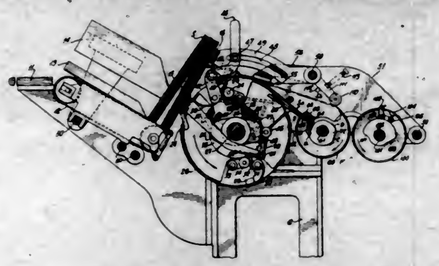
2,413,357
RECIPROCATING MECHANISM
Victor G. Klein, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application February 17, 1945, Serial No. 578,515
7 Claims. (Cl. 103—174)



1. In a reciprocating mechanism a crankcase having a fluid transmitting opening therein, a rotary crank in said crankcase, a cylinder extending from said crankcase, a reciprocating piston therein, a connecting rod between the piston and said crank, means providing a fluid passage to the cylinder, part of said passage being substantially parallel to the axis of rotation of said crank and being in communication with a manifold, said manifold being adapted for connection to a pressure line, a reciprocating valve in said parallel part of the passage, an extension from said valve, axial cam means rotary with the crank and cooperating with said valve extension to move said valve in at least one direction, said valve being formed alternately to connect said passage with the manifold and with the inside of the crankcase as the piston reciprocates and said crank rotates.

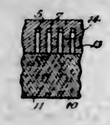
2,413,358
SIGNATURE GATHERING MACHINE
Paul E. Kleineberg, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York
Application April 11, 1944, Serial No. 530,451
29 Claims. (Cl. 270—54)

1. In a signature gathering machine of the kind wherein signatures are extracted in succession from each of a series of stacks for transfer and discharge upon an advancing gathering conveyor or saddle; in combination, afront each stack, a rotary signature-carrying drum having a gripper operable to hold each extracted signature by one edge to carry it around frontwardly and there while disposed around the upper half of the drum circumference to release it to pause with one edge positioned at a predetermined front transfer point adjacent the level of the drum axis, a stop means located to stop the released signature in such predetermined position, a rotary transfer cylinder arranged afront the drum adjacent to such transfer point and having means operable to grip each pausing signature by its positioned edge and pull it away



from the drum successively upwardly and thence over and around frontwardly and downwardly and there release it for discharge upon the conveyor; and drive means for continuously rotating said drum and said cylinder in coordination.

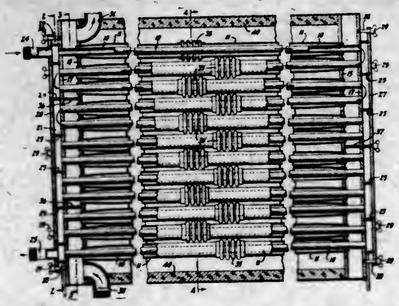
2,413,359
COMBUSTION CHAMBER FOR INTERNAL-COMBUSTION ENGINES
Hans Lieberherr, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application May 5, 1945, Serial No. 592,231
In Switzerland May 8, 1944
9 Claims. (Cl. 123—173)



6. The improvement in internal combustion engines which comprises a cylinder head and cylinder assembly, said head comprising an inner surface having an arched configuration, the major portion of said surface consisting of a single surface of revolution sloping downward from the center to the outside where said inner surface coincides with said cylinder assembly, a relatively large number of holes of relatively small diameter in the sloping part of said head close to said inner surface and arranged to conform thereto forming passages for the flow of a cooling fluid and a collecting space for said head to which the inner ends of said passages are connected, and said cylinder assembly comprising a cylinder liner to which the head is connected, an annular recess in the liner near its connection with the head, and a heat-protective ring mounted in the recess to retard heat absorption adjacent said connection.

2,413,360
HEAT EXCHANGER
Walter R. Maguire, Manhasset, and Edwin J. Lockwood, Peekskill, N. Y., assignors to Walter Maguire Company, Inc., New York, N. Y., a corporation of New York
Application October 2, 1940, Serial No. 359,326
3 Claims. (Cl. 257—247)

3. In a heat exchanger, the combination of a pair of header compartments having a common partition wall, a plurality of tubes communicating with one of said compartments, said tubes being circular in cross section throughout a major portion of their length, and a plurality of tubes of elliptical cross section each of which communi-



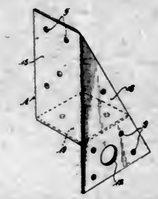
cates with the other of said compartments and is positioned within a different one of said first mentioned tubes.

2,413,361
MANUFACTURE OF THIO-ACIDS AND DERIVATIVES
Harry M. Martin, New York, N. Y., assignor to Martin Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 2, 1945, Serial No. 580,721
5 Claims. (Cl. 260—526)

1. In the process of producing alpha-mercaptocarboxylic acids selected from the class consisting of alkyl and phenalkyl carboxylic acids the improvements comprising diluting an alpha-chlorcarboxylic acid selected from the class consisting of alkyl and phenalkyl carboxylic acids with water in a reaction vessel, preheating said diluted acid to a temperature between about 45 and 80° C., adding to said diluted acid during continuous agitation fused sodium thiosulfate preheated to a temperature between about 70 and 110° C., maintaining the foregoing reaction mixture at a temperature of about 85 to 95° C. until the reaction is substantially completed, then adding sulfuric acid to the reaction mixture in said vessel while maintaining said temperature of 85 to 95° C., thereby hydrolyzing the product formed from said acid and said sodium thiosulfate to a mixture of the mono- and di-forms of alpha-mercaptocarboxylic acids selected from the class consisting of alkyl and phenalkyl carboxylic acids, and adding a metallic reducing agent to said reaction vessel to convert said di-acid to said mono-acid, and thereafter extracting said mono-acid from the contents of said reaction vessel.

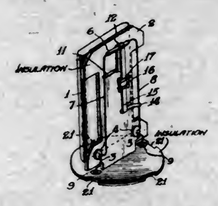
2,413,362
METALLIC CLIP FOR CONNECTING AND REINFORCING JOINTS IN WOOD STRUCTURES
Homer B. Maxwell, East Point, and William E. Edwards, Jr., Avondale Estates, Ga., assignors to Maxwell & Hitchcock, Atlanta, Ga., a firm composed of Homer B. Maxwell and Irving C. Hitchcock
Application January 27, 1944, Serial No. 519,916
1 Claim. (Cl. 20—92)

A metallic clip for connecting and reenforcing joints in wood structures comprising a unitary sheet metal body member consisting of a rectangular base portion, a rectangular wing portion and a web portion in the form of a right triangle with the longer of the sides adjacent the right angle being equal in length to the combined lengths of the base and wing portions, said portions lying in planes which are mutually perpendicular to each other, the above mentioned longer side of said web portion being joined to said base portion along a side edge of said base portion and projecting beyond one end edge only of said base portion, said wing portion being joined to said



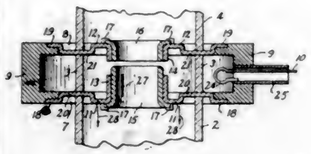
base portion along said one end edge of said base portion, and said wing portion intersecting but being free from attachment to said web portion along a line extending across said web portion intermediate the ends of its above mentioned longer side, there being a plurality of apertures in each of said base wing and web portions to receive attachment fasteners engageable with adjacent wood structures.

2,413,363
THERMAL RELAY FOR FLUORESCENT LAMPS
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products, Inc., Salem, Mass., a corporation of Massachusetts
Continuation of application Serial No. 356,566, September 12, 1940. This application January 2, 1943, Serial No. 471,200
2 Claims. (Cl. 200—122)



1. A thermal relay unit for electric discharge lamps comprising a horizontal rigid base plate of insulating material, a rigid thermal switch supporting plate of insulating material perpendicular to said base plate, a U-shaped conductor member of relatively stiff wire disposed in substantially parallel spaced relation to said plate and having a high resistance portion in the portion between its side sections, rigid anchoring means for securing the free ends of said conductor member to said thermal switch supporting plate, a bimetallic member in close proximity to said resistance portion, a supporting arm fixed to one of the side sections of said conductor acting to support said bimetallic member, a contact member adjacent the free end of said bimetallic member, a supporting arm fixed to the other side section of the conductor member acting to support said contact member, a pair of contact pins fixed in said base plate and semi-flexible lead wires connected to the points of attachment of the conductor member with said vertical plate acting flexibly to support said vertical plate and the thermal switch thereon from said base plate.

2,413,364
ULTRA HIGH FREQUENCY OSCILLATOR
Henry J. McCarthy, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application June 12, 1943, Serial No. 490,703
2 Claims. (Cl. 250—27.5)



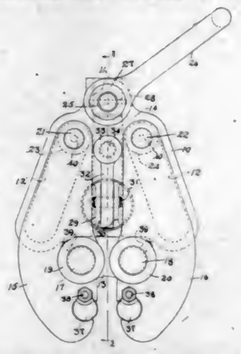
1. An electrical short wave generator tube comprising an hermetically sealed glass envelope; a pair of electrodes in said envelope for supporting an electron flow therebetween; a pair of annular metal plates between said electrodes, spaced therefrom and extending through the wall of said envelope and having spaced, aligned, lipped openings through which said electron flow may pass within said envelope, each of said plates having a concentric annular depression therein within the envelope and between said envelope and the inner edge of said annular plate to counteract the movement of said lipped openings under heat variation; a grid in each of said openings; and an electrical connection between said plates and outside said envelope.

2,413,365
CLEANING COMPOSITION FOR ALUMINUM AND ALUMINUM ALLOYS
Lowell R. McCoy, Detroit, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application April 13, 1944, Serial No. 530,939
8 Claims. (Cl. 252—142)

1. A metal cleaning composition, particularly adaptable for removing oxide films from aluminum and its alloys, comprising ammonium silicofluoride and sodium acid sulfate both present in substantially stoichiometric proportions for reaction with each other, and ammonium sulfate present in sufficient amount to inhibit the formation of a precipitate in water solutions of said composition.

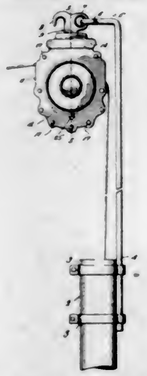
2,413,366
GRIP LIFTER
George E. Moore, Muskegon Heights, and Carl E. Miller, North Muskegon, Mich., assignors to Manning, Maxwell & Moore, Inc., Bridgeport, Conn., a corporation of New Jersey
Application December 28, 1944, Serial No. 570,047
5 Claims. (Cl. 294—116)

1. In a grip lifting device, the combination comprising a body member having a pair of divergent camming faces and a longitudinal passage therein, a fulcrum rod slidably mounted in said passage, a pair of levers pivotally mounted, intermediate their ends, on said fulcrum rod, cam followers mounted on the levers at one end of each and engaging said camming faces, removable gripping jaws mounted on the levers at the other end of each in opposed relation, a latching lever pivotally mounted on said body member and cooperating with said fulcrum rod to lock it in any position it assumes in said passage, a spring for biasing said locking lever in locking



position, and means for preventing movement of the latching lever in unlatching direction.

2,413,367
MEASURING LINE STRIPPING BLOCK
William P. Morris, Lovington, N. Mex.
Application June 15, 1945, Serial No. 599,735
5 Claims. (Cl. 91—13)



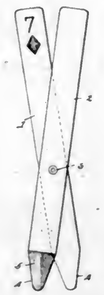
1. A device for cleaning and oiling a measuring line, housing, a threading member slotted on its lower side in the housing, a pair of gaskets in the housing and surrounding the threading member and having cleaning surfaces extending in the path of the line when emerging from the member through the slot, an oiling sheave rotatably mounted in the housing and receiving the line after passage between the cleaning surfaces, and an oil bath for immersing the sheave.

2,413,368
PARACHUTE PACK OPENING DEVICE
Edward A. Neff, Chicago, Ill.
Application September 14, 1944, Serial No. 554,010
5 Claims. (Cl. 244—149)



1. In combination a container adapted to hold a parachute, said container having flaps for closing said container, a plurality of tension members provided with means attaching the tension members to said container and flaps for opening said container, said tension members including a plurality of springs enclosed in a protective covering, said attaching means being provided with a loop, tape means attached to each end of each spring, the tape and the covering being threaded through said loop on said attaching means and fastened to the covering thereby attaching said springs to said attaching means.

2,413,369
GAME
Peter T. O'Brien, Salem, Mass.
Application May 1, 1945, Serial No. 591,344
2 Claims. (Cl. 273—1)



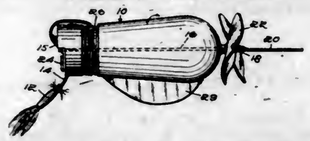
1. A game including a container having an open top and a plurality of separate game pieces loosely mounted in the container, each of said game pieces including flat splints of the same size and shape pivotally connected adjacent to their centers, one of said splints having a blank inner side and means on its outer side to differentiate the splint from the other splint, there being data on the inner side of said other splint adapted to be completely concealed when the two splints are positioned one directly over the other, all of the splints being of a length slightly greater than the length of the container and said container being proportioned to be shaken to shuffle the splints while in position therein.

2,413,370
WELDING STUD
Walter E. Palmer, Fair Lawn, N. J., assignor to Hollup Corporation, Chicago, Ill., a corporation of Illinois
Application May 24, 1944, Serial No. 537,033
4 Claims. (Cl. 287—20.2)



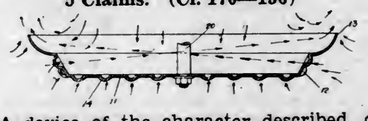
4. A stud adapted to be welded to a metal plate and having a threaded body portion, a portion of reduced diameter beyond the threaded portion and terminating in a point, and an annular body of fluxing material of substantial thickness encircling said portion of reduced diameter and above said terminal part, whereby said fluxing material may flow over molten metal formed by the melting of said reduced portion and a portion of said plate.

2,413,371
FISH LURE CASTING PLUG
Ernest Wellesley Parker, West Roxbury, Mass.
Application May 10, 1945, Serial No. 593,066
6 Claims. (Cl. 43—51)



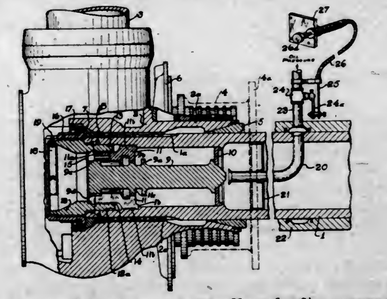
5. A lure casting plug comprising an oblong body member provided with a line anchor at its forward end, said body member being adapted to have a leader wound thereonto, a clip at the other end of the member for engaging the leader to prevent unwinding from the member, a shaft attached to the clip and extending longitudinally through the member, and means operated by water resistance for rotating the shaft and releasing the clip from the leader when the member is retrieved by a line attached to the anchor.

2,413,372
PROPELLER
Bernard J. Paulson, Waukesha, Wis.
Application May 24, 1944, Serial No. 537,146
5 Claims. (Cl. 170—156)



1. A device of the character described, comprising in combination an integral disc of annular contour provided with a flat face and a rearwardly extending flange on the periphery thereof, and a radially disposed thrust ring extending rearward from the depending edge of said flange, a plurality of louvres cut into and extending outward from said face, said louvres spaced in radial alignment and in staggered relation to one another, a plurality of similar louvres on the peripheral flange also placed in staggered relation to one another, the open end of said louvres facing the direction of revolution of said device.

2,413,373
JETTISONING MECHANISM FOR AIRCRAFT PROPELLERS
William J. Peterson, West Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application March 22, 1943, Serial No. 480,106
9 Claims. (Cl. 170—173)



1. In combination, a propeller shaft, a propeller hub splined thereon, retaining means for holding

said propeller hub on said shaft, means disposed in collapsible relation and effective between said retaining means and said shaft, and means for retaining said second named means in non-collapsed relation whereby said retaining means holds said propeller hub on said shaft.

2,413,374
PROCESS FOR PRODUCING ELEMENTAL SELENIUM

Albert J. Phillips, Plainfield, and Yurii E. Lebedeff and James R. Crandall, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application March 15, 1944, Serial No. 526,630
8 Claims. (Cl. 23—209)



6. A process for recovering selenium as elemental selenium from selenium bearing baghouse dust comprising preparing a charge by intermixing approximately 5% by weight of sulphuric acid with a portion of said selenium bearing material, the quantity of acid introduced being based on the amount of selenium present in the portion making up the charge, heating said mixture of selenium bearing material and sulphuric acid to approximately 1350° F. with substantial exclusion of air and for a time sufficient to cause the selenium compounds to react with the acid and the selenium to be released as SeO_2 and Se vapors, conducting said SeO_2 and Se vapors along with excess sulphuric acid vapor and water vapor through heated carbonaceous material whereby all the SeO_2 vapor is reduced to Se vapor, selectively condensing the Se vapor from the mixture of sulphuric acid vapor and water vapor to recover said selenium as elemental selenium, and condensing the mixture of sulphuric acid and water vapors which has been substantially depleted of selenium whereby said excess sulphuric acid and water vapors are collected as a condensate for recycling.

2,413,375
METHOD OF AND APPARATUS FOR TREATING LIQUIDS

Richard D. Pomeroy, Altadena, Calif., assignor of one-half to H. Darwin Kirschman, Tujunga, Calif.

Application May 22, 1943, Serial No. 488,094
9 Claims. (Cl. 259—8)

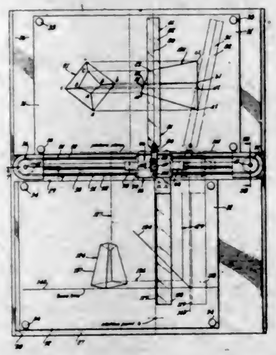


1. In an apparatus for agglomerating or coalescing a material distributed in a liquid, the combination of: a plurality of primary wall members; a secondary wall member projecting between said primary wall members; liquid supply means; liquid withdrawing means, said means being so related to said primary wall members that liquid flows between said primary wall members around said secondary wall member; and drive means adapted for producing relative movement of said wall members, whereby the liquid therebetween is subjected to shearing stress, said primary wall members being so spatially related to said secondary wall member that the value of such stress is varied along the path of travel of the liquid therebetween the spacing between said primary and secondary wall members being increased in the direction of travel of the liquid whereby shearing stresses are correspondingly reduced.

2,413,376
DRAFTING MACHINE

Roy J. Pomeroy, Los Angeles, Calif., assignor, by mesne assignments, of one-sixth to Mildred Hirshstein, one-sixth to Ruth R. Newman, and one-sixth to M. J. Hirshstein, trustee for the benefit of Pearl Hirshstein, all of Cleveland, Ohio

Application May 9, 1944, Serial No. 534,712
25 Claims. (Cl. 33—77)



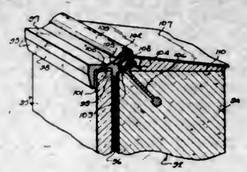
1. Apparatus for making perspective drawings comprising a base defining a drawing area, a linearly extensive point-finding element overlying an upper portion of said drawing area, differentially operable means connected to longitudinally spaced points of said linearly extensive element adapted to move said points transversely across a medial portion of said drawing area in parallel paths in the same direction at a predetermined speed ratio whereby said point-finding element is swept angularly over said upper portion of said drawing area, and a linearly extensive perspective view point-determining element carried with one of said spaced points and lying in a line extending over the lower portion of the drawing area in a direction perpendicular to said parallel paths.

2,413,377
BUILDING BLOCK

Erle T. Putnam, Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application September 4, 1941, Serial No. 409,544, which is a division of application Serial No. 337,276, May 25, 1940, now Patent No. 2,319,345, dated May 18, 1943. Divided and this application November 24, 1944, Serial No. 564,932
6 Claims. (Cl. 72—86)

6. In a building block for mounting in a wall, a body portion, a facing on said body portion, a coping edge covering the upper edge of said facing and having a portion extending downwardly over the front face thereof, said downwardly extending portion being spaced from the front face of the facing, and a sheet of flashing

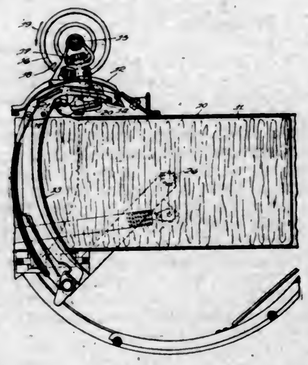


material covering the upper surface of the body portion and connected to said coping edge.

2,413,378
TYING APPARATUS

Russell R. Raney, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 24, 1944, Serial No. 532,441
1 Claim. (Cl. 100—20)



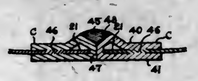
In a baler comprising a bale tying mechanism, said tying mechanism including means for the encircling of a bale with a tying strand, a strand holder, a breast plate fixedly attached to the baler, a knotter for forming a knot with strand ends, movement of the bale subsequent to the formation of the knot acting to strip a knot from the knotter, said encircling means being operable to lay a strand for a succeeding bale to be formed over the knotter and onto the strand holder prior to the knot stripping operation following tying of the previously made bale, means for holding the strand for the succeeding bale out of interfering engagement with the knot being formed and during stripping thereof, and said last-named means comprising in combination a hump on said strand holder and a guide finger on said fixed breast plate.

2,413,379
CAR ROOF JOINT

John M. Rudel, Montreal, Quebec, Canada, assignor to Standard Railway Equipment Manufacturing Co. (Canada) Limited, Montreal, Quebec, Canada, a corporation of the Dominion of Canada

Application January 13, 1945, Serial No. 572,681
In Canada October 14, 1944
27 Claims. (Cl. 108—5.4)

12. In a structure of the type in which marginal portions of adjacent metal sheets are connected by a joint, the joint including shrouding means overlying said marginal portions and shrouding means underlying said marginal portions, said shrouding means masking the edges of the sheets, and a seam weld between each sheet

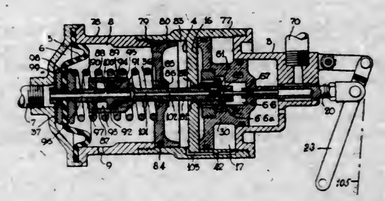


and the overlying and underlying shrouding means remote from said edges and remote from the outer sides of said shrouding means.

2,413,380
FLUID PRESSURE MOTOR

John W. Rush and Arthur J. Bent, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 31, 1944, Serial No. 552,110
7 Claims. (Cl. 121—41)



4. A fluid motor comprising a casing having a power chamber and a control chamber, power piston means in said casing subject to and adjustable in accordance with pressure of fluid in said power chamber, pilot piston means in said casing arranged in coaxial relation with said power piston means and subject to and adjustable in accordance with pressure of fluid in said control chamber, valve means in said casing operable to supply fluid under pressure to said power chamber, a member arranged in coaxial relation with said power piston means and cooperable therewith upon axial movement to effect operation of said valve means, means separate from said pilot piston means carrying said member and valve means, and means connecting said member to said pilot piston means and operable upon axial movement of said pilot piston means to effect movement of said member, said means providing for movement of said pilot piston means relative to said member in a direction to rock the axis of said pilot piston means.

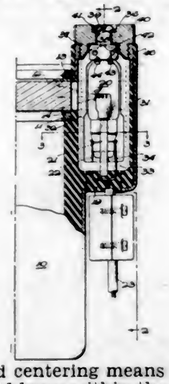
2,413,381
ILLUMINATING MEANS FOR INDICATING INSTRUMENTS

Gregory V. Rylsky, New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application October 22, 1943, Serial No. 507,322
8 Claims. (Cl. 240—2.1)

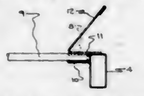
1. In combination, an electric lamp socket having guide means extending longitudinally thereof and power jacks connected to a source of supply, an electric lamp, a lamp holder comprising a frame having elongated side bars and an interconnecting bottom bar for said side bars, centrally disposed centering means extending from

said bottom bar and resilient means depending from the top of said lamp holder adapted to co-



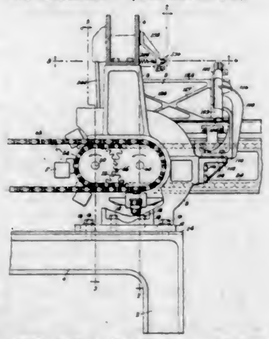
operate with said centering means to thereby securely mount said lamp within the holder.

2,413,382
SHEET METAL SIEVE CONSTRUCTION FOR HARVESTERS
Donald E. Sargent and Ray W. Rolison, Jackson, Mich., assignors, by mesne assignments, to Hart-Carter Company, Peoria, Ill., a corporation of Delaware
Application November 25, 1940, Serial No. 366,956
14 Claims. (Cl. 209—394)



10. In a sieve of the character described, a frame having opposite side members, each of said frame side members having a body portion formed of an upright section of thin sheet metal with flange portions on the upper and lower edges of said sections which flange portions extend inwardly of the frame, and sieve slats having shafts supported by the upper flange portions of said frame side members and having journalled connection therewith.

2,413,383
APPARATUS FOR POSITIONING FISH
Charles M. Savrda, Bay Shore, N. Y., assignor to The Atlantic Coast Fisheries Company, New York, N. Y., a corporation of Maine
Application June 17, 1944, Serial No. 540,776
20 Claims. (Cl. 198—34)

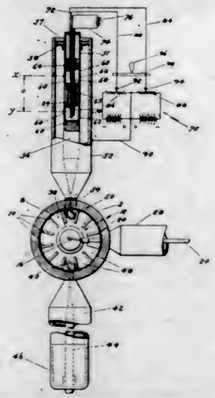


1. In an apparatus having a conveyer to feed a fish, tail leading and back downward, a conveyer having a pair of spaced gripping elements to clamp the tail of said fish and means to actuate said gripping elements into fish-gripping position adjacent the discharge end of said feed conveyer, a gate positioned in the path of said feed conveyer to receive a fish fed thereto and hold it in position to be gripped by said gripping elements, said gate comprising a pair of oppositely disposed gate members forming a passage converging toward the front thereof, means to lock said gate members in fish-receiving position, means to render the locking means ineffective at predetermined times to permit the fish to be fed from said gate, and means at the forward end of each gate member to adjust the forward end of each gate member relative to the other.

2,413,384
PRODUCTION OF BRANCHED CHAIN PARAFFINIC HYDROCARBONS
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 27, 1944, Serial No. 519,910
11 Claims. (Cl. 260—676)

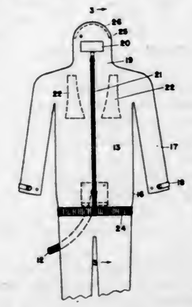
1. A process for preparing branched paraffinic hydrocarbons containing at least 6 carbon atoms per molecule which comprises reducing an alkyl halide containing at least 6 carbon atoms per molecule by reacting said alkyl halide with an isoparaffinic hydrocarbon containing not more than 5 carbon atoms per molecule in the presence of a catalytic amount of a metal halide of the Friedel-Crafts type, said catalytic amount being less than the stoichiometric amount required to form a double compound with said alkyl halide but sufficient to effect replacement of the halogen content of said alkyl halide with hydrogen, and recovering paraffinic reaction products comprising a branched chain paraffin hydrocarbon containing the same number of carbon atoms per molecule as said alkyl halide.

2,413,385
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
Robert C. Schmidt, Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 23, 1945, Serial No. 584,364
10 Claims. (Cl. 315—39)



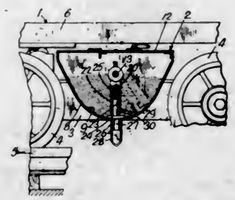
10. An electron-discharge device comprising a cathode, an anode structure spaced from said cathode and incorporating a cavity resonator, a transmission line, including a pair of conductors, coupled to said cavity resonator, one of said conductors being provided with an electron-emissive portion, and means, connected intermediate said electron-emissive portion and the other of said conductors, for impressing a voltage therebetween, whereby a flow of electrons may be instituted between said electron-emissive portion and said last-named conductor to short circuit said transmission line.

2,413,386
SUIT FOR CIRCULATING CONDITIONED AIR ABOUT A PERSON
Edward L. Schulz, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application August 11, 1944, Serial No. 549,017
3 Claims. (Cl. 2—2)



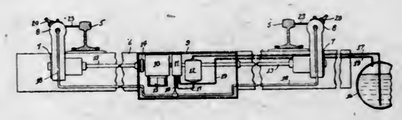
2. A garment for use by an operator working in a space wherein the ambient is at an abnormal temperature which comprises a jacket, support members in said jacket serving to support the jacket above and away from the shoulders of the operator, port means in said jacket for receiving tempered air for diffusion about the person of the operator, a hood associated with said jacket, and fasteners in the hood adapted to engage a helmet worn by the operator whereby the hood and the helmet will move substantially as a combined unit upon movement of the head of the operator.

2,413,387
TRACK SANDER
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application April 19, 1944, Serial No. 531,777
6 Claims. (Cl. 291—28)



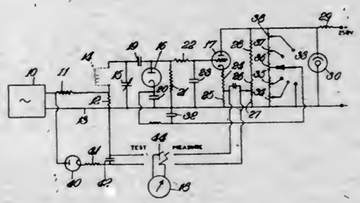
1. In a track sander for wheeled vehicles, the combination comprising a sand container having a bottom discharge opening, and an oscillatory feeder in said container for controlling the flow of sand from said container through said discharge opening, said feeder comprising an oscillatory arm, and a sliding shoe operatively connected to said arm and contacting the bottom container wall, said shoe upon oscillatory motion of said arm moving back and forth over said discharge opening, and yielding means on said arm and acting on said shoe for yieldingly urging said shoe into tight frictional contact with the bottom wall of said container.

2,413,388
RAILWAY TRACK HEATER
Alfred A. Smith, Dunsmuir, Calif.
Application January 7, 1946, Serial No. 639,628
5 Claims. (Cl. 246—428)



1. A heater for railway track rails comprising a casing positioned between the rails of the track, an electric motor in said casing, a fuel pump within said casing driven by said motor, means for supplying fuel to said pump, a rotatable shaft extending through said casing laterally of the track, said shaft being rotated by said motor, an air blower positioned beside each rail of the track, said blowers being connected with the ends of said shaft and driven thereby, a tubular combustion chamber connected with the discharge of each blower and positioned parallel with the adjacent rail, each blower and its connected combustion chamber forming a burner unit, and a pipe for conducting fuel from said pump to each burner unit.

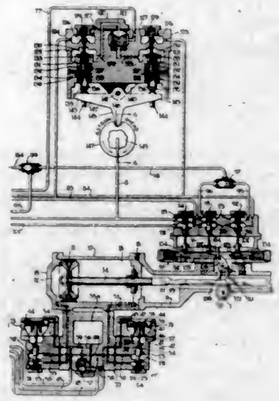
2,413,389
ADDITIVE MULTIRANGE ELECTRONIC MEASURING INSTRUMENT
Stanley James Smith, London, England, assignor to Simmonds Aerocessories Limited, London, England
Application July 21, 1943, Serial No. 495,656
In Great Britain July 21, 1942
1 Claim. (Cl. 171—95)



A multi-range electronic volt meter having additive scale ranges comprising a rectifier tube having an input circuit to which the voltage to be measured is applied and output circuit, an amplifying tube connecting with the said output circuit, an indicating instrument connected with the output of said amplifier tube, a power supply constituting a source of anode current for said amplifying tube, resistors in series across said power supply for producing a series of predetermined bias potentials, each corresponding to a different indicating range for said instrument, a range changing switch for connecting a se-

lected bias potential with the input circuit of the said rectifier tube, the difference in magnitude of adjacent bias potentials in the series being such that an applied voltage that produces the maximum indication in any one range produces a zero reading in the next higher range.

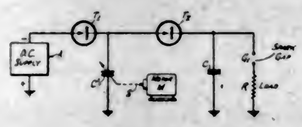
2,413,390
CONTROL APPARATUS
Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 31, 1944, Serial No. 538,183
12 Claims. (Cl. 60—16)



1. An apparatus for controlling the reversing of an internal combustion engine having reversing means operable to condition said engine for operation in either one direction or in the opposite direction comprising in combination, power means operable by fluid under pressure to effect operation of said reversing means to condition said engine for operation in a selected direction, valve means operable by fluid under pressure supplied to a chamber to supply fluid under pressure to said power means to effect operation thereof and operable upon release of fluid under pressure from said chamber to release fluid under pressure from said power means, manually operative means operable to supply fluid under pressure to said chamber, other valve means operable to release fluid under pressure from said chamber, and means operable upon conditioning of said reversing means to provide for operation of said engine in said reverse direction to effect operation of said other valve means.

9. An apparatus for controlling the adjustment of an adjustable member comprising in combination with said member, movable abutment means operable by fluid under pressure to effect adjustment of said member, valve means operable by fluid under pressure supplied to a chamber to supply fluid under pressure to actuate said abutment means and operable upon a reduction in pressure of fluid in said chamber to a certain degree to release fluid under pressure from said abutment means, manually operable means operative to supply fluid under pressure to said chamber, and means controlled by said abutment means operable upon said adjustment of said member to close communication between said manually operable means and chamber and to release fluid under pressure from said chamber.

2,413,391
POWER SUPPLY SYSTEM
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 20, 1942, Serial No. 447,783
2 Claims. (Cl. 171—97)



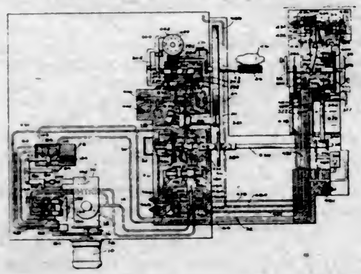
1. In a pulse generator system, a circuit for transforming direct current of low voltage to direct current of higher voltage comprising a low voltage source of direct current, a variable capacitor in series with a rectifier connected across said source, and a series circuit of spark gap, rectifier and an energy storage unit connected across said variable capacitor, means for continually varying the value of said variable capacitor, said rectifiers being so poled that current can flow from said source through said first rectifier to said variable capacitor and current can flow from said variable capacitor through said second rectifier to said storage unit, said spark gap having such spacing as to pass only voltages of values higher than the value of said source, said storage element comprising a network having a multiplicity of sections of series inductance and shunt capacitance, and a load in series with another spark gap connected to the output of said network, whereby the charging of said network to a critical value appreciably higher than the value of said source causes a surge of current to flow through said load of a time duration determined in part at least by the constants of said network, and the spacing of said first spark gap prevents undesired prolongation of the discharge of said network.

2,413,392
CLASP
Rudolph Veverka, Bayport, N. Y.
Application February 7, 1945, Serial No. 576,596
5 Claims. (Cl. 294—83)



1. A clasp, comprising a body, a hook member pivotally mounted in said body, a block having a locking ear mounted in said body, said locking ear being adapted to engage said hook member, a floating lock mounted in said block, arms on said lock and release levers on each side of said clasp engaging said arms.

2,413,393
POWER TRANSMISSION
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application May 2, 1938, Serial No. 205,461
29 Claims. (Cl. 60—53)



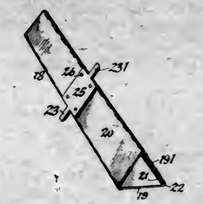
13. In a fluid power transmission system the combination of a prime mover, a pump driven by the prime mover, a fluid motor operable by fluid delivered by the pump and adapted to drive a load device imposing varying forces on the transmission system, a pair of conduits forming a closed circuit connecting the pump and motor, means for driving the load device independently of the pump, a bypass conduit containing a check valve, and means responsive to torque transmitted to the load device by said independent load-driving means for connecting the motor to said bypass conduit.

19. In a fluid power transmission system the combination of a prime mover, a pump driven by the prime mover, a fluid motor operable by fluid delivered by the pump and adapted to drive a load device, a casing block containing said motor, a control valve in said block having a stem exposed exteriorly of said block, a fluid reservoir surrounding said casing block, and means for maintaining a supply of oil for sealing the exteriorly exposed parts against leakage of fluid or entrance of air to the system in the event of emptying of said reservoir.

27. In a fluid pressure control system the combination of a primary controlling member, a controlled member, variable speed, power operated means for driving the controlled member, fluid pressure operated follow-up means for controlling operation of the power operated means, and a pilot follow-up control means for compensation for errors in the first mentioned follow-up means.

2,413,394
TOOL FOR REMOVING WAX FROM BEEHIVE FRAMES
Robert H. Volgenau, Buffalo, and John M. Hooe, Ogdensburg, N. Y.
Application July 2, 1945, Serial No. 602,888
4 Claims. (Cl. 30—169)

1. A tool for removing wax from a groove in a honey frame comprising a handle bar adapted to engage said frame across the groove thereof and to be alternately moved in opposite directions thereon and turned about its axis so that the bar is arranged at one angle to the frame while moving in one direction and at a reverse angle when moving in the opposite direction, and scraper blades mounted on said bar and projecting transversely in opposite directions therefrom and one of said blades being adapted to enter said groove and remove the wax therefrom upon moving the bar in one direction and the other blade being adapted to engage said groove and remove the



wax therefrom upon turning said bar about its axis and moving the same in the opposite direction.

2,413,395
BABY HARNESS
Lucia W. Ware, Omaha, Nebr.
Application June 21, 1945, Serial No. 600,733
3 Claims. (Cl. 227—49)

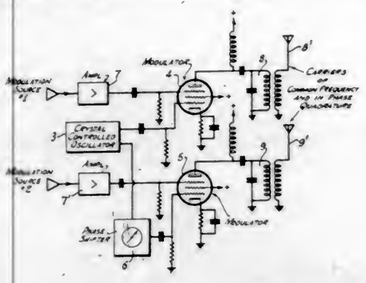


1. A device for the purpose described comprising a chest strap, means for securing the ends of said strap together about the torso of an infant, shoulder straps for said chest strap and means for preventing said shoulder straps from sliding off the shoulders of said infant, an elongated cord having an end attached to said chest strap and a reticular member having a mouth, the other end of said cord having a looped portion attached about said mouth and to said member for closing said mouth at times when said loop is drawn taut for providing a container.

2,413,396
MULTIPLEX TRANSMISSION SYSTEM
Roy A. Weagant, Douglaston, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 13, 1942, Serial No. 446,857
3 Claims. (Cl. 250—9)

1. In a secrecy radio communication system, the method which includes modulating high frequency carrier energy with one type of modulation representative of desired intelligence, modulating high frequency energy of the same carrier frequency, but in phase quadrature with the first named carrier energy representative of a masking signal, with a different type of modulation, transmitting the modulated energies as separate modulated carrier waves, collecting the trans-

mitted energies, producing from the latter substantially unmodulated energy of said carrier frequency, increasing the amplitude of the local energy to a relatively high level with respect to the amplitude level of said transmitted energies combining the transmitted energies and said high



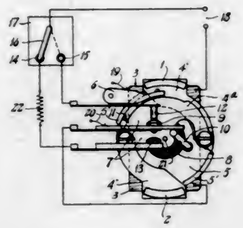
amplitude level energy in such phase relation that the local energy is in phase with the intelligence-modulated carrier component of said transmitted energies, but is in phase quadrature with the second carrier component, and demodulating the combined energies thereby to produce solely the modulation on the in-phase carrier component.

2,413,397

OSCILLATORY ARMATURE RELAY

Ernst Weber, Zug, Switzerland, assignor to Landis & Gyr, A-G., Zug, Switzerland, a corporation of Switzerland

Application May 29, 1941, Serial No. 395,832
In Switzerland June 11, 1940
7 Claims. (Cl. 200—103)



3. A change-over relay comprising in combination an oscillatory armature having spaced poles and mounted for oscillation centrally on a horizontal transverse axis between coacting poles in a magnetic field energized by intermittent current impulses from a position of rest to an oscillated position into and through the place of maximum flux intensity, a pair of switches to energize said magnetic field when closed actuated by the armature on its opposite movements to close one of said switches when the armature is in the position of rest and the other of said switches when the armature is in the oscillated position, said switches being opened by slight movements of said armature away from said positions, and an auxiliary detent armature controlled by the magnetic field for movements into and out of detaining position and adapted to be moved successively out of detaining position and their back into detaining position to engage and hold the armature in oscillated position after alternate energizations of the magnetic field.

2,413,398

NECKTIE CONSTRUCTION

Lucilla de Vescovi Whitman, New York, N. Y.

Application February 29, 1944, Serial No. 524,351
1 Claim. (Cl. 2—146)



A four-in-hand necktie of the character described comprising dissimilarly surfaced pieces of necktie material secured together along their edges to form a tube-like necktie of conventional length and width, said tube-like necktie being left open at each end whereby the tie may be flattened along any two opposing longitudinally running fold lines, and each open end being formed by a finished edge which runs endlessly therearound approximately perpendicular to the lengthwise direction of the necktie whereby the ends of the necktie present a neat appearance irrespective of the location of the longitudinally running fold lines.

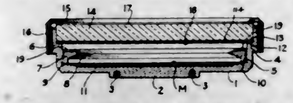
2,413,399

ARTIFICIAL HORIZON

Donald L. Wood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 24, 1943, Serial No. 499,791
3 Claims. (Cl. 88—1)

1. An enclosed artificial horizon comprising a cup made of platinum having an upwardly and outwardly extending flange, a holder for the cup shaped to fit the cup and including an upwardly extending flange having threads thereon, an annular member including threads engaging the threaded flange and including a rim engaging the outwardly extending flange of the cup to hold it firmly in position and including walls extending inwardly and over the upwardly and outwardly



extending cup flange, a thin layer of mercury in the cup, the marginal portions of the pool lying beneath the inwardly extending wall of the annular member, a transparent window carried by the cup holder flange and spaced above the mercury, and an annular threaded ring for holding said window in place by engaging threads on the cup holder.

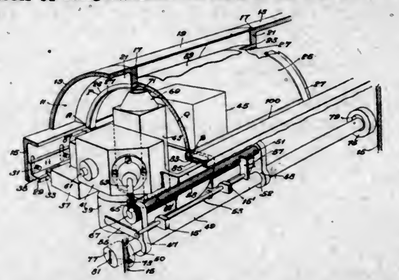
2,413,400

FACSIMILE APPARATUS

Charles J. Young, Ardmore, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application July 14, 1942, Serial No. 450,856
5 Claims. (Cl. 178—7.1)

1. Facsimile apparatus comprising a partially-cylindrical transparent record support member, a movable and slidable member, a rotary scanning device, a drive unit for rotating said scanning device, and an amplifier unit for the said scanning device all carried upon the said slidable member and all positioned internally of the said record support member, means including guide elements for the slidable and movable member for causing the rotary scanning element, its drive element and the associated amplifier all to move longitudinally of and internally of the said partially-cylindrical support member, means for adjusting the center of rotation of the scanning element in each of two directions normal to the direction of longitudinal motion so as to locate the



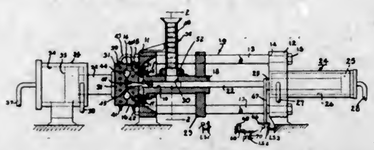
scanner in predetermined positions relative to the partially-cylindrical support member so that the said rotary scanner rotates upon an axis approximately corresponding to the center of the curvature of said partially-cylindrical support member.

2,413,401

APPARATUS FOR FEEDING PREFORMS TO INJECTION MACHINES

Don C. Youngblood, Chicago, Ill., and Bernard D. Ashbaugh, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del., a corporation of Delaware

Application July 26, 1943, Serial No. 496,104
9 Claims. (Cl. 18—30)



8. An injection machine including, an injection cylinder having an injection plunger reciprocable therein, a material retaining means having a plurality of independent chambers, each chamber containing a preformed pellet of plastic material of different size, means for selecting a preformed pellet from any one of said chambers for feeding to said injection cylinder, actuating means for said selecting means, means for actuating said actuating means in response to a return stroke of said injection plunger to feed a pellet from a preselected chamber, means operated in response to a predetermined forward position of said injection plunger to actuate said actuating means for selectively operating said selecting means for selecting a pellet from another of said chambers for feeding to said injection cylinder, and means operated by a predetermined rearward position of said injection plunger to render said last mentioned means inoperative for a succeeding forward stroke of said injection plunger and until said last mentioned means is again operated by said plunger reaching its predetermined forwardmost position.

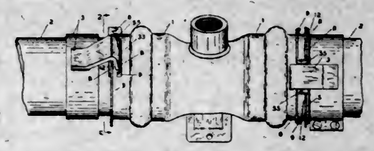
2,413,402

PIPE COUPLER INTERLOCK

Frederick E. Becker, Portland, Oreg.

Application March 18, 1946, Serial No. 655,248
4 Claims. (Cl. 285—175)

1. An interlock for guarding a flange gap and hook pipe lock against working apart comprising, an open end link member made rigid with the flange at each end of the gap, the open end



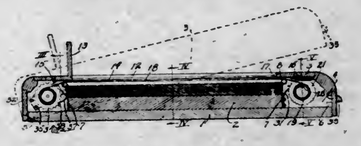
furthest from the gap, said link wide enough to contain the hook when it is rotated past the interlock and reversely rotated into it.

2,413,403

FOOT IMPRINTING DEVICE

Raymond W. Bergman, Lockport, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York

Application May 11, 1944, Serial No. 535,089
7 Claims. (Cl. 282—1)



4. In a foot imprint taking device, a cabinet-like structure of which the upper portion may be swung to open position off the lower portion, said upper portion having an opening therein of a size to accommodate a human foot, means in the lower portion to hold an imprint chart in position beneath said opening, a spool carried in said structure beyond each end of said opening, a duplicating ribbon on said rolls and extending beneath said opening in position to produce an imprint of a foot on the chart, means arranged to prevent rotation of one of said spools in one direction, and resilient means to yieldingly permit rotation of the other spool under pressure and then restore the spool to original position to maintain the duplicating ribbon normally elevated above the chart.

2,413,404

KNOCKDOWN CHASSIS FOR TRAILERS

James J. Black, Cincinnati, Ohio, assignor to The Trailmobile Company, Cincinnati, Ohio, a corporation of Delaware

Application November 19, 1943, Serial No. 510,947
1 Claim. (Cl. 206—46)



A shipping unit formed from the component elements of two complete trailer chassis, said elements including in the case of each chassis a platform having a substantially flat upper surface and side and end rail elements depending from said upper surface at the sides and ends thereof and side rail extension elements disposed along the side rail elements medially thereof, the two platforms being secured together along the edges of the side wall extension elements with the

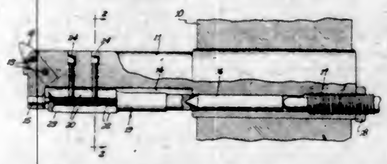
undersides of the platforms facing each other and the rear end of one platform toward the front end of the other, said chassis therefore forming a substantially rectangular unit substantially devoid of exterior projections, reenforcing ribs on the undersides of the platforms, units comprising the axles and springs of each chassis secured to the underside of each platform at the front end thereof and within the storage space constituted by the platforms and side rails, prop elements likewise secured to the undersides of the platforms, and wheel and tire assemblies secured to the reenforcing ribs of the respective platforms, said wheel and tire assemblies being disposed diagonally relative to and athwart the plane of contact of the side rail extension elements of the respective platforms.

2,413,405
FUMIGANT
Frank Leslie Campbell, Rockville, Md., and Willis Conard Fernelius, Dayton, Ohio
No Drawing. Application July 21, 1944, Serial No. 546,061
5 Claims. (Cl. 167—39)

1. As a new composition of matter, the addition product of ethylene oxide and sulfur dioxide having the formula $(CH_2)_2O.SO_2$.

5. A process for fumigating an insect-infested enclosure which comprises vaporizing at atmospheric pressure within said enclosure the addition product of ethylene oxide and sulfur dioxide, having the formula $(CH_2)_2O.SO_2$, in an amount sufficient to kill all insects within said enclosure.

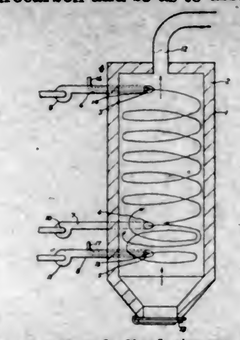
2,413,406
THREAD CUTTER
Harris F. Dooling, Culver City, Calif.
Application February 28, 1944, Serial No. 524,329
5 Claims. (Cl. 10—101)



1. A device for cutting threads comprising a boring bar, and means for mounting a tap against rotation on the boring bar in such a manner that its longitudinal axis will be spaced from but parallel to the axis of the boring bar, and a tap mounted on said mounting means having one or more threaded rib portions projecting beyond the sides of the boring bar so as to be engageable with the work.

2,413,407
METHOD OF CRACKING HYDROCARBONS IN THE PRESENCE OF A DILUENT GAS
Henry Dreyfus, London, England; Claude Bonard administrator of Henry Dreyfus, deceased
Application January 7, 1943, Serial No. 471,547
In Great Britain December 18, 1941
4 Claims. (Cl. 196—63)

1. Method of cracking hydrocarbons, wherein the cracking is effected in the presence of a diluent gas or vapor while the hydrocarbons are passing down a cracking chamber in the form of a self-supporting helical stream and wherein part at least of said diluent gas or vapor is introduced at a point below the point of introduction of the hydrocarbon and so as to assume the form



of a self-supporting helical stream merging with that followed by the descending hydrocarbon.

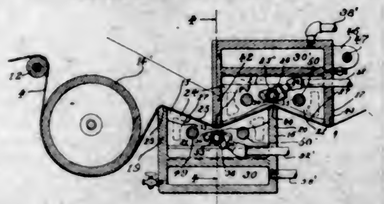
2,413,408
FUMIGANT AND PROCESS OF FUMIGATING
Willis Conard Fernelius, Dayton, Ohio, and Frank Leslie Campbell, Rockville, Md.
No Drawing. Application July 21, 1944, Serial No. 546,060
10 Claims. (Cl. 167—39)

1. As a new composition of matter, the addition product of dioxan and sulfur dioxide in the ratio of one mol of the former to two mols of the latter, said product having the formula

$$O_2S{\cdot}O(C_2H_4)_2O{\cdot}SO_2$$

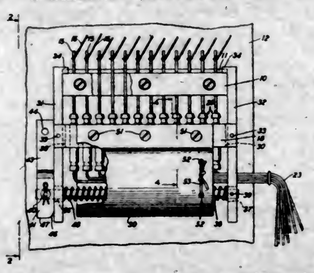
6. The method of killing insects which comprises exposing insects to the vapors of an addition product of dioxan and sulfur dioxide, said product having the formula $O(C_2H_4)_2O{\cdot}SO_2$.

2,413,409
STEAM SHOWER FOR CORRUGATORS
Thomas S. Fitchett, Baltimore County, and Henry B. Greenwood, Baltimore, Md., and William G. Shackelford, Parkersburg, W. Va., assignors to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland
Application October 5, 1943, Serial No. 505,000
12 Claims. (Cl. 91—18)



1. A steam shower for a corrugating machine, comprising a trough having an opening elongated in a direction transverse to the length of the web, said opening being of a length corresponding to the width of the widest web to be treated, blocks closing the cross-section of the trough, and each having an exposed edge portion with a surface, bridging said opening in the direction of the length of the web, said blocks being adjustable in the direction of the length of the opening, to conform to the width of different webs, the said opening having two opposite edge portions extending transversely of the web and adapted to form a sealing contact with the web, substantially throughout its width, and said exposed edge portions of the sliding blocks being adapted to contact the longitudinal edge portions of the web throughout the length of said exposed portions, whereby the entire periphery of the opening is contacted by the web, the opening being sealed thereby and means for supplying steam to the opening by way of the trough, said means being adjustable to vary the extent of the steam supply with the length of the trough opening.

2,413,410
CONTACT FIXTURE
Lloyd D. Hansen, Fanwood, Fred E. Harris, Nutley, Andrew S. Hegeman, Jr., Glen Ridge, and Harry N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1943, Serial No. 513,620
3 Claims. (Cl. 173—328)



1. A contact fixture for use in combination with an elongate terminal strip having a plurality of spaced terminals between its ends, the contact fixture comprising a body, contacts carried thereby and spaced for engagement with the terminals, clamping elements pivotally connected intermediate their ends to the opposing ends of the body, an actuating rod extending between adjacent ends of the elements and connected to one of the elements, a spring adapted to force the elements in directions about their pivots to move the other ends thereof into engagement with the ends of the terminal strip to hold the contacts in engagement with the terminals thereof, and means connected to the other end of the rod to cooperate with the rod to actuate the elements.

2,413,411
PROCESS FOR PRODUCING IRON POWDER
William J. Kroll, Niagara Falls, N. Y.
Application June 23, 1943, Serial No. 491,888
2 Claims. (Cl. 204—10)



1. A process for producing substantially pure iron powder which comprises passing an electric current between an impure iron anode and a cathode through a molten salt electrolyte comprising 10% to 60% ferrous chloride and substantially the remainder being at least two salts selected from the group consisting of sodium chloride, potassium chloride, and calcium chloride and maintaining a current density at the cathode between 10 and 40 amperes per square inch.

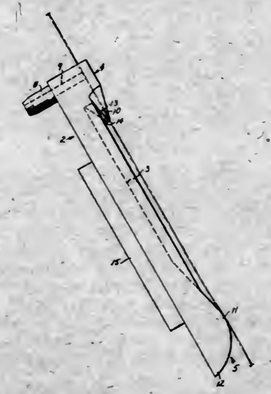
2,413,412
OIL-MODIFIED RESIN COMPOSITIONS
Arthur P. Mazzucchelli, Bloomfield, N. J., assignor to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application May 19, 1942, Serial No. 443,643
5 Claims. (Cl. 260—19)

1. Process of preparing an oil-modified resinous composition which comprises reacting at a temperature ranging from 115° C. to 215° C. a normally oil-insoluble, dehydrated Novolak phenol-aldehyde resin with a fatty material selected from the group consisting of raw fatty oils, oxidized fatty oils, heat-polymerized fatty oils, dehydrated fatty oils, hydrogenated fatty oils and fatty acids having at least 7 carbon atoms and in the presence of an acidic catalyst selected from the group consisting of the hydrates of phosphorus pentoxide, dialkyl sulphates,

$$Ca(SO_4).H_2SO_4$$

sulphur trioxide and its compounds having the formula R—SO_3H wherein R is a radical selected from the group consisting of halogen, hydroxyl and aryl radicals and —OX wherein X is an alkyl radical, said catalyst calculated as phosphoric acid or sulphuric acid being present in amount between 0.1 and 4.0 percent by weight of the Novolak resin.

2,413,413
DEVICE FOR LIQUID TREATMENT OF FILAMENTARY MATERIAL
Henry J. McDermott, Prospect Park, and Richard W. Stanley, Drexel Hill, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 14, 1942, Serial No. 438,924
4 Claims. (Cl. 68—205)



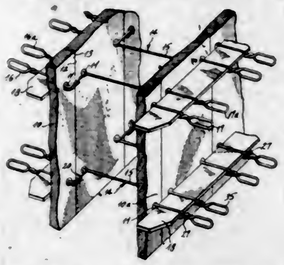
1. A device for treating filamentary material with liquid comprising a member having a pointed structure, a longitudinal filamentary guideway through said member terminating substantially at the point of said member, means for introducing liquid into said guideway, a second member having a liquid diverting surface spaced from said pointed structure and having at least a part thereof in substantial alignment with the bottom of said guideway, and a body member connecting the first-mentioned member with said second member, said body member having means for directing any drippings from said pointed structure to said liquid-diverting surface.

2,413,414
FRICTIONAL HOLDING MEANS
John A. Obermaier, River Forest, Ill.
Application January 6, 1944, Serial No. 517,255
10 Claims. (Cl. 171—95)



1. In frictional holding means of the class described, in combination, a supporting member, a second member positioned in closely spaced relation to said supporting member, a pivot member supported by said supporting member, and an adjustable member mounted between said supporting member and said second member for turning movement on said pivot member to different angular positions, said supporting member being formed of spring metal and having struck therefrom inwardly deflected resilient fingers bearing on the adjacent face of said adjustable member and holding the opposite face of said adjustable member in pressure contact with said second member effective to hold said adjustable member in adjustment on said pivot member.

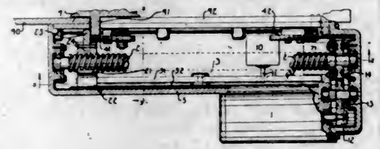
2,413,415
CONCRETE EORM TIE AND SPACER
August Olson, Palatine, Ill.
Application March 31, 1945, Serial No. 585,829
5 Claims. (Cl. 25—131)



1. The combination with concrete forms having spaced openings adjacent the edges thereof that are to abut, of tie and spacer devices having looped ends inserted through adjacent openings, said devices having transverse portions to contact the inner surfaces of said forms, locking bars inserted through said looped ends to span and support adjacent forms, and the projecting portions of said looped ends being twisted tightly against said locking bars to hold said forms against said transverse portions to space the forms apart.

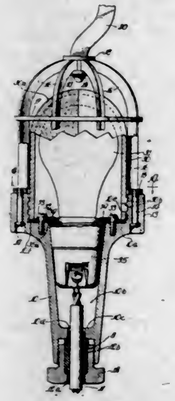
2,413,416
AUTOMATIC CHARGING MEANS FOR MACHINE GUNS
Albion I. Ostlund and John C. Christian, Jr., Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application September 3, 1940, Serial No. 355,118
7 Claims. (Cl. 89—1)

7. Control mechanism for a machine gun of the type including a breech block forwardly and rearwardly reciprocable between open and closed positions, respectively, said mechanism comprising a reciprocable traveler to be mounted upon the gun for forward and rearward movement in a path alongside the path of reciprocation of the breech block, means including a motor for effecting forward and rearward movement of said traveler, means for controlling operation of said motor, means including a cam operable in response to forward movement of said traveler to shift the latter so that it assumes a position in front of a part of the breech block when the latter is in its forward position whereby upon sub-



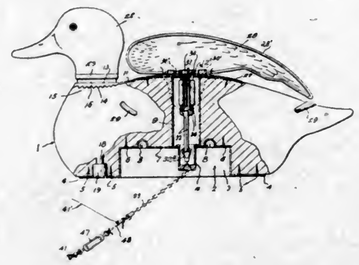
sequent rearward movement of the traveler the breech block will be retracted, means mounting said cam for deflection by said traveler during rearward movement thereof to a position out of the way of rearward movement of said traveler, and a second cam operable in response to rearward movement of said traveler to shift the latter and thus move it from its position in front of the breech block part to release the breech block for projection to its forward position.

2,413,417
PORTABLE LAMP GUARD
Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind., a corporation of Indiana
Application September 24, 1943, Serial No. 503,595
9 Claims. (Cl. 240—54)



9. A portable lamp guard comprising a base ring, a plurality of spaced-apart side members provided with ends attached to said base ring, said side members having straight portions and curved end portions which converge at their extremities, at least a portion of said side members also being provided with inwardly disposed notches substantially at the junctions between the straight and curved portions thereof, the extremities of said curved end portions of said side members being provided with integrally formed oppositely projecting ears which extend generally parallel to the straight portions of said side members, a pair of assembly rings disposed upon opposite sides of said extremities and respectively provided with spaced apertures therethrough within which said oppositely extending ears are anchored, a light reflecting element disposed within said side members and provided with one edge bearing against said base ring and an opposite edge anchored within at least a portion of said notches, and means for anchoring said element along said one edge.

2,413,418
MECHANICAL DECOY
Carroll J. Rulison, Baldwinsville, N. Y.
Application February 8, 1944, Serial No. 521,533
6 Claims. (Cl. 43—3)



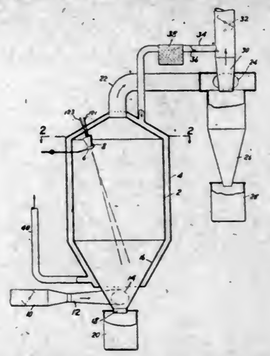
3. A decoy of the character described comprising a buoyant body, wings hingedly mounted on said body, a chamber in the lower portion of the body, said chamber being open at the bottom of the body, an anchor engageable in the chamber, coacting head and socket elements on the anchor and in the chamber for releasably securing the anchor in said chamber, means including a line connecting the wings to the anchor for actuation thereby, reel means for the line on the anchor, and a guide for the line in the chamber.

2,413,419
PELLET FOR ADMINISTERING GONADOTROPIC PITUITARY HORMONES
Francis J. Saunders, Skokie, and Albert L. Raymond, Northfield, Ill., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application February 27, 1943. Serial No. 477,454
6 Claims. (Cl. 167—74)

1. A pellet for the administration of the gonadotropic fraction of the hormones of the anterior pituitary gland by parenteral implantation, which pellet consists of a dispersion of the desiccated hormone substance in a waxy medium.

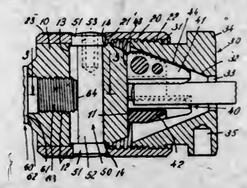
2,413,420
METHOD AND APPARATUS FOR DISPERSING OR DRYING FLUENT MATERIAL IN HIGH VELOCITY ELASTIC FLUID JETS
Nicholas N. Stephanoff, Bryn Mawr, Pa., assignor to Thermo-Plastics Corporation, Camden, N. J., a corporation of New Jersey
Application February 26, 1940, Serial No. 320,788
15 Claims. (Cl. 34—10)

1. The method of drying material comprising passing material to be dried through an opening in a convex surface, and directing a high velocity jet of elastic fluid to wipe, subsequently to its formation, over said convex surface in a direction in which said surface has substantial curvature and in the vicinity of said opening so that the stream of fluid breaks from the curvature of said surface adjacent said opening to entrain and



form a dispersion of the material in fluid from the jet.

2,413,421
DOUBLE-ACTING CHUCK
Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application November 13, 1944, Serial No. 563,190
12 Claims. (Cl. 279—51)

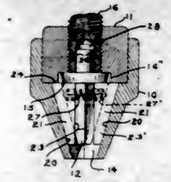


1. A chuck comprising inner and outer parts having interfitting surfaces and relatively slidable on each other, a pin passing transversely through both of said parts, said pin having circular ends and an intermediate eccentric cam portion of different transverse dimensions than the diameter of the ends, forming shoulders with the ends, axially alined circular openings in the outer part in which the ends of the pin are rotatively supported, a transverse cylindrical clearance bore for the cam portion of the pin through the inner part, the shoulders of the pin overlapping the parts at the ends of the bore with the cam portion of the pin arranged to engage a surface of said bore, a pressure member in threaded adjustable engagement with the outer part, a gripping device interposed between the pressure member and said inner part, and means for maintaining the openings in the outer part out of axial alinement with the transverse bore in the inner part.

2,413,422
CHUCK
John J. Teige and William Raymond Thomas, Baltimore, Md., assignors to The Black and Decker Manufacturing Company, Towson, Md., a corporation of Maryland
Application June 20, 1944, Serial No. 541,163
4 Claims. (Cl. 279—64)

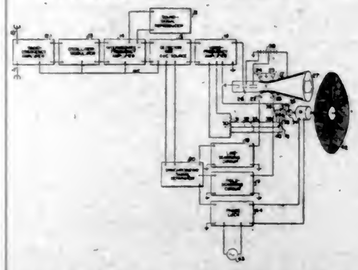
1. A chuck having a housing with top opening and a body member permanently secured in closing relation to said opening, the housing comprising a jaw chamber below said body member and of downwardly reducing taper, said chamber

having angularly joined flat downwardly converging and tapering side wall surfaces and a jaw assembly comprising a plurality of cooperating jaws in said chamber, said jaw assembly having



correspondingly angular and plane downwardly converging and tapering external back walls and means for forcing said jaw assembly downwardly in said chamber to close the jaws.

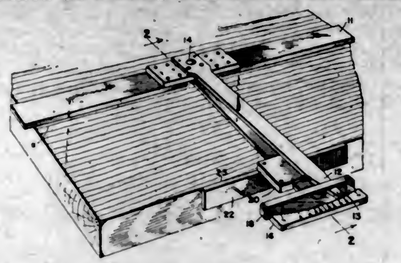
2,413,423
COLOR TELEVISION SIGNAL-TRANSLATING SYSTEM
John C. Wilson, Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 2, 1941, Serial No. 391,480
11 Claims. (Cl. 178—5.4)



1. A color television signal-translating system comprising, a single signal-translating channel for successively and cyclically translating each of a plurality of television signals which individually correspond to particular colors of the image being translated, means for adjusting an operating characteristic of said signal-translating channel, and means for cyclically controlling said adjusting means to effect an individual predetermined operating characteristic in said channel for each of said plurality of signals.

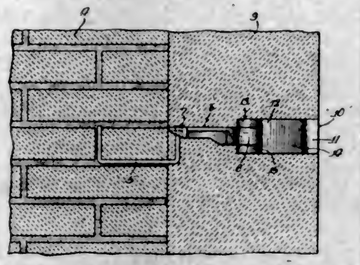
2,413,424
LUMBER GRAIN SLOPE-MEASURING INSTRUMENT
Eric A. Anderson, New Orleans, La., dedicated to the free use of the people in the territory of the United States
Application September 4, 1945, Serial No. 614,343
1 Claim. (Cl. 33—94)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An instrument for measuring the slope of grain in lumber comprising a straight-edge bar, an indicator arm rigidly attached to the straight-edge bar and provided with a pointer, a scale bar carrying a dial on which is arranged a graduated scale, the straight-edge bar and indicator arm being pivotally mounted on the scale bar with the graduated scale in position to be traversed by the pointer when the straight-edge bar and indicator arm are moved on their pivotal mounting, and a slide slidably mounted on the scale bar and carrying a member having a flat face to engage the edge of a board, whereby the instrument may be placed on a board with the flat face in en-



gagement with the edge of the board and with the straight edge of the straight-edge bar coincident with a grain of the board and the slope of the grain to be read on the scale.

2,413,425
ANCHOR EXTENSION MEANS
John E. Anderson and Charles W. Dunlap, Chicago, Ill., assignors to Plibrico Jointless Firebrick Company, Chicago, Ill., a corporation of Illinois
Application September 7, 1944, Serial No. 552,990
4 Claims. (Cl. 72—101)

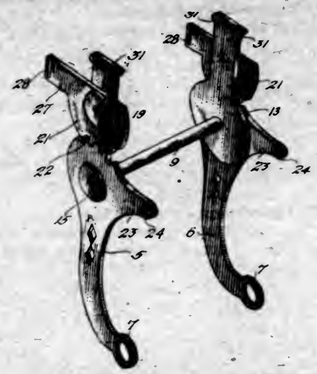


1. In a furnace construction, a retaining wall, a monolithic refractory lining wall at the inner face of said retaining wall, an outer anchor member secured in said retaining wall, an inner anchor member embedded in said lining wall lying wholly therein and connected to said outer anchor member by means permitting expansion and contraction of said lining wall in all directions in the plane thereof independently of said retaining wall, the inner end of said inner anchor member being spaced outward from the inner face of said lining wall, and a refractory anchor extension member embedded in said lining wall attached at its outer end to said inner anchor member and extending inward therefrom substantially to the inner face of said lining wall.

2,413,426
HACKAMORE BIT
Robert W. Askin, Ismay, Mont.
Application May 2, 1945, Serial No. 591,613
1 Claim. (Cl. 54—7)

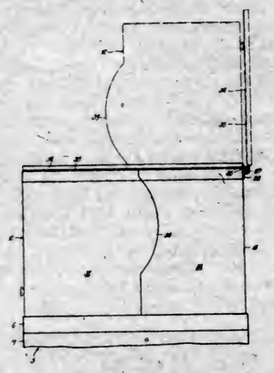
A hackamore bit comprising a pair of cheek plates, a mouth bar rigidly connecting the cheek plates, head straps extending upwardly from the cheek plates, a pair of levers pivoted on the mouth bar and adapted for attaching a pair of reins thefeto, extensions projecting rearwardly from the levers, a jaw strap connected to said extensions, said levers having gear segments

formed at their upper edges, gear segments rotatably mounted on the cheek plates and operatively engaged with the gear segments first mentioned, extensions projecting forwardly of the



gear segments, and a nose strap connected to said last named extensions, said jaw and nose straps being compressed respectively under the jaw and over the nose of an animal upon a pulling force exerted on the reins.

2,413,427
IRONING MACHINE
Henry H. Babcock, Oak Park, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois
Application June 8, 1944, Serial No. 539,268
10 Claims. (Cl. 38—60)

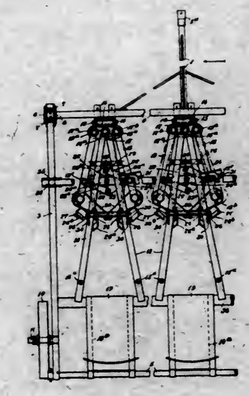


1. In an ironing machine, a support, a roll and a cooperating hot shoe mounted on said support with the shoe in back of the roll, means for heating said shoe, and a box-like cover mounted on said support comprising a stationary rearward section having relatively fixed top and end walls substantially enclosing said hot shoe effective as a guard therefor and a forward section having its top wall hinged to the top wall of said rearward section for movement about an axis substantially parallel with said roll whereby said forward section is movable into an inverted open position rendering said roll and shoe accessible for use and providing an open front open top tray overlying said rearward section and into a closed position providing in cooperation with said rearward section an enclosure for said roll and shoe.

2,413,428
LUBRICATION OF TEXTILE FIBERS
Howard J. Billings, South Acton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 3, 1943, Serial No. 508,858
9 Claims. (Cl. 57—164)

8. The method of spinning fibers which comprises applying to said fibers at some stage prior to spinning a fluid aqueous coating in the form of a thin film consisting essentially of water and a substance selected from the group consisting of alkali and alkylolamine salts of alkyl phosphoric acid, in which the alkyl group has from 1 to 5 carbon atoms, and then spinning the resulting fibers, the atmosphere surrounding the fibers being maintained at a relative humidity not substantially lower than 40% at 70° F. from the time said coating is applied until the completion of the spinning, whereby said coating is maintained in a substantially water-wet state and said fibers are maintained substantially free of static.

2,413,429
IMPLEMENT OR MACHINE FOR HOEING
Douglas Raymond Bomford, Pitchill, near Evesham, England
Application September 23, 1944, Serial No. 555,511
In Great Britain November 18, 1943
7 Claims. (Cl. 97—154)

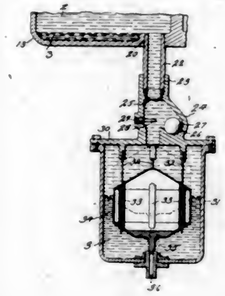


1. A machine for inter-plant hoeing, comprising a traversable frame, a pair of arms connected thereto to move laterally thereof and carrying blades movable by the lateral movements of said arms into overlapping cutting relation and into separated relation, and pedal actuated means connecting said arms for simultaneous lateral movements thereof in relatively opposite directions to bring the blades into said cutting and separated relations.

2,413,430
AUTOMATIC DRAINAGE DEVICE
Charles G. Boone, Tulsa, Okla., assignor of one-half to Royal A. McIntyre, Tulsa, Okla.
Application January 17, 1944, Serial No. 518,613
3 Claims. (Cl. 210—54)

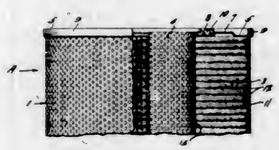
1. The combination with an airplane carbureter bowl, of an auxiliary water condensate device

therefor, said device comprising a trap bowl disposed below the carbureter bowl, a pipe connection between the upper end of the trap bowl and the carbureter bowl, a normally open check valve in said pipe connection and adapted to close when the airplane is inverted and the trap bowl is above the carbureter bowl, a discharge port in



the bottom of the trap bowl, an upwardly and downwardly guided float within the trap bowl and having sufficient reserve buoyancy to rise and fall with the rise and fall of the water level within the trap bowl, said float having a valve cooperating with the discharge port in the trap bowl for intermittently discharging water from the bottom of the trap bowl.

2,413,431
FILTER UNIT AND METHOD OF MAKING SAME
Southwick W. Briggs, Washington, D. C.
Application March 31, 1942, Serial No. 437,057
11 Claims. (Cl. 210—204)

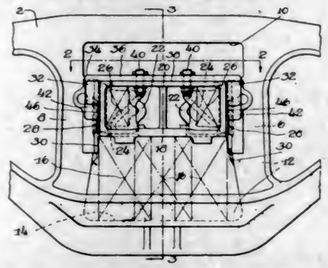


3. A filter unit comprising a tubular body of assembled sheets of filter material, the sheets extending generally radially from the inner surface of the body and being juxtaposed with one edge of each sheet lying in the inner surface of the tubular body and the opposite edge of each sheet lying in the outer surface of the tubular body, said sheets having a plurality of equally and axially spaced radially extending trough-shaped depressions on each side thereof extending from the inner to the outer surfaces of the tubular body, the depressions on both sides of each sheet being aligned with each other and with the depressions in adjacent sheets to form a plurality of channels extending from the inner to the outer surfaces of the tubular body for the free flow of liquid through the channels with the deposition of solids contained therein on the walls of said channels.

2,413,432
RUBBER DERIVATIVE PRODUCTS
Clarence M. Carson, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application July 28, 1943, Serial No. 496,434
2 Claims. (Cl. 260—734)

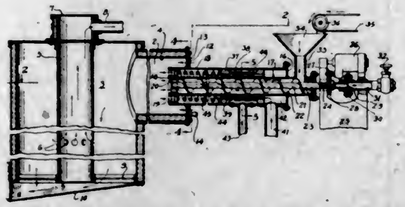
1. A stabilized, partially oxidized cyclized rubber composition which contains diamino diphenyl methane as a stabilizer.

2,413,433
TRUCK
Robert B. Cottrell and Fred E. Bachman, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 26, 1944, Serial No. 542,094
4 Claims. (Cl. 105—197)



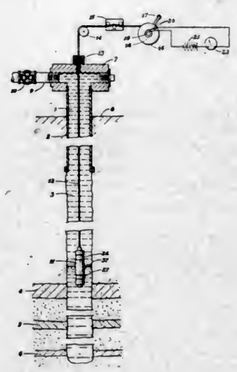
3. In a railway car truck of quick wheel change type, a truss side frame having tension and compression members and spaced columns defining the bolster opening, said columns having intermediate bolster guide portions spaced from said compression member, springs on said tension member in said opening, a bolster end seated on said springs with outboard guide lugs having a depth suitable to accommodate the dismantling of said bolster end above said guide portions through said bolster opening, and interlocking means for said side frame and bolster comprising a member having a horizontal web rigidly secured to the top wall of said bolster outboard said columns and having depending legs interposed between said outboard guide lugs and the adjacent outboard faces of said guide portions for guiding engagement therewith, each of said legs extending a substantial distance below the bottoms of said lugs to afford additional outboard bearing area for said bolster on said columns.

2,413,434
BURNER GUN
William Percival Cottrell, Los Angeles, Calif.
Application July 3, 1944, Serial No. 543,379
2 Claims. (Cl. 263—29)



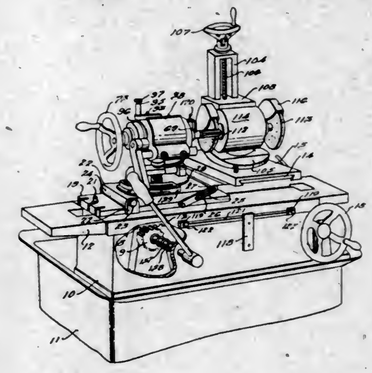
1. In an apparatus of the class described, a body supporting tube, said tube open at one end and connected to a combustion chamber, the other end of said body tube closed providing a circular chamber on this closed end, a worm supporting tube mounted within the said body tube and passing entirely through the said body tube, a mixing block mounted within the said body tube and over the said worm supporting tube, said mixing block provided with openings entering the said circular chamber of the said body tube and extending through the said mixing block, an entrance pipe into the said circular chamber of the said body tube, a ring shaped opening around the outside of the said mixing block and on the inside of the said body tube, a spiral coil for mixing purposes located on the inside of said body tube and on the outside of said worm supporting tube, an entrance pipe entering the said ring shaped opening of the said mixing block, and the said mixing block provided with openings entering to the apertures through the said mixing block and to the said circular chamber.

2,413,435
METHOD OF DETERMINING PERMEABILITY OF EARTH FORMATIONS PENETRATED BY WELL BORES
Leo A. Courter, Seminole, Okla., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application May 8, 1944, Serial No. 534,678
5 Claims. (Cl. 73—152)



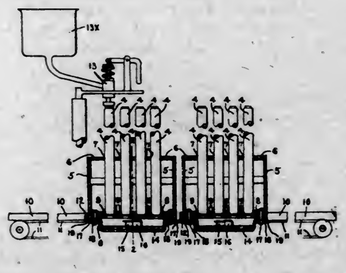
1. In a method of determining the fluid permeability and elevation of earth formations penetrated by a well bore, the steps which comprise introducing into the well a first liquid in amount sufficient to fill the well to a point above the formations to be measured; introducing into the well a second liquid having a lower density than the first and immiscible therewith so as to form two liquid columns meeting at an interface in the well above the formations to be measured; continuing the introduction of the second liquid at a known rate so as to force the first liquid out of the well into the adjacent formations while ascertaining the rate of descent of the interface thereby causing the interface to descend, its rate of descent changing on traversing a fluid permeable portion of the well; and ascertaining the elevation of the interface as its rate of descent changes, the change in the rate of descent being a measure of the permeability of the formations at the elevation at which the rate of descent changes.

2,413,436
GRINDING MACHINE
Orlie W. Dawson, Ferndale, Mich.
Application October 24, 1942, Serial No. 463,157
21 Claims. (Cl. 51—94)



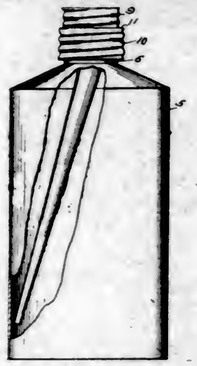
1. In a machine, a work supporting head, a cam on said head, a base, oscillatory means on said base, means for supporting said head above said oscillatory means for angular adjustment about a vertical axis, a roller on said base against which said cam is urged for oscillating said head, and a support on which said base is angularly adjusted.

2,413,437
METHOD AND APPARATUS FOR COATING FLUORESCENT LAMPS
Kenneth Demb, Salem, and Malcolm L. Hayes, Beverly, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application August 12, 1944, Serial No. 549,204
3 Claims. (Cl. 117—33.5)



1. A method of coating the inner surface of vertically disposed tubular fluorescent lamp envelopes comprising the steps of preparing a liquid coating material containing fluorescent powder in which at least the major portion of its solvent is highly volatile and in which the solvent produces a vapor heavier than air, flowing the liquid onto the surface to be coated, draining and collecting the surplus coating liquid which passes completely through the tubes, restricting the downward flow of solvent-vapor and air within the tubes by partially closing the bottom ends thereof whereby the coating is dried in an atmosphere of solvent vapor and air regulated to a predetermined rate of flow.

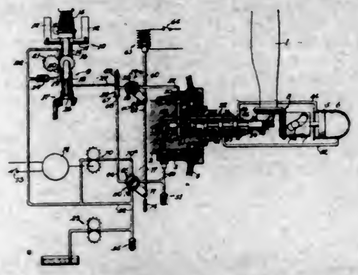
2,413,438
REVERSIBLE NOZZLE FOR SHIPPING CONTAINERS
Gabriel H. W. Doose, New Orleans, La.
Application December 18, 1944, Serial No. 568,698
3 Claims. (Cl. 222—539)



1. A shipping and dispensing container comprising a body having a projecting threaded neck, a tapered nozzle, a threaded cap having a central opening and removably threaded onto said neck with the nozzle projecting into the body, said nozzle having its larger end rigidly attached to the cap in communication with said opening and arranged so that the skirt portion of the cap surrounds the larger end portion of the nozzle, a tubular adapter having a threaded smaller end portion adapted to removably screw onto said neck, a larger threaded end portion removably threaded onto the cap and adapted to have the cap removably threaded therein when the threaded smaller end portion is threaded onto the neck, and an offset portion connecting said threaded portions and defining an internal annular shoulder, and a closure disc seated at its margin upon said shoulder and clamped between the latter and the cap for closing the central opening of the cap and the larger end of the nozzle, the adapter being removable from the cap to permit removal of the closure disc, the nozzle being positionable in an extended position outside the body when the cap is threaded into the larger threaded end portion of the adapter and the smaller end portion of the adapter is threaded onto the neck.

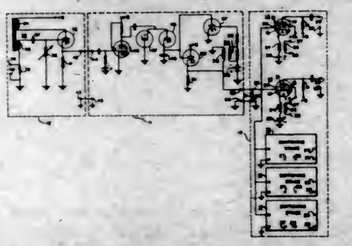
2,413,439
PITCH CONTROL MECHANISM
George Forrest Drake, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application September 15, 1941, Serial No. 410,807
6 Claims. (Cl. 170—163)

1. The combination of an engine having a low pressure lubricating system and a propeller driven by said engine and having blades tending to turn toward low pitch when the propeller is rotating, means including a piston movable in opposite directions to increase and decrease the pitch of said blades, a cylinder for said piston rotatable with said propeller, a first fluid conduit including a transfer ring between the rotating and non-rotating parts and connecting said lubricating system to one end of said cylinder whereby the low pressure fluid urges said blades toward low pitch, means providing a source of fluid at a pressure higher than said lubricating fluid pressure, a second fluid conduit extending through a second transfer ring to the other end of said cylinder, a valve responsive to the speed of said engine and controlling the flow of fluid from said second source to said second conduit, means providing a third source of pressure fluid, higher than said lubricating pressure and said second source of pressure, a normally open valve in said second conduit between said



cylinder and said second transfer ring and adapted to close automatically in response to a fluid pressure in said first conduit higher than said lubricating pressure, and valve means in the non-rotatable portions of said conduits selectively operable to connect said lubricating and second pressure sources to said first and second conduits respectively in one position of the valve means to close said second conduit and connect said third pressure source to said first conduit in the other position of the valve means.

2,413,440
ELECTRONIC SWITCH
John F. Farrington, Tilton, N. H., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 15, 1942, Serial No. 443,117
13 Claims. (Cl. 250—27)



1. An electronic switch comprising, a plurality of vacuum-tube switching stages each including an output circuit at which a signal translated by the stage is developed, the conductance characteristics of said stages depending primarily on the values of space currents of said vacuum tubes, a signal input circuit for each of said stages, means for applying to each of said stages a signal input having an effective amplitude varying over a predetermined amplitude range, at least a portion of each of said signal input circuits being common to all of said stages, and means individual to said stages for controlling the conductance characteristic of each stage thereof to render each of said stages responsive to individual portions of said amplitude range of said signal input, selectively to translate the portions of said signal input lying within said portions of said amplitude

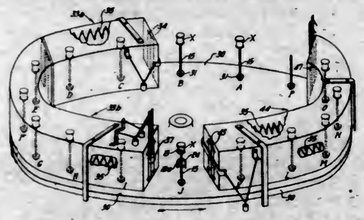
range, said last-named means in at least one of said stages including means for rendering said one of said stages unresponsive to all amplitude values of said input signal different from the said portion of said amplitude range individual to said one of said stages.

2,413,441
VITREOUS AND VITRIFIABLE COMPOSITIONS OF MATTER AND METHODS OF MAKING THE SAME
Harold R. Feichter, Canton, Ohio, assignor to United States Quarry Tile Company, Canton, Ohio, a corporation of Delaware
No Drawing. Application August 27, 1942, Serial No. 456,414
1 Claim. (Cl. 106—66)

A body composition of matter, for a fired vitreous product, including the following compounds in parts by weight:

Alumina, Al_2O_3	92
Calcium fluoride, CaF_2	1.5
Magnesium phosphate, $Mg_3(PO_4)_2.4H_2O$	1.5
Plastic ball clay, $Al_2O_3.2SiO_2.2H_2O$	4
Chromic oxide, Cr_2O_3	1

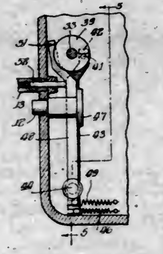
2,413,442
ELECTRODE ACTIVATION
Clifton G. Found, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application January 28, 1944, Serial No. 520,052
7 Claims. (Cl. 316—9)



2. A method of treating with alkali metal, in a discharge device, a discharge cathode surface of reactive metal; which method comprises heating said cathode surface to a temperature at which reaction between the alkali metal and the reactive metal cathode surface takes place rapidly, and separately heating and vaporizing into said discharge device a supply of the alkali metal from a separate container communicating with said discharge device, at a lower rate than its potential rate of reaction with the reactive metal cathode surface at the temperature of the latter when the alkali metal reaches it.

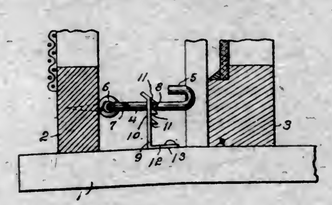
2,413,443
CAMERA
Leo Frankel, Chicago, Ill.
Application September 18, 1944, Serial No. 554,572
4 Claims. (Cl. 88—17)

1. In a motion picture camera having a shutter, lens system, and film transporting mechanism, drive means for said shutter and film transporting mechanism, a rotatable member driven by said drive mechanism having a projection spaced from the axis of rotation thereof, a pair of arms having a common pivot and each having a stop for said projection, spring means urging said arms in a normal position with the said stop of one said arm engaging said projection to hold said rotatable member with the shutter in light intercepting position, and the said remaining stop spaced from the first stop and disposed in a position out of the path of said projection, means exterior of the camera for moving only the arm carrying the first mentioned stop to release the said projection and permit operation to take motion pictures, and means for moving both of said arms



to release the first mentioned stop and project the second stop into the path of said projection at non light intercepting position to expose a single picture, said means functioning when released to permit return of both arms to normal position.

2,413,444
WINDOW SCREEN CATCH
Julius Freelander, Kansas City, Mo.
Application January 10, 1945, Serial No. 572,142
1 Claim. (Cl. 292—218)

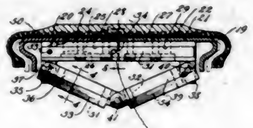


In a window screen catch, in combination with a latch member having a lateral arm, of means adapted to pivot said latch member on a horizontal axis to the inner side of a window screen frame, a ratchet member comprising a resilient plate having an upstanding portion with a plurality of ratchet teeth, one above the other, and means adapted to attach the lower portion of said ratchet member to the upper side of the window sill spaced from and at the inner side of the screen frame, and in a position in which said ratchet teeth will extend inwardly and will be successively struck and pressed outwardly, with said upstanding portion, by said arm, when said latch member is swung downwardly with said arm at the inner side of said upstanding portion, said upstanding portion being sprung forwardly manually when it is desired to free said latch member and permit its upward swinging to a release position.

2,413,445
TIRE BUILDING FORM
Walter B. Freeman, Cuyahoga Falls, and Robert E. Lindemann, Barberton, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 9, 1944, Serial No. 539,570
9 Claims. (Cl. 154—9)

1. A tire building drum comprising a plurality of circumferentially arranged drum segments

each segment comprising laterally separable side elements, means engageable with said segments for holding them in assembled relation, said segments being disengageable as a group from said means by movement axially thereof, and quick-



acting collapsing means individual to a segment including a member on one side element of the segment movably engaging a member on the other side element of the segment for temporarily reducing its width to facilitate its removal from a tire.

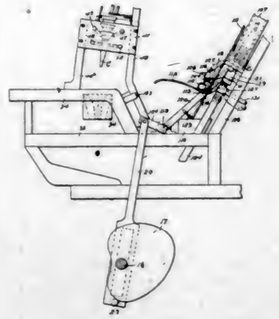
2,413,446

CONE JACKET TRANSFER MECHANISM

Mitchel Glassner, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland

Original application April 14, 1943, Serial No. 483,075. Divided and this application August 22, 1944, Serial No. 550,649

4 Claims. (Cl. 214—1)



1. In a machine of the character described: a jacket transfer mechanism which includes a pivoted frame; means to move said frame back and forth on its pivot; a shaft journalled in said frame; a rigid finger secured to said shaft and having a portion to enter the jacket; a member having a second finger freely pivoted to said shaft in cooperative relation to said rigid finger to engage the outside of the jacket; means continuously tending to move said second finger in one direction; and an arm on said shaft having a cam-engageable member; and a cam-track for engagement by said cam-engaging member to hold said rigid finger in a position to receive and convey a jacket.

2,413,447

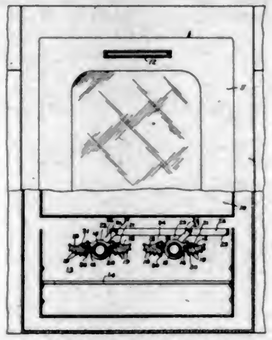
RADIANT OVEN AND BROILER BURNER

Raymond J. Greene, Sebring, Ohio

Application October 21, 1943, Serial No. 507,082

14 Claims. (Cl. 158—113)

1. An oven and broiler burner including a stationary fuel pipe having flame jets in opposite sides thereof, a pair of radiants adjustably mounted upon and parallel to the pipe, and means for moving said radiants relative to the fuel pipe to horizontal positions at each side of



the pipe and to vertical positions adjacent to the pipe.

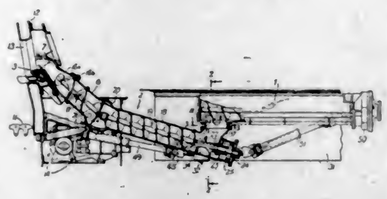
2,413,448

STOKER CONVEYER

William Thompson Hanna, Cincinnati, Ohio

Original application January 12, 1940, Serial No. 313,599, now Patent No. 2,351,959, dated June 20, 1944. Divided and this application December 29, 1942, Serial No. 470,439

13 Claims. (Cl. 198—15)



1. In a locomotive stoker for conveying coal from a locomotive tender to the firebox of the locomotive, the combination of a conduit section rigidly mounted on the locomotive, a conduit section rigidly mounted on the tender, a transfer conduit section intermediate said tender and locomotive sections, having its forward end universally connected with the rear end of said locomotive section and its rear end in offset relationship with the forward end of said tender section, and a delivery conduit section pivoted on the forward end of said locomotive section and adapted for adjusted lateral displacement relative to the firebox to regulate the lateral distribution of the coal to the firebox.

2,413,449

METHOD OF MAKING SEALED FIBER CONTAINERS AND CLOSURES THEREFOR

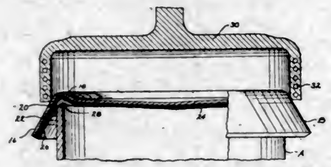
Alexander G. Hatch, Rutland, Vt., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application February 26, 1944, Serial No. 524,146

5 Claims. (Cl. 93—55.1)

1. The method of making a can closure which comprises laminating a strip of cap stock and a strip of sheet material impervious to selected

fluids, drawing therefrom a cap having a disk portion and a peripheral flange depending from the disk portion, applying to a portion of the disk and flange a normally non-viscous thermoplastic adhesive rendered viscous by heat, and causing said adhesive to form into a ring of excess thickness at the juncture of the flange and disk.



2. The method of making a sealed fiber container which comprises forming a closure with a disk portion and circumferential flange for engaging the exterior of the body, applying a heavy coating of normally non-viscous thermoplastic adhesive preheated to viscousness at the juncture of the disk and flange, cooling the adhesive, arranging the closure on the open end of the body with the end of the body underlying the thermoplastic, applying heat to the closure to render the adhesive viscous and tacky, displacing the excess adhesive inwardly by axially urging the closure and body together, then permitting the closure to cool to cause said displaced adhesive to become non-viscous and seal the closure to the body and provide a fillet between the inner surface of the container and the inner face of the disk.

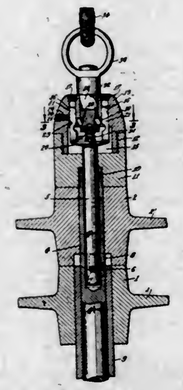
2,413,450

RELEASING DEVICE

Bjornulf Johnsen, Summit, N. J., assignor to Leonard P. Frieder, New York, N. Y.

Application November 23, 1944, Serial No. 564,838

6 Claims. (Cl. 294—83)



1. A releasing device comprising in combination two concentric, cylindrical members, a compression spring and a catch to hold said members in assembled relation, relatively rotatable means for disconnecting said members including relatively rotatable members adapted to be operated by being drawn through water and means actuated by the relative rotation of one of said members with respect to the other one to release said catch.

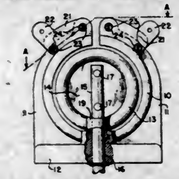
2,413,451

ULTRA HIGH FREQUENCY TUNING UNIT

John Kelly Johnson, Deerfield, Ill., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois

Application October 3, 1942, Serial No. 460,645

6 Claims. (Cl. 250—40)



1. An ultra-high-frequency tuning unit comprising, a stationary single-turn loop member including a ring of conductive material having a substantially circular cross section of predetermined radial diameter, said loop member having at least two spaced terminal points thereon, a rotatable member comprising a ring of conductive material having a substantially circular cross section at least substantially as large as that of said loop member, and means for supporting said rotatable member within said stationary member for rotation about a diameter thereof symmetrical with respect to said terminal points including a shaft journalled in said stationary member in electrical contact therewith and mechanically and electrically connected to said rotatable member, the average minimum spacing of said rotatable member from said stationary member being not greater than one-half said radial diameter, whereby said stationary member is adapted to be electrically connected to ground in the vicinity of said shaft to provide a tuning unit electrically balanced to ground and said rotatable member, upon rotation, is effective substantially to vary the inductance of said stationary member while maintaining said electrical balance to ground.

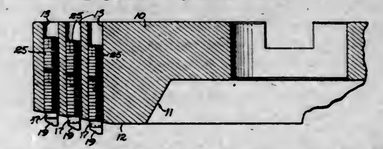
2,413,452

CUTTER

Karl B. Kaiser, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application January 26, 1944, Serial No. 519,731

1 Claim. (Cl. 29—105)



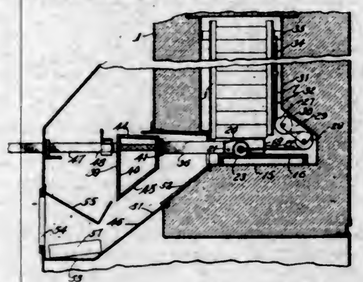
A cutter comprising a body having a cylindrical hole extending therethrough and open at both ends, internal threads of uniform diameter formed in the wall of said hole throughout the length thereof, a blade having a cutting edge carried by and rigid with one end thereof, external threads formed on the shank of said blade and screwed into said hole to project said cutting edge beyond one end of the hole, the other end portion of said hole being sized and the other end of said blade being recessed to receive a tool for turning said blade in said hole and thereby adjusting said cutting edge axially of the hole, and a screw threaded into said other end portion of the hole and tightened against the end of said shank to force the latter against the threads of said hole and thereby lock the shank against turning in the hole.

2,413,453
CONTAINER CLOSURE
William C. Kesler and Victor A. Ryan, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application November 24, 1943, Serial No. 511,616
1 Claim. (Cl. 215—40)



A cap having a cushion liner formed of a mixture of about 15 to 25% kraft pulp and about 85 to 75% waste news pulp, said liner having a thickness of between about 0.049 inch and 0.063 inch, and an apparent density between substantially 0.019 and 0.027 pound per square yard per point of thickness.

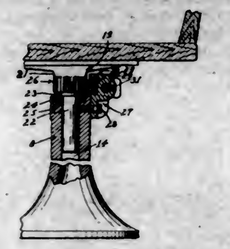
2,413,454
VENDING MACHINE
Ival E. Kidwell, Los Angeles, Calif.
Application July 13, 1942, Serial No. 450,662
2 Claims. (Cl. 312—67)



1. In a dispensing machine for ice cream bars and other commodities, a well within which the bars to be dispensed are stacked, a platform beneath said well, said platform provided with a pair of spaced guide rails of inverted V-shaped cross section, a wheeled plunger carried on said platform and straddling said guide rails, bar receiving means comprising a U-shaped strap secured to said plunger and normally positioned beneath said well for receiving the lowermost bar of said stack, the said bar being supported on said guide rails, the inverted V-shaped cross section of said rails providing a point contact therewith, and means for moving said bar receiving means and said plunger transversely of the well to remove the lowermost bar from said stack.

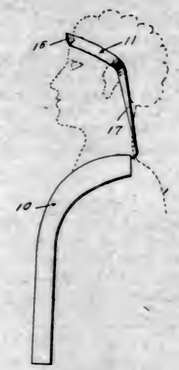
2,413,455
SEAT SUPPORT
Walter J. Kiefer, Belvidere, Ill.
Application October 11, 1943, Serial No. 505,775
5 Claims. (Cl. 155—95)

1. The combination in a chair-return mechanism for chairs of the type having a stationary support and a chair seat rotatable thereon, of a spindle arranged for attachment to the bottom of a chair seat to depend therefrom shaped for reception in said stationary support for rotation on a vertical axis about a fixed center, a pinion on said spindle rotatable therewith and with said chair seat, gear means disposed between said pinion and said support driven by said pinion, spring means disposed between said gear means and the stationary support stressed by movement of said gear means in response to rotation of said chair seat in one direction out of a preselected position



and driving said pinion from said gear means upon release of said chair seat to return said chair seat to said preselected position.

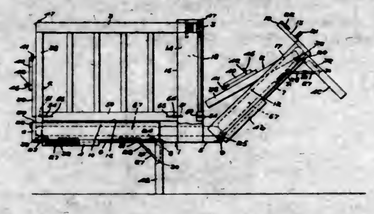
2,413,456
SHAMPOO CAPE
Cordelia E. O. Larkin, St. Petersburg, Fla.
Application June 19, 1945, Serial No. 600,325
1 Claim. (Cl. 2—48)



A device as described consisting of a fabric apron cut away centrally at one end so as to provide shoulder engaging portions for the apron and a slot through which the neck of the wearer extends, and an integral rubber annular strip having oppositely arranged arms joined to the apron at the uppermost end of the apron, in a plane with the shoulder engaging portions thereof, this annular strip forming a peripheral trough and extended over around the forehead of the wearer so as to girdle the latter with its arcuate outer portion, and so as to depend from the forehead girdling portion with its opposing arms on the side of the head and neck of the wearer.

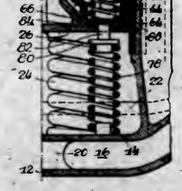
2,413,457
FOLDING CRIB
David D. Leavitt, Boston, Mass.
Application September 11, 1944, Serial No. 553,566
6 Claims. (Cl. 5—99)

4. A folding crib having a bottom member comprising two end sections including upstanding flanges and a central section interposed between said end sections, an end member pivoted to the outer end of each end section to turn about a horizontal axis and foldable inwardly and downwardly against said end section, two side rail sections at each side of the crib, means pivotally supporting each side rail section on a bottom member section for inward folding movement, and means pivotally connecting the inner end of each end section of the bottom member to the central section to turn about a horizontal axis, said end sections with the end members folded down there-



against being foldable upwardly into a position at right angles to the central section, said end sections when thus folded constituting the two sides and the top of a carrying case which encloses the folded end members and side rail sections, the bottom of such carrying case being constituted by the central section.

2,413,458
TRUCK
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 9, 1943, Serial No. 505,620
28 Claims. (Cl. 105—197)



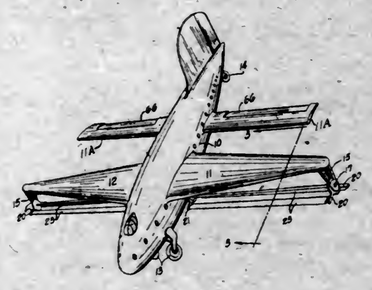
14. In a railway car truck, a side frame comprising spaced columns and an intervening bolster opening, resilient means on said frame in said opening, a bolster supported on said resilient means, friction means carried by said bolster and cooperating with friction surfaces on said columns for developing a substantially constant amount of friction during normal oscillations of the bolster, and resilient means on said frame cooperating with said friction means for increasing the amount of friction developed thereby during an unusually great oscillation of the bolster.

2,413,459
LUMINOUS MATERIAL
John R. Lynch, Providence, R. I., assignor to E. P. Lynch, Inc., a corporation of Rhode Island
Application August 22, 1944, Serial No. 550,664
1 Claim. (Cl. 250—80)



An article of manufacture comprising a base presenting a surface, luminescent materials of relatively longer and shorter afterglow on said surface, the material of shorter afterglow being applied in spaced areas on said surface and a coating of material of longer afterglow covering the shorter afterglow material and the remainder of the surface area, each coating maintaining its distinction without mingling.

2,413,460
AIRPLANE
David W. Main, Detroit, Mich.
Application May 16, 1944, Serial No. 535,891
8 Claims. (Cl. 244—9)

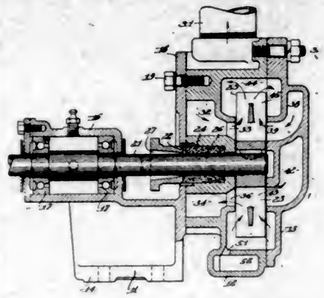


2. An aircraft, comprising, a fuselage, a motor, and propeller comprising a plurality of elongated, transversely streamlined blades mounted for revolution in a cylindrical orbit about a central axis which extends substantially perpendicular to the axis of the fuselage, means for oscillating the blades about their own axes as they revolve about their orbit comprising a cam positioned in a plane perpendicular to the axis of rotation, a cam pivot spaced from the common axis and stationary with respect to the fuselage, the cam being mounted for limited oscillation about the pivot, means comprising a cam follower operatively connected with the blades for imparting to the latter a cyclic angular movement determined by the cam surface contour, means for shifting the cam rotarially about its pivot to effect a variation in blade oscillation, means for urging the cam followers against the cam surface as the propeller operates, and a second cam pivotally connected with the first cam for movement into a position to modify the effective cam contour, whereby a variation in the cyclic blade oscillation can be obtained at a predetermined part of the blade orbit independently of the main cam.

2,413,461
PUMP
John Mann, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application December 6, 1943, Serial No. 513,131
2 Claims. (Cl. 103—104)

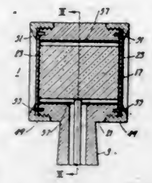
1. A pump comprising, in combination, a rotor having vanes, an enclosing casing for said rotor having suction and discharge connections, said casing having a segmental channel of varying cross-sectional area adjacent the periphery of the vanes and having suction and discharge passages on each side of said rotor which have access to the vanes at points spaced inward from the channel, the suction passages being in communication with the suction connection and the discharge passages being in communication with the dis-

charge connection, and said casing having a drainage connection at the bottom thereof which



is at all times open for flow either into or out of the casing.

2,413,462
TRANSDUCER
Frank Massa, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application July 30, 1942, Serial No. 452,906
4 Claims. (Cl. 177—386)

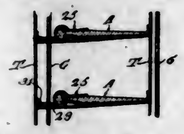


1. A compressional wave submarine sender or receiver comprising a housing, a piezoelectric crystal unit within and substantially filling the housing, the crystal unit having diametrically opposite end-faces that are substantially normal to its compressional axis, each end of the housing being hermetically sealed by a substantially unstressed flexible sealing means individual thereto, and the said end-faces of the crystal unit, throughout their extent, being cemented directly in contact, respectively, with the said sealing means for mounting said crystal unit within said housing and away from contact with the walls of said housing, the mass and stiffness of each sealing means being negligibly low in comparison with the mass and stiffness of the crystal unit per se and each of said sealing means being substantially stiff to motion in directions perpendicular to the compressional axis of said crystal unit.

2,413,463
METHOD FOR PREPARING SOLUBLE ALLYL STARCH
Peter L. Nichols, Jr., Philadelphia, Philip E. Meiss, Fort Washington, and Elias Yanovsky, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 20, 1944, Serial No. 531,971
8 Claims. (Cl. 260—209)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

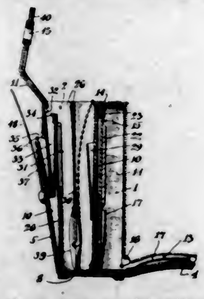
1. The process of preparing organic solvent soluble allyl starch which comprises allylating starch in the presence of concentrated alkaline solution and an organic solvent for the allyl starch.

2,413,464
VENETIAN BLIND
Alexis Nihon, Dorval, Quebec, Canada
Application March 27, 1944, Serial No. 528,217
1 Claim. (Cl. 160—173)



In a Venetian blind, translucent slats having a substantially flat body and a bead at one edge thereof, whereby said slats can be inclined in closed bead-to-body position, supporting, raising and actuating means for said slats, and bead-fitting slat-aligning means removably retained by the beads of the slats and engaged by the slat-raising means independently of the supporting means.

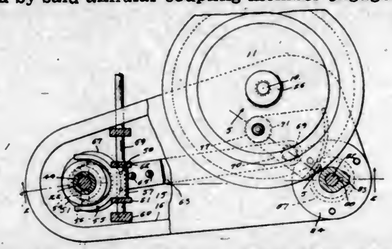
2,413,465
HANDBAG
Violet E. Ohlsen, Washington, D. C.
Application April 10, 1942, Serial No. 438,413
2 Claims. (Cl. 150—34)



2. In a handbag, the combination of an open-top compartment, means for closing the open top of the compartment, a coin purse secured to one side of the open top compartment having a middle portion therein to form two compartments, said two compartments in the coin purse opening upwardly, closing means permitting access to one compartment of the purse from the inside of the open top compartment, a slit in the side of the open top compartment permitting access to the other purse compartment while the handbag is closed, said portion in the coin purse preventing access to the inside of the open top compartment through said slit and means for opening and closing said slit.

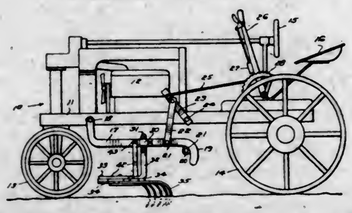
2,413,466
TORQUE-RESPONSIVE CLUTCH
Lester M. Osterstuck, Jamestown, N. Y., assignor of one-half to Milton A. Bissell, Jamestown, N. Y.
Application June 14, 1943, Serial No. 490,790
7 Claims. (Cl. 192—54)

1. In a driving mechanism, a continuously rotatable member, a shaft loosely carried by said member, a hollow clutch shaft rotatable about said first shaft, an operating element fixed to said first shaft below said hollow shaft, said element including a tubular lower coupling member formed with a pair of diametrically opposed slots, a slotted upper coupling member carried by the lower end of said hollow shaft, an annular coupling member loosely disposed about said upper and lower coupling members, coupling pins carried by said annular coupling member engageable



in said slots of said upper and lower coupling members for locking said operating elements relative to said hollow shaft, correlated friction clutch means carried by said rotatable member and said hollow shaft, said friction clutch means disposed in clutching position when said pins are in the slots of said upper and lower coupling members, and means for moving said annular member to coupling or uncoupling position.

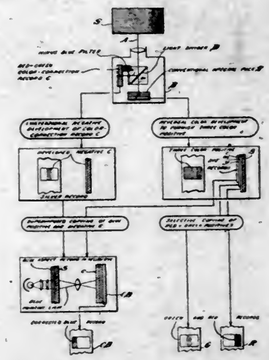
2,413,467
ADJUSTABLE PARALLEL BEAM CULTIVATOR
Clarence Patterson, Cullman, Ala.
Application October 20, 1944, Serial No. 559,520
2 Claims. (Cl. 97—47)



1. In combination with a tractor frame, of a cultivator attachment supported thereby comprising a pair of S-shaped levers pivoted to said tractor frame at their forward ends, means connected between the rear ends of said levers, depending L-shaped supporting brackets secured to said levers, spaced parallel bars adjustably supported by said brackets, parallel cultivator teeth secured to said bars, interconnected links adjustably connected between said bars, guide channels secured to said levers, said links having upwardly directed guide extensions slidably received in said guide channels, and means for raising and lowering said levers and cultivator teeth supported thereby.

2,413,468
COLOR CORRECTION OF COLOR PICTURES
Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application November 11, 1942, Serial No. 465,254
3 Claims. (Cl. 95—2)

1. The method of producing color pictures which comprises simultaneously exposing a plurality of color-separation records in an integral pack and a color-correction record on a separate support with different portions of the same light transmitted from a scene along a common optical path, the integral pack and color-correction records being exposed along branches of said path



respectively, subjecting the records to developing processes which have like effect upon their size, making prints with said color-separation records, and in making said prints using said color-correction record to correct the color value of at least one of the prints differentially throughout its area.

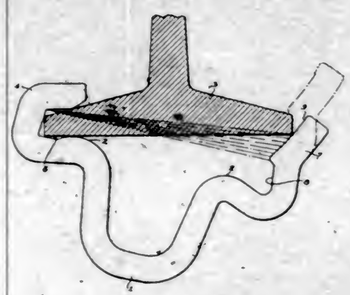
2,413,469
PREPARATION OF NITROGEN COMPOUNDS
Carl E. Schweitzer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1944, Serial No. 533,653
11 Claims. (Cl. 23—78)

3. In a process for the preparation of nitrogen compounds, the step which comprises subjecting a divalent metal carbonate to the action of ammonia and an oxide of carbon at a temperature in the range of 400° to 1000° C., in an apparatus constructed of a zirconium silicate refractory.

2,413,470
RAIL ANCHOR
Edmund A. Skowron, Pittsburgh, and Wilbert H. Woodings, Oakmont, Pa., assignors to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application June 8, 1944, Serial No. 539,241
2 Claims. (Cl. 238—330)

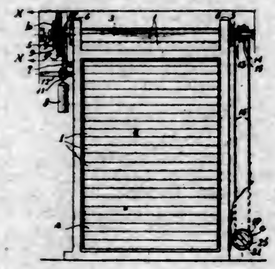
1. A one-piece resilient rail anchor adapted to extend under a rail base, the opposite ends of the anchor extending upwardly and requiring to be sprung apart to receive the rail base between them, one end of the anchor being formed to hook over one side of the rail base and to engage its upper edge while the anchor is positioned by turning it about said upper edge to force the upwardly extending opposite end of the anchor upwardly and outwardly across the other side of the base, said opposite end of the anchor having an inner cam surface adapted to slide upwardly across the lower edge of the ad-

jacent side of the rail base, the lower end of said surface terminating at the upper end of a notch with which the anchor is provided for receiving said adjacent side of the rail base when the anchor is in position thereon, and



said cam surface being concave lengthwise and intersecting the vertically spaced ends of a plurality of imaginary straight lines converging at a point on the anchor engagable with the upper edge of the opposite side of the rail base, said lines being substantially one degree apart and the length of each one being substantially uniformly greater than the line directly below it.

2,413,471
COUNTERWEIGHT DEVICE FOR ROLLER CURTAINS
Luis Sorrentino, Buenos Aires, Argentina
Application November 2, 1943, Serial No. 508,739
7 Claims. (Cl. 160—33)

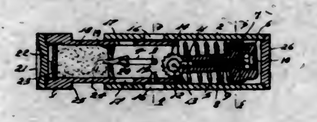


5. In a counterweight device for use in controlling a winding drum mounted on a shaft and adapted to receive a plurality of serially connected members, a pulley mounted on said shaft, said pulley having a pair of spiral grooves therein, one of said grooves increasing from a minimum up to a maximum radius and the other groove decreasing from the same maximum down to a minimum, a cable attached at one end to the spiral pulley and a counterweight attached to said cable, the convolutions of one of said spiral grooves on the pulley being adapted to increase the radius arm and hence the torque on the shaft as the winding drum is rotated to unroll a greater length of the serially connected members, and operating means connected to said shaft for rotating same, said cable being shiftable from the first to the second groove for relieving the drum of the weight of the slats.

2,413,472
ACCELERATED MOISTURE CONDITIONING AND MILLING OF GRAIN
Elizabeth J. Sullivan, Minneapolis, Minn., assignor to Russell-Miller Milling Co., Minneapolis, Minn., a corporation of Delaware
No Drawing. Application May 27, 1946, Serial No. 672,715
13 Claims. (Cl. 241—8)

12. The process of treating grain of natural moisture content for roller milling which comprises adding to the grain a measured quantity of water sufficient only to cause moisture penetration of the outer coverings so as to toughen them for debranning purposes, to penetrate the endosperm to prepare it for roller milling and to adjust the moisture content so as to yield a final milled product of the desired moisture content, characterized by the addition to the water of a sufficient amount of an edible surface tension depressant to reduce the surface tension of the water to less than 50 dynes per centimeter, roller milling the treated grain while in its thus moistened condition to debran the grain, and immediately thereafter thoroughly disintegrate the same, said roller milling being initiated less than five hours after the initial addition of the water containing the surface tension depressant to allow time for said moisture penetration.

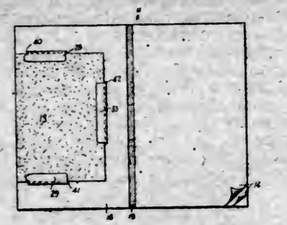
2,413,473
LIGHTER
Harold C. Sundby, Philadelphia, Pa., assignor of one-half to Thorsten Y. Olsen, Philadelphia, Pa.
Application March 14, 1946, Serial No. 654,386
3 Claims. (Cl. 67—7.1)



1. In a lighter, a casing comprising telescopic sections having limited relative movement and having ports in registry when in igniting position and out of registry when not in igniting position, a pawl in one section, a carrier pivoted off-center with respect to the casing in the other section, a friction wheel rotatably supported on the carrier, a flint for the friction wheel, a ratchet to turn the friction wheel, a spring to effect outward movement of the sections and cooperating with the carrier to position the ratchet in the path of said pawl, and a fuel impregnated wick to receive sparks from the friction wheel and flint.

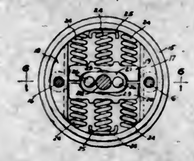
2,413,474
STATIONERY PACKAGE
Evelyn von Hartmann, Westwood, N. J., assignor to Novelart Manufacturing Company, Long Island City, N. Y., a firm
Application August 28, 1944, Serial No. 551,456
4 Claims. (Cl. 206—63)

1. A stationery package comprising a folder, said folder comprising a pair of sections hinged together at adjacent ends, one of said sections being formed with a plurality of slits, a cover member extending from one of said sections and folded thereover, and forming a compartment therewith, envelopes within said compartment, said cover member being provided with tabs which extend through said slits, and lie parallel to the face of said slitted section and a blotter retained



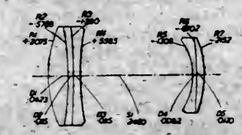
against the inner surface of said slitted section by said tabs.

2,413,475
SPRING HINGE
Fred B. Waits, Los Angeles, Calif., assignor of fifty-one one-hundredths to C. S. Watkins, and forty-nine one-hundredths to George H. Brown, both of Los Angeles, Calif.
Application August 21, 1944, Serial No. 550,341
6 Claims. (Cl. 16—185)



2. A spring hinge comprising a casing adapted to be attached to a door-sill or the like; a pivot mounted in said casing, a detachable lever bar at one end of said pivot; a cam member within said casing on said pivot; a pair of slide members with cam-engaging surfaces adjacent the cam surfaces of said cam member, said slide members being adapted to slide laterally toward and away from said pivot; said casing including spaced parallel walls forming guide means for opposite ends of said slide members and coil compression springs within said casing adapted to press said slide members against said cam member cam surfaces.

2,413,476
OPTICAL OBJECTIVE
Arthur Warmisham and Charles Gorrie Wynne, Leicester, England, assignors to Taylor, Taylor & Hobson, Limited, Leicester, England, a British company
Original application December 15, 1941, Serial No. 423,118. Divided and this application April 24, 1943, Serial No. 484,425. In Great Britain December 2, 1940
13 Claims. (Cl. 88—57)

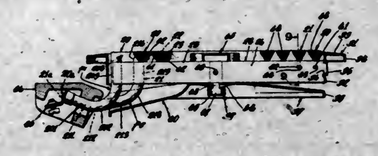


1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and having small zonal spherical aberration, and comprising at least two divergent elements and at least two convergent elements in axial alignment, one of the divergent elements being made of an alkaline halide crystal and being compounded with a divergent element made of a dense flint glass, whilst at least one of the convergent elements is made of a glass having an Abbé V number less than 50, the remaining elements of the objective all being made of optical glass, the objective approximately fulfilling the two equations

$$\sum \frac{m_p^2}{f_p} \cdot \frac{1}{V_p} = 0 \quad \text{and} \quad \sum \frac{m_p^2}{f_p} \cdot \frac{\theta_p}{V_p} = 0$$

wherein m_p, f_p, V_p and θ_p respectively represent the magnification, the focal length, the Abbé V number and the relative partial dispersion of an element p of the objective and the symbol Σ indicates algebraical summation of the expressions for all the elements of the objective.

2,413,477
ELECTRIC HOT-PLATE UNIT
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1940, Serial No. 368,633
13 Claims. (Cl. 219—37)



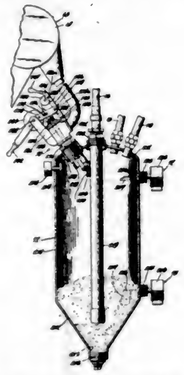
3. An electric heater, comprising: supporting means; electrical heating means mounted on said supporting means; said supporting means including an arm having an upwardly facing flat supporting surface portion slidably engaged by a portion of said heating means; said arm having a transverse aperture providing a downwardly facing surface portion spaced below said upwardly facing surface portion; a member carried by and extending downwardly from said heating means adjacent said arm; and said member having lateral extension means extending freely through said aperture and adapted slidably to engage said downwardly facing surface portion.

2,413,478
ELECTRIC HEATER
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 23, 1941, Serial No. 406,073
13 Claims. (Cl. 219—37)



2. An electric heater, comprising: supporting means; heating means mounted upon said supporting means; and holding means, comprising a slot and tongue connection between said heating means and said supporting means, said slot receiving said tongue and being larger than said tongue to permit movement of said heating means in the plane of said supporting means to accommodate for longitudinal expansion and contraction of said heating means, and said tongue being formed to hold said heating means against substantial movement toward or away from said supporting means.

2,413,479
CONVEYING OF MATERIALS
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Orefraction Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Original application December 7, 1939, Serial No. 308,002. Divided and this application August 28, 1944, Serial No. 551,561
7 Claims. (Cl. 302—53)



1. Means for conveying material by means of fluid under pressure, comprising: a tank having an inlet through which material may be received and an outlet through which material may be discharged; valve means controlling said material inlet; means adapted to lock said material inlet valve means in closed position; operating means, for operating said material inlet valve means, so constructed and arranged that it is operable to open said valve means only when said locking means is caused to release said material inlet valve means; means for introducing fluid under pressure into said tank; said tank having an outlet through which fluid under pressure may be discharged; valve means controlling said pressure outlet; means, responsive to the level of material in said tank, so constructed and arranged that said pressure outlet valve means is actuated to open position to reduce the fluid pressure in said tank to atmospheric pressure when the level of material in said tank is below a predetermined level; means responsive to the fluid pressure in said tank; and means, controlling said locking means in response to said pressure responsive means, so constructed and arranged that said locking means releases said material inlet valve means upon reduction in said fluid pressure to atmospheric pressure.

2,413,480
TAMPON APPLICATOR
Courtney P. Winter, Chambersburg, Pa., Marguerite B. Winter, executrix of said Courtney P. Winter, deceased, assignor to Sanitary Tampon Corporation, Chambersburg, Pa., a corporation of Pennsylvania
Application April 7, 1944, Serial No. 529,966
4 Claims. (Cl. 128—263)



1. In a tampon applicator, a tubular tampon container, a tampon therein provided with a withdrawal member, a thin flexible closure member comprising an end portion covering the forward end of the tampon and a tubular sleeve member extending from said forward end for the length of the container and fixed thereto, said sleeve being provided adjacent the rear end of the tampon container with an in-turned flange covering the rear end of the container and preventing said edge from contacting the mucus membranes of the vagina, said in-turned flange functioning to fix the closure member in position, said flexible end closure portion being sufficiently liquid-proof to resist the passage therethrough of vaginal fluids and the absorption of said fluids by the forward end of the tampon upon its insertion into the vagina and prior to the ejection of the tampon from its container, and means to break the closure member and eject the tampon from its container after the insertion of the latter into the vagina.

2,413,481
SHOE CONSTRUCTION
Evelyn Ziniti, New York, N. Y.
Substituted for abandoned application Serial No. 311,397, December 28, 1939. This application October 4, 1945, Serial No. 620,222
1 Claim. (Cl. 36—45)



In a shoe construction, a toe portion constructed of portions stitched together longitudinally along the top of the toe portion, said toe portion being constructed to define an upstanding beak at the forward extremity thereof, an eye in the tip portion of the beak formation, said toe portion having eyes at opposite sides of the aforementioned stitched portion, and an elongated tie element laced through the eyes at the opposite side of the stitched portion and through the eye at the tip portion of the beak formation to hold the beak formation flatly against the forward end of the stitched portion and to reinforce the stitched portion of the toe portion.

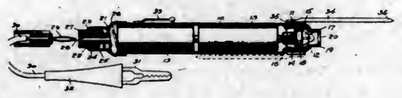
2,413,482
DIESEL TYPE FUEL
Benjamin T. Anderson, Long Beach, and Marcellus T. Flaxman, Inglewood, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 24, 1942, Serial No. 440,340
1 Claim. (Cl. 44—58)

A highly refined Diesel type fuel otherwise deficient in lubricating quality containing a small proportion of a lubricity agent soluble in said fuel, said proportion of lubricity agent being sufficient to impart lubricating characteristics to the fuel but being in an amount less than about 1%, said lubricity agent comprising an extract from a petroleum fraction boiling above about 300° F., said extract containing phenol homologs and naphthenic acids and being obtained by extracting said petroleum fraction with aqueous sodium hydroxide solution and acidifying the aqueous extract to release said phenol homologs and naphthenic acids.

2,413,483
PROCESS FOR PREPARING CHLORO-INDANTHRONES
Clarence F. Belcher, Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 7, 1943, Serial No. 497,873
3 Claims. (Cl. 260—265)

1. In the process for preparing 3,3'-dichloroindanthrone wherein a compound of the class consisting of indanthrone and 3,3'-dibromoindanthrone is reacted with chlorine gas, the steps which comprise carrying out the chlorination in a high boiling organic solvent which is inert under the conditions of the reaction containing sulfur dissolved therein, the chlorination being carried out at temperatures of from 200° C. to 260° C.

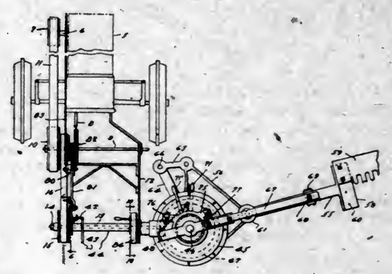
2,413,484
TEST LIGHT
Jacques Berger, Chicago, Ill.
Application September 2, 1942, Serial No. 457,036
4 Claims. (Cl. 175—183)



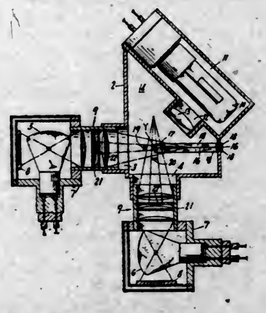
1. A circuit testing device, comprising a cylindrical holder, a cap at one end of said holder, a lamp socket and lamp mounted in said cap including a flexible lamp socket supporting the lamp and being in contact with one terminal thereof, said lamp socket having an electroconductive portion projecting along the outside of the holder, a prod comprising a split ring to embrace the cap and contact the outside portion of the lamp socket, and an axially projecting exploring blade reaching beyond the end of the holder and cap, a shade enclosing the lamp and carried by the cap consisting of translucent colored material and being provided with an opening therein for permitting light from the lamp to pass therethrough to illuminate the blade of the prod, said prod being reversible on the holder to bring the blade over the latter in the direction of the opposite end thereof, a separate contact carrying member, and means including a flexible cable to establish electrical connection between said second contact carrying member and the second terminal of said lamp.

2,413,485
RECIPROCATING-SAW MACHINE
Rush G. Brown, Riverton, Wyo.
Application October 11, 1944, Serial No. 558,177
6 Claims. (Cl. 143—63)

1. In a reciprocating-saw machine, a driven shaft, a supporting frame pivotally mounted for swinging movement about said shaft, a driving disc secured on one end of said shaft, an eccentric wrist pin carried by said driving disc, a saw propeller frame comprising a bar having an open quadrant at one end including a radius bar, a pivoted guide for said first-named bar carried by said supporting frame, a connecting rod pivoted at one end on the wrist pin and at the other end to the inner end of said first-named bar, a crank arm carried by said wrist pin and extending to a point short of and to one side of said driven shaft, said quadrant having a rigid arm projecting toward said driven shaft, a link connecting said arm to the end of the crank arm nearest the driven shaft, said wrist pin being in guiding contact with the outer side of said radius bar, and means to secure a reciprocating saw to the outer end of said first-named bar.



2,413,486
METHOD AND APPARATUS FOR DETECTING IRREGULARITIES OF FILAMENTS, YARNS, AND THE LIKE
Ivanhoe P. Denyssen, Lansdowne, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 31, 1943, Serial No. 481,302
8 Claims. (Cl. 250—41.5)



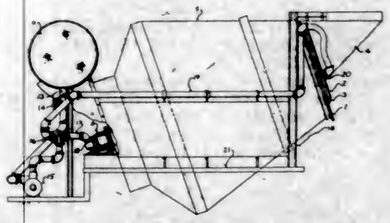
5. In apparatus for inspecting strands, a housing, apertures in opposite walls thereof to permit passage of a strand therethrough, light-responsive means in the housing having a light-receiving entrance directed to communicate with the vicinity of at least a portion of the space between said apertures, light means, means associated with the housing for directing a beam of light from the light means across said portion of the space extending between the apertures in the housing at a sufficient angle to the direction from said portion of the space between the apertures to said entrance that such light normally passes by, without entering, the light-responsive means, and means for obturating within the light beam a transverse portion thereof in alignment with the apertures to place the path of the strand in shadow so that only irregularities of a predetermined magnitude project out of the shadow into the beam.

2,413,487
BUD SHIELD
John A. Dockry, Painesville, Ohio
Application October 26, 1944, Serial No. 560,430
1 Claim. (Cl. 47—23)



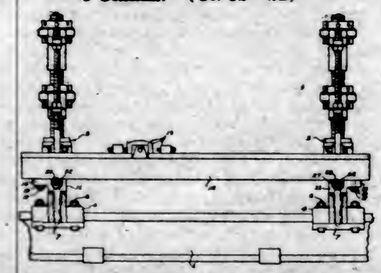
A bud shield including a relatively hard semi-cylindrical casing adapted to be secured to the side of a plant stem to overlie a bud, spaced cushioning bearing plugs positioned in the opposite ends of said casing forming a semi-cylindrical bud protecting recess, said plugs being adapted to have bearing engagement with the surface of a plant stem, and means for securing said casing to said plant stem.

2,413,488
WATER INJECTION SYSTEM FOR TRUCK TYPE CONCRETE MIXERS
Lloyd H. Draeger, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 11, 1944, Serial No. 553,500
17 Claims. (Cl. 259—168)



1. A fluid injection nozzle comprising: complementary non-yieldable inner and outer members in telescoped relation having their adjacent surfaces spaced apart to provide a fluid passage therebetween and parallel with their axes; elastically yieldable linings for said surfaces normally maintained in contact with each other to close the fluid passage subject to being opened by fluid pressure spreading the linings apart; and means for mounting said members and for conducting fluid under pressure to one end of the fluid passage.

2,413,489
ROLL LATHE
Wentzel R. Duda, Mount Lebanon, Pa.
Application August 2, 1945, Serial No. 608,537
3 Claims. (Cl. 82—21)



1. A roll lathe comprising a pair of spaced vertical housings for rotatably supporting the necks of a mill roll, said housings being adjustable toward and away from each other and each having a forward projection provided with a slot in its top extending lengthwise thereof, an adjusting screw journaled in said slot and protruding only slightly from the front end of the slot to provide an end for turning the screw manually, a non-rotating nut mounted on the screw in the slot and provided with a lug on top, a beam resting slidably on said projections and provided in its bottom with a slot extending lengthwise thereof receiving said lugs, whereby turning of said screws will cause said lugs to adjust the beam lengthwise of the housing projections, and means on said beam for holding a tool against said roll.

2,413,490
FIXED TEMPERATURE RESPONSIVE DEVICE



Francis C. Evans, Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Original application April 15, 1939, Serial No. 267,965. Divided and this application October 21, 1944, Serial No. 559,818
8 Claims. (Cl. 177—355)

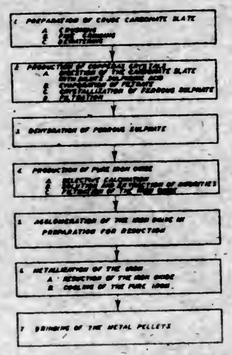
3. A fixed temperature fire detecting device comprising a heat collecting member having an outlet and enclosing a chamber, a closure within said chamber for preventing the escape of gas from said chamber and means within said chamber adapted to open said closure comprising a bimetallic disc adapted to flex upon the occurrence of a predetermined temperature to thereby allow the escape of accumulated heat-generated gas pressure.

2,413,491
COATED HYGROSCOPIC SALTS
Edgar Fajans, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 13, 1944, Serial No. 530,941. In Great Britain December 2, 1942
4 Claims. (Cl. 23—103)

1. A process which comprises mixing a granular hygroscopic salt with a moisture-proofing agent consisting essentially of a spreading oil of low volatility having spreading pressure in excess of 20 dynes per centimeter, and paraffin wax, whereby the surface of the particles of the salt become coated with the said moisture proofing agent, said spreading oil having a mineral lubricating oil as its chief constituent and being a solution of barium oleate in the said mineral oil.

2,413,492
METHOD OF PRODUCING IRON OXIDE AND FOR PRODUCTION OF POWDERED IRON
Charles V. Firth, Minneapolis, Minn., assignor to Continental Machines, Inc., a corporation of Minnesota
Application April 17, 1944, Serial No. 531,324
5 Claims. (Cl. 23—200)

1. In the hereindescribed process of producing iron powder of exceedingly high purity suitable for powder metallurgy from a low grade iron ore wherein the iron appears chiefly as iron carbonate and which contains objectionable quantities of manganese, magnesium, calcium and aluminum, the steps of: digesting the ore with sulphuric acid so as to produce water soluble sulphates of iron, and the said non-ferrous metals present in the ore; evaporating the sulphate solution under such conditions that evaporation is terminated with the solution at approximately 65° C. and approximately 30% iron sulphate concentration; crystallizing ferrous sulphate heptahydrate from

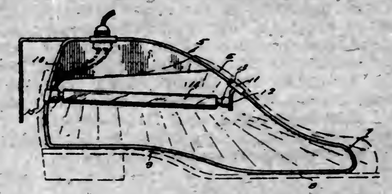


the solution while cooling said solution from said approximate temperature of 65° C., but terminating the crystallization before more than approximately 70% of the ferrous sulphate has crystallized; removing the formed crystals and such sulphates as adhere thereto, from the mother liquor; calcining the removed crystals in an oxidizing atmosphere and at a temperature insufficient to decompose the sulphates of said non-ferrous metals, but sufficient to decompose the iron sulphate; and washing the sulphates of the said non-ferrous metals out of the ferric oxide resulting from calcination in an oxidizing atmosphere.

2,413,493
SYNTHESIS OF ISOMER-FREE BENZYL METHYL ACETOACETIC METHYL ESTER
Alvin C. Flisik, Haverstraw, Leonard Nicholl, Nyack, and William P. Bitler, Haverstraw, N. Y., assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y., a corporation of New York
No Drawing. Substituted for abandoned application Serial No. 410,575, September 12, 1941. This application June 3, 1943, Serial No. 489,500
4 Claims. (Cl. 260—476)

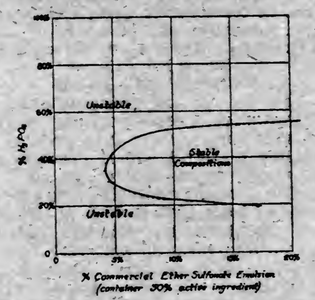
1. In the preparation of isomer-free benzyl methyl acetoacetic methyl ester from mono-sodium acetoacetic methyl ester, the improvements comprising initially reacting stoichiometric amounts of the mono-sodium derivative of acetoacetic methyl ester and methyl halide in an excess of anhydrous alcohol and at temperatures from room temperature up to 90° C., to form methyl methyl acetoacetic acid ester, and then adding the so formed methyl ester to benzyl chloride over a period of two hours while maintaining the temperature of the reacting materials at 48–53° C., then allowing the mixture to stand for several hours to reach room temperature, distilling off excess alcohol until liquid temperature of 83° C. is reached, cooling the residual reaction product including benzyl methyl acetoacetic methyl ester to 20° C., adding excess water to dissolve out salt, purifying the oily reaction product with caustic soltion and water, then fractionating to remove excess benzyl chloride.

2,413,494
SHOE STERILIZER
Marion F. Fortney, Charleston, W. Va.
Application April 18, 1944, Serial No. 531,655
2 Claims. (Cl. 250—51)



1. A shoe sterilizer adapted to be inserted within a shoe including laterally extending spaced frame elements shaped to approximate the inside contour of a shoe, transversely extending reinforcing connections between said frame elements, electric sockets supported by said connections, an ultra-violet tube between said sockets, and a combined reflector and guard supported by the upper portion of said sterilizer frame elements to overlie said tube to direct the rays therefrom downwardly into the interior of the shoe and to completely fill the shoe opening to guard against injury to the eyes of the person operating the sterilizer by the rays of said tube.

2,413,495
PHOSPHORIC ACID DETERGENT COMPOSITION
Charles P. Given, Washington, D. C., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia
Application March 30, 1943, Serial No. 481,123
1 Claim. (Cl. 252—136)

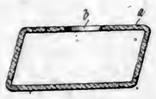


A detergent composition comprising an aqueous solution of phosphoric acid containing an aqueous emulsion of di-isobutyl phenyl diglycol ether sulfonate, and triamylamine, characterized by high non-corrosive property towards metals due to the synergistic corrosion inhibiting property of the ether sulfonate and triamylamine, one hundred percent by weight of the composition comprising from 4% to 15% of the ether sulfonate emulsion, from 20% to 53% of H_3PO_4, and from about 0.1% to 9.3% of triamylamine, the ether sulfonate emulsion containing 30% of the ether sulfonate.

2,413,496
PRODUCTION OF VINYL CYANIDE
Howard Donovan Green, Pasadena, and Donald Stinson Taylor, Monrovia, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 4, 1944, Serial No. 543,490
9 Claims. (Cl. 260—464)

1. In a process for the production of vinyl cyanide, which comprises reacting hydrocyanic acid with acetylene in the vapor phase at a temperature of 350 to 700° C. in the presence of a solid catalyst for the reaction comprising a compound selected from the group consisting of alkali metal cyanides and alkali metal compounds capable of reacting with hydrocyanic acid to form alkali metal cyanides, the improvement which consists in adding a relatively small amount of water vapor to the reaction mixture.

2,413,497
FORM FOR USE IN BUILDING SELF-SEALING CONTAINERS FOR GASOLINE, ETC.
Roy D. Heymann, New Hartford, Conn., assignor, by mesne assignments, to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application June 12, 1943, Serial No. 490,578
3 Claims. (Cl. 18—45)



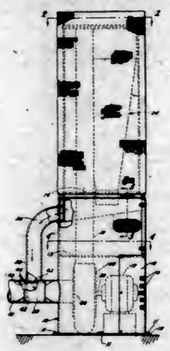
1. A form for use in the manufacture of self-sealing tank cells, consisting of a unitary hollow body of felted fibers such as are suitable for making paper.

2,413,498
MOLDING PROCESS
Julian W. Hill, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 6, 1944, Serial No. 525,307
4 Claims. (Cl. 18—55)

1. A process for obtaining shaped articles from tetrafluoroethylene polymer which comprises mixing the polymer with another organic film-forming material which decomposes at a temperature of from 350° C. to 500° C., said organic film-forming material being present in an amount of from 10% to 75% of the combined weight of said tetrafluoroethylene polymer and said organic film-forming material, forming the mixture thus obtained into the shape of the desired article, heating the shaped mixture to a temperature of from 350° C. to 500° C. and continuing said heating until said polymer coalesces.

2,413,499
UNIT DUST COLLECTOR
Charles S. Hulton, Cincinnati, Ohio, assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application April 7, 1945, Serial No. 587,114
9 Claims. (Cl. 183—36)

1. A unit dust collector comprising a hollow base having a top bulkhead, a primary dust separator supported on top of the bulkhead and having a dust outlet at the bottom extending downwardly through said bulkhead into the base, said separator comprising a top plate providing an air outlet at the top of the separator and overhanging a substantial portion of the bulkhead, a tubular filter member connected at its top to said plate and at its bottom to said bulkhead inwardly of the periphery of the bulkhead and encircling said separator in closely spaced relation, an inverted filter bag having the mouth portion



removably secured peripherally to the periphery of said bulkhead and enclosing said tubular filter member in closely spaced relation, the air outlet of the primary separator discharging into the space between said top plate and said filter bag and an elbow conduit passing in non-communicating relation through the interior of the base and venting the space between the exterior of the primary separator and the interior of the tubular filter member to the atmosphere.

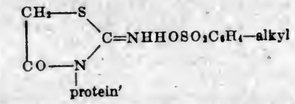
2,413,500
LAMINATED STRUCTURE
Fred E. Hummel, Hopewell, Va., assignor to Hummel-Ross Fibre Corporation, Hopewell, Va., a corporation of Virginia
Application January 22, 1945, Serial No. 573,982
1 Claim. (Cl. 154—43)



A structure having a laminated body formed from layers of paper united by films of adhesive, each layer having a multiplicity of closely spaced holes formed from opposite sides of the paper and extending through each of said layers and arranged substantially throughout the areas thereof, the paper material displaced by forming said holes being split about the said holes and the split portions being integrally retained about the openings and forming flattened roughened areas, whereby the adhesive extends as columns through said holes and is absorbed into the walls thereof and into the said displaced paper material so that said layers at and about said holes have the greatest concentration of adhesive, such high adhesive concentrations and flattened roughened areas producing a multiplicity of adhesive unions throughout the areas of the layers which act as barriers to prevent delamination of the layers.

2,413,501
ARTIFICIAL FIBERS FROM GLOBULAR AND FIBROUS PROTEINS
Oskar Huppert, New York, N. Y.
No Drawing. Application February 12, 1945, Serial No. 577,593
3 Claims. (Cl. 260—119)

1. As a new article of manufacture, a fiber consisting of an alkyl-benzene-sulfonic acid salt of a pseudothiohydantoin, substituted in position 3 by a protein radical selected from the group consisting of phospho-proteins, globulins and prolamines, having the formula:



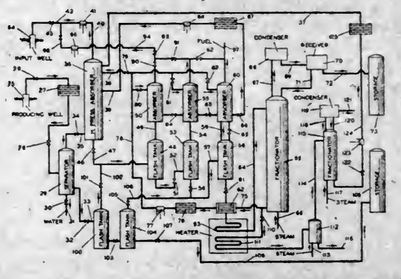
wherein protein' represents the residue of a protein molecule after removal of NH_2— therefrom.

2,413,502
FOUNDATION GARMENT
Hulda M. Ihsen, Allentown, Pa., assignor to Charis Corporation, a corporation of New York
Application December 20, 1945, Serial No. 636,091
5 Claims. (Cl. 2—30)



1. In a foundation garment the construction which comprises a plurality of shaped fabric panels joined together to form a circumferential foundation garment, a brassière member attached in part to upper portions of such panels but without attachment along the bottom front edge of said brassière member, a plurality of boned members set in seams in the back and side panel members and running continuously longitudinally and in spaced relation from the base of said panels to the top of said panels, a front portion of the garment comprising a front panel member and a plurality of shorter superimposed panels attached to such panel member along its sides so that they lie across each other inwardly over front portions of the garment, the superimposed panels carrying spaced boned members set in substantially longitudinal pockets so arranged that the boned members on each half of one panel layer are parallel to but just offset from corresponding boned members in another panel layer, one of such panel layers being relatively short and so placed in the garment that it extends from just below the bust line of the wearer downwardly approximately one-fourth of the length of the front panel, and another of such panel layers being somewhat longer and so placed in the garment that it extends from approximately above the waistline of the wearer downwardly approximately below the groin line of the wearer, the front panel member itself being so cut that it extends at the center front portion from a point intermediate the bust downwardly to a point below the hips, and strap members attached at the upper center front portion of the front panel member and also attached at the top of the brassière member and being adapted to fit over the shoulders of the wearer of the garment and terminating by attachment at the back of the garment.

2,413,503
ABSORPTION PROCESS
Donald La Verne Katz, Ann Arbor, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 28, 1942, Serial No. 436,647
3 Claims. (Cl. 196—8)

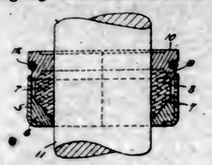


1. A process for separating desirable constituents from condensate well gaseous effluent within the range of 3000–6000 pounds per square inch which comprises the steps of contacting the gas at a first point with a first absorber oil of average molecular weight approximately 180 to 280 to absorb the desirable constituents therefrom, further contacting the gas at a second point with a second absorber oil of low viscosity and average molecular weight about 300–600 to remove vapors of the first absorber oil, the first absorber oil and the second absorber oil becoming mixed at said first point of contacting, stripping the absorbed desired constituents from the mixed absorber oil, returning a portion of said stripped mixed absorber oil to the first contacting step, diverting the remaining portion of the stripped mixed absorber oil and separating it into a heavy residue and low boiling constituents, passing said low boiling constituents to a fractionator and therein separating lower boiling constituents from the low viscosity high boiling absorbent and passing the latter to the further contacting step as said second absorber oil.

2,413,504
PISTON ROD PACKING RETAINER RING
George T. Kemmerling, St. Paul, Minn.
Application October 20, 1943, Serial No. 507,041
3 Claims. (Cl. 286—20)

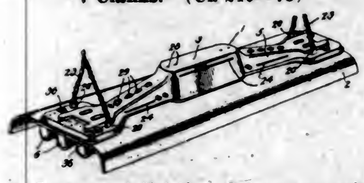
1. A rod packing comprising a sectional body portion adapted to be fitted around a piston rod, a split ring member having a beveled surface, fitted within the body portion, a split packing member having beveled overlapping ends, fitted within the body portion and having a beveled surface cooperating with the beveled surface of the split ring member, a packing retaining ring

embodying sections, fitted around the piston rod and engaging said packing member, yieldable means for urging the sections of the packing



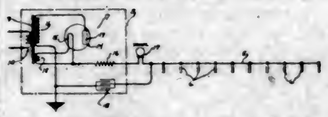
retaining ring toward the piston rod, and retaining members connecting the sections of the packing retaining ring, securing the sections of the packing retaining ring against displacement.

2,413,505
FLUORESCENT LIGHTING FIXTURE
John W. Kilduff, Amesbury, and René G. Maurette, Beverly, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application March 6, 1944, Serial No. 525,286
7 Claims. (Cl. 240—78)



1. A fluorescent lighting fixture comprising a chassis of sheet metal open at its bottom, a reflector, means for detachably securing the reflector against and serving to close the bottom of the chassis, a chamber in the chassis situated midway of its length, adjoining end sections of reduced cross sectional size tapering in depth outwardly and expanded laterally at their outer portions to receive a plurality of lamp sockets: a flat top reenforcing rib extending lengthwise substantially the full length of each of said end sections, said ribs being of less width than and raised above the general plane of the top wall of said end sections.

2,413,506
ELECTRIC FENCE
Stanley G. Klumb, Milwaukee, Wis.
Application May 4, 1936, Serial No. 77,830
5 Claims. (Cl. 256—10)

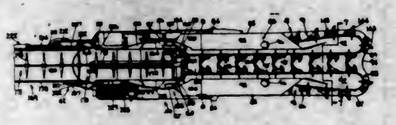


1. An electric fence, comprising the combination with an electrically conducting fence wire insulated from a return conductor to form an open fence circuit: of a condenser operatively connected with the fence wire and return conductor for effecting energization of the fence wire by discharge of the condenser whenever an animal comes in contact with the fence wire and return conductor so that the animal receives a highly effective shock of relatively short duration as a result of the condenser discharge; a source of uni-directional pulsating E. M. F. connected with the condenser for charging the condenser to a high value; and means for preventing an effective charge from being impressed upon the fence wire after discharge of the condenser so that the next effective charge on the fence wire occurs only after recharging of the condenser to said high value.

2,413,507
PROCESS FOR THE MANUFACTURE OF DIBENZANTHRONYLS
Henry R. Lee, Pitman, N. J., and Edward T. Howell, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 27, 1946, Serial No. 657,612
2 Claims. (Cl. 260—363)

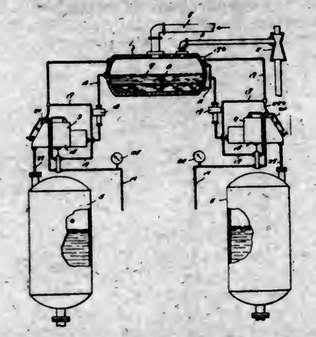
1. In the process for preparing Bz-1:Bz-1'-dibenzanthronyl and its halogen and methyl derivatives wherein condensation of the benzanthrone compound is effected by means of an oxidizing agent, the step which comprises carrying out the condensation of the benzanthrone compound in an alkyl sulfuric acid of the class consisting of methyl sulfuric acid and ethyl sulfuric acid, the reaction being carried out at temperatures of from −5° to 20° C.

2,413,508
MINING LOADING MACHINE
Nils D. Levin, Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application October 22, 1937, Serial No. 170,426. Divided and this application October 22, 1943, Serial No. 507,315
11 Claims. (Cl. 198—11)



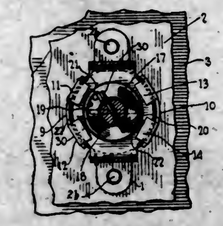
1. In a digging and loading machine, the combination with a frame, traction means for supporting and feeding said frame rectilinearly, conveyor mechanism mounted on said frame and having a laterally swingable discharge boom extending rearwardly of said frame for discharging coal into a receptacle, means for digging and gathering coal and delivering it to said conveyor, said means including a gathering boom having a bottom plate, a pair of laterally spaced chain guiding means mounted on said plate and spaced apart to provide a material conveying way between them of substantially uniform width, endless chains, one on each of said guiding means for conveying coal rearwardly along said way, a plate fixed to said frame against tilting movement and forming an extension of said bottom plate and over which said chains travel and convey said coal, delivering it from said fixed plate to said conveyor, drive shafts, one for each of said chains, mounted on fixed axes relative to said fixed plate and extending upwardly and each having a chain driving sprocket at its upper end, coal digging and gathering means carried by said chains including removable bits connected to said chains, means mounting said gathering boom for swinging movement relative to said frame about a horizontal axis adjacent said fixed plate, power operated means for swinging said gathering boom about said horizontal axis, and means for swinging said gathering boom laterally.

2,413,509
LIQUID SEPARATOR TANK HAVING MEANS FOR DRAWING A VACUUM ON THE TANK AND HAVING DISCHARGE MECHANISMS FOR CAUSING A FLOW OF LIQUID THERETO FROM THE SEPARATOR TANK
Coyne G. Lord, Wilmington, Del.
Application September 18, 1945, Serial No. 617,054
6 Claims. (Cl. 210—51)



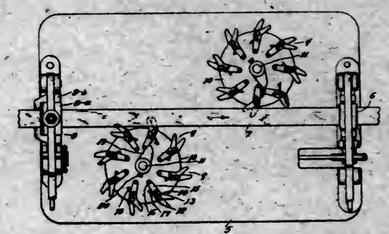
1. A separator for a plurality of immiscible liquids comprising a receiving tank, means for drawing a vacuum on said receiving tank, and discharge mechanisms which are so constructed as to remove each of said liquids from said receiving tank for delivery to any desired point, said discharge mechanisms comprising discharge tanks, means for drawing a vacuum on said discharge tanks for causing flow of liquid thereto, discharge valves on said discharge tanks for delivery of liquid therefrom, inlet air supply sources, inlet air valve means for allowing air to pass into said discharge tanks for permitting liquid to flow therefrom, means opening said inlet air valve as the liquid level in said discharge tanks reaches a predetermined elevation, and check valves between said discharge tanks and said receiving tank.

2,413,510
FASTENER
Richard W. Luce, Southport, Conn.
Application March 25, 1942, Serial No. 436,117
23 Claims. (Cl. 24—221)



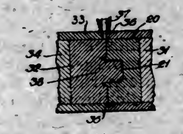
3. A device of the kind described comprising in combination a base adapted to be secured to one of two members to be fastened together, the base having an opening therethrough to receive a fastener, and a member secured to the base and having limited movement with respect thereto in all lateral directions, said member including an inclined fastener engaging surface for engaging a fastener entered therein and resilient members overlapping the inclined surface for engaging an element of a fastener riding on the inclined surface.

2,413,511
CUTTING MACHINE
Louis V. Lucia, West Hartford, Conn.
Application November 29, 1943, Serial No. 512,223
21 Claims. (Cl. 26—7)



1. In a machine for Venetian blind tape including adjacent strips connected by cross threads, means for moving said tape through said machine, and cutting means including a plurality of cutters in mesh with said cross threads and operated thereby for cutting said cross threads while rotated about an axis.

2,413,512
PROCESS OF PRODUCING DIES FROM POWDERED METALLURGY
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application March 24, 1943, Serial No. 480,289
2 Claims. (Cl. 76—107)

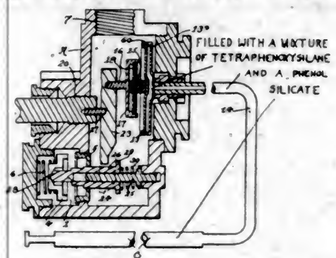


1. The method of producing duplicate dies employed for forming die cast products which comprises the steps of first producing a die cast templet die part of the impression surface of an original die part, then using this templet die part in forming a powdered metal die part having an impression surface corresponding to the impression surface of the original die part, then subjecting the powdered metal die part including the templet die part to a high temperature to sinter the powdered metal die part and melt the templet die part, and then hardening said sintered powdered metal die part.

2,413,513
LIQUID PRODUCT AND THERMOSTATIC DEVICE EMBODYING SAME
Vaughan Morrill, Jr., St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application October 26, 1943, Serial No. 507,764
2 Claims. (Cl. 297—3)

2. In a thermostatically operated device for use over a wide range of temperature from a low of at least 0° F. to a high of approximately 800° F., a bulb in the zone of heat, an expansive and contractible chamber, a conduit interconnecting the bulb and chamber, said thermostatic medium comprising a liquid product characterized by remaining stable over a range of from 0° F. to 800° F. and being noncorrosive to stainless steel, iron, copper or brass, said liquid product consisting essentially of a mixture of tetraphenoxysilane and

a phenol silicate selected from the group consisting of $Si_4O_4(C_6H_5O)_8$ and phenol silicates having a boiling range of 400° to 850° F. and falling

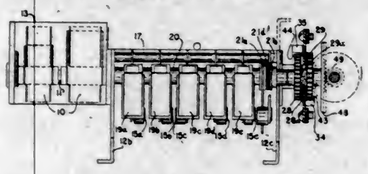


within the general formula $Si_nO_{n-1}(C_6H_5O)_{2n+2}$ where n is greater than 1, the phenol silicate component comprising from 5 to 50% of said liquid product.

2,413,514
PREPARATION OF VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES
Melvin A. Perkins, Wilmington, and Paul R. Johnson, Claymont, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 5, 1942, Serial No. 464,652
3 Claims. (Cl. 260—265)

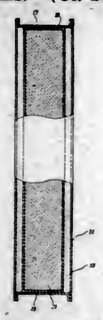
2. In the process for preparing 3,3'-dichloroindanthrone by direct chlorination of indanthrone wherein some mono-chlorinated material is to be separated from the dichloroindanthrone but wherein no trichloroindanthrone is present, the steps which comprise dissolving the chlorination mass in concentrated sulfuric acid, precipitating the 3,3'-dichloroindanthrone by reducing the acid concentration to from 85% to 90% and separating the precipitated 3,3'-dichloroindanthrone from the acid solution of the impurities.

2,413,515
CONTROL APPARATUS FOR TUNING RADIO RECEIVERS
Alexander W. Plensler, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 24, 1944, Serial No. 532,443
27 Claims. (Cl. 74—10)



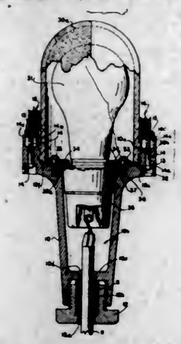
1. In radio tuning apparatus which includes a tuning shaft rotatable through a desired tuning range and a plurality of tuning selector elements carried by said shaft and releasably restrained against movement relative to said shaft; a manually operable element, means supporting said element for two characteristic types of movement, means for rotating said shaft to any setting within said range in response to a corresponding movement of said manually operable element of one of said types, and means responsive to movement of said manually operable element of the other of said types for releasing said selector elements for movement relative to said shaft.

2,413,516
SHEATHING MATERIAL
Carl D. Pratt and James A. Farr, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application April 20, 1944, Serial No. 531,888
10 Claims. (Cl. 102—24)



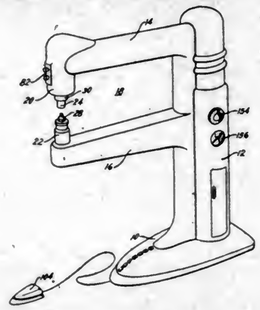
1. A sheathing composition for explosive cartridges comprising a flame suppressing chemical and expanded perlite.

2,413,517
PORTABLE LAMP
Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind., a corporation of Indiana
Application October 30, 1943, Serial No. 508,273
3 Claims. (Cl. 240—54)



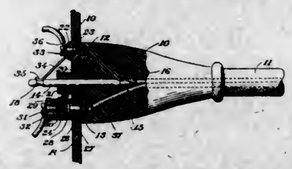
1. In a portable lamp, a handle formed of hard insulating material which is capable of transmitting mechanical shock and vibration, said handle having a socket receiving opening extending longitudinally thereof and an annular recess around the mouth of said opening, a flexible washer filling said recess, a lamp socket provided with a flange portion seated upon said washer and supported within said opening solely by said washer, whereby the transmission of mechanical shock and vibration through said handle to said socket is minimized, a second flexible washer partially overlying said first-named washer and snugly embracing the periphery of said socket flange, and means including said second washer for clamping said socket to said handle through said first-named washer.

2,413,518
METAL FORMING MACHINE
George D. Rechton and Jack H. Watson, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application June 18, 1943, Serial No. 491,410
14 Claims. (Cl. 153—21)



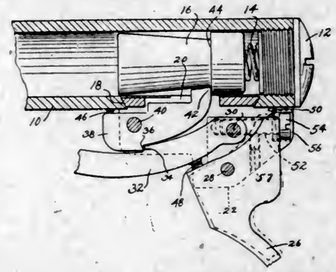
1. In a metal forming machine, the combination of: an upper automatic-cycle pneumatically operated hammer gun having a stationary cylinder and a piston hammer slidably engageable therewith and arranged to deliver percussive blows; a limitedly vertically reciprocatable first die arranged to receive the blows of said hammer and to have contact engagement with a work piece when in its uppermost position; a stationary lower die support; a die holder reciprocatively movable on said support; a second die on said die holder; means for elevating said die holder relative to said support to a position such as to press a work piece between said dies; means responsive, upon said elevation, to the pressure between the dies for initiating the automatic cycle of the hammer gun to cause the gun hammer to strike the first die.

2,413,519
ELECTRICAL PLUG AND SOCKET CONNECTION
Harry Wilbur Reed, Cincinnati, Ohio
Application November 15, 1943, Serial No. 510,345
1 Claim. (Cl. 173—330)



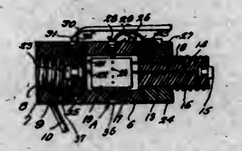
In an electrical connection, the combination of a plug body, a prong protruding from the outer end of the body and having its inner end connected with a conductor in the plug, a contact ring fitted in a groove in the said outer end of the plug and disposed concentrically of the prong, the said contact ring being electrically connected with a second conductor in the plug and having its outer edge exposed with relation to the outer end of the plug, a receptacle plate having a passage adapted to slidably receive the prong therethrough, a groove adjacent the end of said prong, a contact bar mounted on the plate in contact with a conductor, the outer end of the said contact bar being disposed to make resilient contact with the groove in the prong by reason of the arcuately, bent outer end portion of said bar, a contact pin mounted to slide transversely of the plate within an opening therein, a spring mounted on the plate disposed to yieldingly project the pin so that its outer end protrudes therefrom for engagement with the contact ring, and means electrically connecting the said pin with a second conductor on the receptacle.

2,413,520
TRIGGER STOP FOR FIREARMS
Eugene G. Reising, Hartford, Conn.
Application December 19, 1944, Serial No. 568,852
2 Claims. (Cl. 42—69)



1. A firearm comprising a receiver, a hammer therein, a U-shaped trigger housing depending from the receiver, the closed end of the U being secured thereto, a sear pivoted to the trigger housing, a trigger pivoted between the legs of the U, a lever pivoted to the trigger for motion of the former by the latter, said lever having a disengageable connection with the sear, a trigger spring urging the trigger toward non-firing position, and a headed bolt threaded into the trigger housing in position for the trigger to contact the underside of the head of the bolt to adjustably limit the motion of the trigger under influence of the spring.

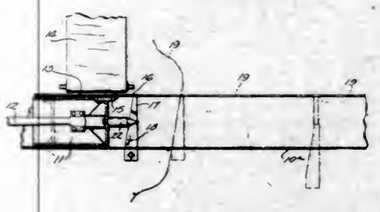
2,413,521
TESTING DEVICE ADAPTER FOR CONVENTIONAL FLASHLIGHTS
Charles Roskilly, Burbank, Calif.
Application July 2, 1942, Serial No. 449,479
1 Claim. (Cl. 175—183)



A testing device adapter for a conventional flashlight, comprising, a dielectric body, a central chamber therein, a reduced portion at one end of said body, a recessed metal socket and a cooperating base electrode therefor at the other end of said body, a light bulb mounted in series with said base electrode and said metal socket, a conductive ferrule embracing an outward portion of said reduced portion, a rotatable member embracing an inward portion of said reduced portion, a housing in said central chamber, a plurality of resistances in said housing and connected each, at one of their ends, to one of a first set of contact studs, a test prod connected to said metal socket, con-

ductors connecting said base electrode to the other end of said resistances, a second set of contact studs, a conductor connecting a portion of said second set of studs to said ferrule, a central electrode carried by said reduced portion and connected to the remainder of said second set of studs, a two-pronged switch fixedly secured to said rotatable member, said first and second set of studs being circumferentially spaced about said body, each in the path of travel of a prong of said switch, whereby rotation of said switch will place predetermined resistances in series with said central electrode, said light and said test prod, producing predetermined test circuits when the device is mounted in the conventional bulb socket of a flashlight.

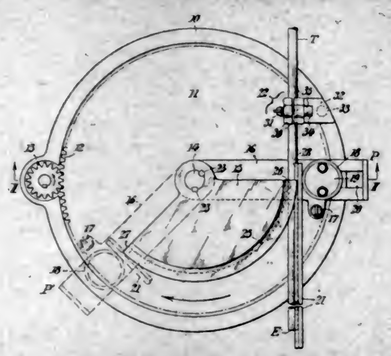
2,413,522
BALING MEANS
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application July 26, 1943, Serial No. 496,138
2 Claims. (Cl. 100—19)



1. In a baler, the combination of a baling chamber, a plunger therein, means for feeding material to be baled into the chamber for compression by said plunger, spaced slotters adapted to be inserted at intervals into the chamber for separating the resulting bales and a punch rigidly mounted on said plunger positioned to penetrate the material being baled at a position between said spaced slotters, said punch projecting at all times from the face of said plunger and being of a length to pass entirely through one feed of material, and to penetrate at least partway through a previous feed whereby repeated strokes of said plunger and punch result in a continuous opening through each bale and which opening remains when the bale is removed from the machine.

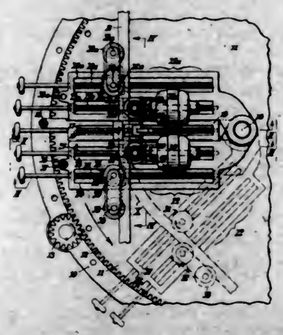
2,413,523
BENDING MACHINE
Ralph M. Shaw, Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 17, 1943, Serial No. 502,737
1 Claim. (Cl. 153—46)

A machine for spirally bending bars, tubes or the like, comprising in combination a stationary die member in the form of a sector having a relatively deep inclined groove in its peripheral edge; a complemental movable die member in the form of a straight elongate shoe having a longitudinal ridge for snug engagement within the outer edge limits of the inclined groove of the stationary die member to jointly form an opening conformatory with the cross-section of the bar or tube to be bent; a holder comprising a split-clamp and a pivotal supporting-block, said split-clamp having a projection slidably engaging a vertical slot in the supporting-block, thus enabling swiveling and vertical movement of the holder while positively restraining endwise movement of the bar or tube during the bending operation; and a follower roller movable in a circular orbit con-



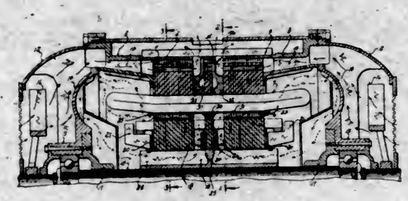
centric with the edge of the stationary die member, whereby the elongate shoe assumes different angular positions tangential to the peripheral edge of the stationary die member and progressively depresses the bar or tube into the inclined groove of said stationary die member.

2,413,524
BENDING MACHINE
Ralph M. Shaw, Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 9, 1943, Serial No. 505,634
16 Claims. (Cl. 153—46)



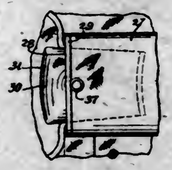
1. In a machine for bending bars and the like, an arm movable about a fixed fulcrum; more than two rollers supported by the arm to one side of said fulcrum and relatively adjustable directly along said arm to engage opposite sides of the bar at diagonally related points, as considered with respect to the fulcrum, with one of said rollers serving as a backing means beyond the others and also to confine the bar to its original plane; quick-release holder means for fixedly supporting the bar during the bending operation; and means operatively-coordinated with one of the rollers aforesaid for moving the arm about its fulcrum relative to said holder means.

2,413,525
TOTALLY ENCLOSED DYNAMOELECTRIC MACHINE
Harold L. Smith, Milwaukee, Wis., assignor to The Louis Allis Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 10, 1944, Serial No. 521,758
5 Claims. (Cl. 171—252)



1. In a dynamoelectric machine: a stator having a laminated core; a rotor having a laminated core revolving within the stator core; means coacting with the stator core to form a totally closed inner chamber confining the rotor core and the inner portion of the stator core; means defining an inner axial air passage through the rotor; means defining axial air passages extending through the inner peripheral portions of the stator core; means medially of the ends of the cores including a ring member confined between laminations of the rotor core for blocking said axial air passages and thereby isolating the air within one end of the inner chamber from the air in the other end thereof; and means on the rotor core defining radial air passages connecting said inner axial air passage of the rotor core with the axial air passages of the stator core to enable the circulation of air through said connected axial and radial air passages.

2,413,526
REMOVABLE PAD FOR SPORT SHIRTS AND JACKETS
Charles Solomon, New York, N. Y.
Application October 23, 1944, Serial No. 559,908
1 Claim. (Cl. 2—268)



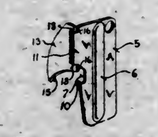
A shirt or similar garment comprising a front opening down the middle, a back, a collar, two sleeves, a strip connecting said front, back, sleeves and collar, said strip forming the shoulder portions of said garment, a lining for said strip disposed adjacent the under surface thereof and terminating at points adjacent said sleeves, said lining being spaced from said strip except at the longitudinal edges, said longitudinal edges being stitched to said lining thereby forming an opened ended channel, a removable shoulder pad disposed in each end of said channel, each of said pads having a portion thereof extending beyond said strip and into the sleeve portion of said garment, and means releasably securing said pads in said channel.

2,413,527
REMOVABLE SHOULDER PAD FOR SHIRTS
Charles Solomon, New York, N. Y.
Application March 10, 1945, Serial No. 582,031
1 Claim. (Cl. 2—268)



A shirt comprising a front portion, a back, a yoke connecting the front portion and back, a collar at the middle of said yoke, sleeves connected to said front portion, back and yoke, said yoke having two superposed spaced layers of cloth connected along their side edges but unconnected with each other at their outer ends adjacent said sleeves, thereby providing end pockets adjacent said sleeves, a removable shoulder pad in each of said pockets and extending partially into each of said sleeves to cover the junction of the sleeves and shirt.

2,413,528
POCKET TYPE CAN OPENER
John W. Speaker, Milwaukee, Wis.
Application March 16, 1945, Serial No. 583,027
4 Claims. (Cl. 30—22)

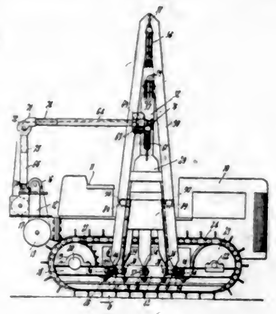


3. A can opener comprising: a body member providing a handle; a blade member; means hingedly connecting said members in a manner enabling the blade member to be swung from an inoperative position folded flat against the body member to an operative position substantially perpendicular to the body member, said hinge connection comprising a curled lip on one of said members providing a tubular hinge part, the other of said members having a pair of arms projecting from one edge thereof and spaced to receive the tubular hinge part lengthwise therebetween, and means on said arms entering the tubular hinge part; and a slight protrusion on an end of the curled lip so positioned that the adjacent arm rides up and over the protrusion during swinging of the blade member to inoperative position, whereby said protrusion holds the blade member against accidental displacement from its inoperative position.

2,413,529
TRACTOR CRANE
Robert Casper Swaney, Newton, Mass., assignor of one-fourth to Laura B. Swaney, one-fourth to Laura B. Swaney, as guardian of C. Barnett Swaney, one-fourth to Laura B. Swaney, as guardian of Mary Jane Swaney, all of Newton, Mass.
Application November 6, 1944, Serial No. 562,138
28 Claims. (Cl. 212—8)

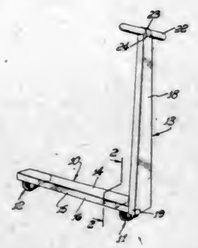
1. A tractor crane comprising the combination with a tractor having traction units connected with the tractor to swing about a horizontal axis,

of a mast and boom supported by a frame member of one of the traction units exclusively, with the boom pivoted to swing laterally with respect to the tractor, a connector between the head of the mast and the frame of the traction unit at



the opposite side of the tractor from the beforementioned unit, hoisting means mounted on the tractor, and cables leading from said hoisting means to the mast and boom for raising and lowering loads and for swinging the boom.

2,413,530
SCOOTER CONSTRUCTION
William W. Taylor, San Marino, Calif.
Application November 7, 1944, Serial No. 562,319
5 Claims. (Cl. 280—87.04)

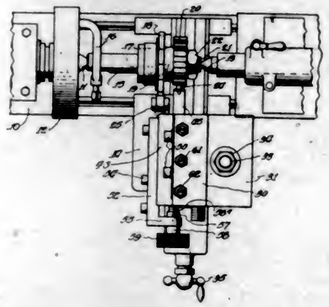


1. A scooter-type vehicle comprising top and bottom interfitting channels forming a base, said channels being reversely positioned with their side flanges interengaged, forward and rear pairs of wheels connected to the under side of said top channel beyond the ends of the bottom channel, and a post at the forward end of the base.

2,413,531
PROCESS FOR PREPARING ZINC SALTS OF ARYL MERCAPTANS
John J. Verbanc, Tuxedo Park, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 16, 1944, Serial No. 563,806
6 Claims. (Cl. 260—429)

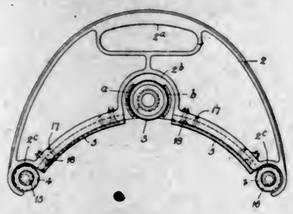
1. The process for preparing zinc salts of aromatic mercaptans of the benzene and naphthalene series which comprises reacting the mercaptan, which carries no other functional group, with zinc oxide in an inert organic reaction medium at temperatures of from 10° to 250° C.

2,413,532
CUTTER FORMING DEVICE
Herman C. Vizents, Chicago, Ill.; Lillian Vizents, administratrix of said Herman C. Vizents, deceased, assignor to Edwin H. Sigman, Chicago, Ill.
Application June 20, 1942, Serial No. 447,831
1 Claim. (Cl. 82—19)



A tool holder comprising a support, a slide in one side of the same and longitudinally yieldable, the slide having a pocket in its outer side, a tool seated in said pocket and having a number of longitudinally-spaced slots, and screws directed into the slide by way of the slots, the heads of the screws bearing against the outer face of the tool to clamp the same to the slide when the tool is longitudinally adjusted within the limits of the slots.

2,413,533
SCREW-THREAD GAUGE
John Ernest Wainwright, Hunningham, near Leamington Spa, and Morgan Jellis, Peterborough, England, assignors to Coventry Gauge & Tool Company Limited, Fletchamstead, Coventry, England
Application May 17, 1943, Serial No. 487,320
In Great Britain June 27, 1942
2 Claims. (Cl. 33—199)



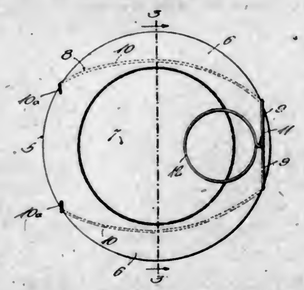
2. A gauge for the purposes described comprising a gauge body, shoes carried thereby to contact the work for locating the gauge in gauging position on the work, said shoes being formed with portions of screw-threads of the same pitch and sense as that of a screw-thread on the work, and a gauging roller rotatably mounted in the gauge body and having gauging sectors around its periphery adapted on rotation of said roller for successive engagement with the work, each of said sectors being of progressively increasing radius in the direction in which the roller is rotated for gauging purposes, one of said sectors being formed with annular serrations of full screw-thread form and the other sector with annular serrations adapted for gauging the effective diameter of a screw-thread, said locating means and gauging roller being arranged to make contact over a portion only of the complete periphery of the work at each gauging operation.

2,413,534
SOCK LINING
Carlisle V. Watson, Auburn, Maine, assignor to Henry G. Lumbard, Auburn, Maine
Application June 2, 1944, Serial No. 538,380
1 Claim. (Cl. 36—71)



An improved form fitting sock lining for a shoe having an insole presenting both longitudinal curvature and convex curvature at its inside shank portion for supporting the arch of the foot, said sock lining having a body of flexible material and the contour of the insole modified by having a deep reentrant concave recess in its inside shank edge extending from approximately the heel breast line to the ball line and providing clearance for the transversely convexed portion of the underlying insole, and a cookie insert piece of substantially the same flexible material as the sock lining having a convex inner edge of greater overall length than said recess and being secured to the sock lining within the concave margin of the recess and along a line of sharper curvature than the normal flat curvature of the edge of the recess, thereby forming an upward bulge of convex curvature in the insert piece covering said recess while the body of the sock lining conforms without wrinkles to the underlying surface of the longitudinally and transversely curved insole.

2,413,535
CUP OR GLASS HOLDER FOR PLATES
Walter Weidler, Detroit, Mich.
Application March 5, 1943, Serial No. 478,151
1 Claim. (Cl. 65—65)



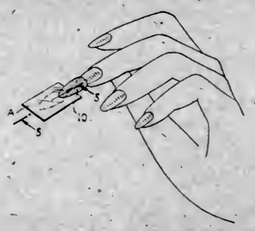
A glass holder or like attachment for a plate having an upwardly and outwardly slanting outer portion, said holder comprising in combination a single length of spring rod like material bent intermediate its ends to provide a glass confining loop, one peripheral portion of said loop being adapted to be disposed above a slanting plate side so that the latter will sustain a glass, contacting outwardly extending terminal portions of said loop secured together whereby to provide a double strength loop closing support, the rod portions beyond said loop closing support being turned laterally away from and in substantial extension of one another to provide a loop support carrier adapted to lie across a portion of a plate rim, downwardly and forwardly bent arms formed from said rod length at opposite ends of said loop carrier portion whereby to underlie a plate and cooperate with the loop carrier to provide a plate confining means, and the outer ends of said arms having upwardly extending hook means adapted to engage a plate rim at points substantially opposed to said loop carrier, said hook means serving to draw and retain the loop carrier and the adjacent arm portions in plate-engaging position.

2,413,536
ELECTRIC HEATER
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 23, 1941, Serial No. 408,073. Divided and this application December 9, 1942, Serial No. 468,382
6 Claims. (Cl. 219—37)



4. An electric heater, comprising: supporting means; electric heating means mounted upon said supporting means; a reflector; means for carrying said reflector in position below said supporting means, including a plurality of ledge means carried by and below said supporting means and interengageable with underside portions of said reflector, at least one of said ledge means being provided by the jaw portion of hook means having a neck portion extending through an aperture in said reflector, and said plurality of ledge means and said reflector being relatively so constructed and arranged that said reflector may be assembled with and disassembled from said ledge means solely by relative bodily movement of said reflector with respect to said ledge means and generally edgewise with respect to said grid means.

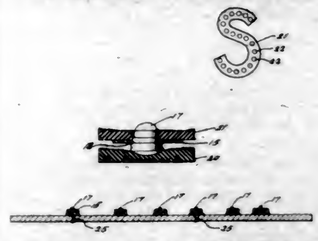
2,413,537
METHOD AND MEANS FOR TREATING FINGERNAILS
Irving Aberbach, New York, N. Y.
Application May 20, 1943, Serial No. 487,734
1 Claim. (Cl. 41—33)



As an article of manufacture, a decalcomania comprising a printed design of a finger nail, a transparent coating protectively covering said printed nail, the periphery of said coating being

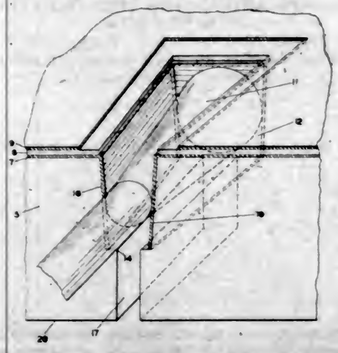
substantially in register with the periphery of said printed nail so that there will be substantially no overhanging portions, the inner transverse edge of said printed nail being concaved to correspond to the curvature of the moon portion of the natural nail whereby when the said printed nail is superimposed on the said natural nail the said natural moon portion will remain exposed.

2,413,538
REFLECTOR BUTTON SIGN
Marion C. Almes, Cuyahoga Falls, Ohio
Application September 7, 1944, Serial No. 552,958
2 Claims. (Cl. 40—130)



1. A sign comprising a rigid mounting plate, at least one symbol permanently attached to said mounting plate, said symbol consisting of a rigid anchor plate having holes spaced apart therein at predetermined positions, said holes defining the shape of the symbol, a reflector member positioned in each of said holes through said symbol, said reflectors having shoulders too large to pass through said anchor plate, a rubber backing and facing molded and vulcanized about said anchor plate with holes formed through said facing at each hole in the anchor plate, said symbol being attached to the mounting plate with said shoulders of the reflectors mounted therein in contact with said rigid anchor plate and with the end of the reflectors protruding beyond the surface of the said rubber facing.

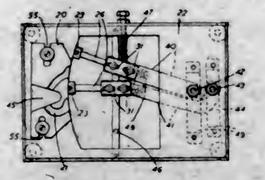
2,413,539
LEAD CONNECTION FOR ELECTRICAL APPARATUS
Kermit H. Ballard, Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 1, 1943, Serial No. 500,807
9 Claims. (Cl. 173—324)



1. Securement means for securing an electrical lead wire in electrical communication with an electrode surface which comprises: an electrical lead wire provided with an enlarged head portion generally in the form of a frustum of a cone; an insulating member provided with a receptor opening, said receptor opening being generally in the shape of a frustum of a pyramid, the narrower end section of said frustum of a pyramid being adjacent the external surface of said insulating member; an electrically conductive layer positioned on the interior surfaces of said receptor opening in electrical communication with the electrode surface which is to be brought into electrical communication with said lead wire; and means for positioning said generally frusto-conical head portion of said electrical lead wire in said receptor opening in such position that it is securely retained therein and is in electrical communication with said conductive layer on the interior surfaces of said receptor opening.

2. The method of securing electrical lead wires to an electrical capacitor, said electrical capacitor comprising a ceramic base member on which there are mounted a plurality of layers of metallic electrodes and a plurality of interposed layers of vitreous dielectric which comprises: providing a plurality of electrical lead wires, the terminal portions of said lead wires being formed in generally frusto-conical form; providing a plurality of receptor openings in said ceramic base member, said receptor openings being generally of frusto-pyramidal form; providing on the interior surfaces of said frusto-pyramidal receptor openings a plurality of metallic electrically conductive layers, each of said layers being in electrical communication with an electrode of said electrical capacitor; positioning said enlarged frusto-conical head portions of each of said lead wires in said frusto-pyramidal receptor openings; and introducing an electrically conductive paste into unfilled portions of said receptor openings whereby electrical communication is provided between said enlarged head portions, said interior metallic conductive layers, and each of said electrodes of said electrical capacitor.

2,413,540
APPARATUS FOR TRIMMING HANDLES AND THE LIKE FOR POTTERY GOODS
Robert Boulton Bloore, Newcastle-under-Lyme, England, assignor to Swinnertons Limited, Stoke-on-Trent, England
Application November 30, 1944, Serial No. 565,972
In Great Britain December 1, 1943
3 Claims. (Cl. 25—104)



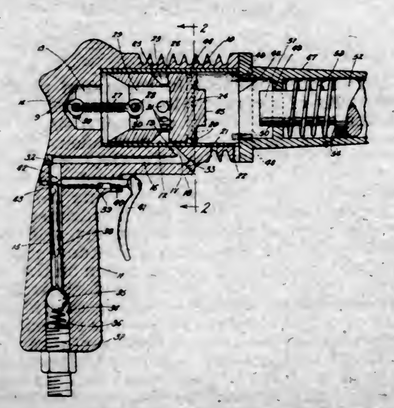
1. Apparatus for trimming handles and the like for pottery goods comprising a support for the handles, said support so formed that the portions of the article requiring trimming project into the path of moving cutters whose paths are predetermined to correspond with the vertical line of the vessel, said cutters comprising two separately pivoted cutting tools, one for each end of the handle or the like.

2,413,541
PLASTIC BRACELET
Hugh D. Brady, Phoenix, Ariz.
Application May 1, 1945, Serial No. 591,251
3 Claims. (Cl. 63—3)



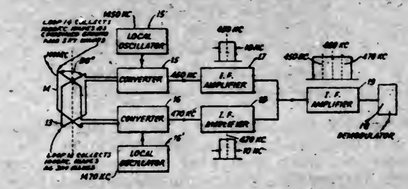
1. As an article of jewelry, a bracelet of transparent resilient plastic material having a body portion with ornamental semi-spherical bosses thereon forming lenses, recesses provided in the inner face of said body portion adjacent each boss adapted to receive and position photographs, or the like, so that they will be magnified when viewed through the lens beneath which they are positioned and a clamp bar removably retained on the inner face of said bracelet body having means for holding said photographs in place in said recesses.

2,413,542
PRESSURE FLUID DRIVEN TOOL
Richard R. Butts, Miamisburg, Ohio, assignor, by direct and mesne assignments, to Frank B. Yingling, Hamilton, Ohio
Application February 26, 1942, Serial No. 432,501
1 Claim. (Cl. 121—17)



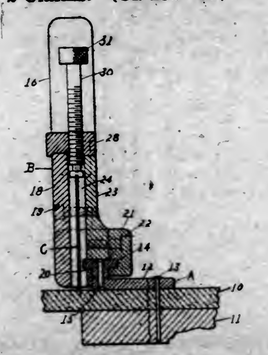
In a self-cooling, and non-lubricated pneumatic hammer the combination of a casing having a cylindrical bore, and inlet and exhaust ports respectively communicating with the bore in the periphery thereof, a loosely fitting hollow piston open at its rear reciprocably mounted in said bore in the casing and provided with an annularly grooved portion provided with ports communicating with the hollow interior and alternately communicating with said inlet and exhaust ports as the piston reciprocates, means exerting a yieldable axial retracting pressure on said piston and means for controlling a flow of motive pressure air to said inlet port, said piston adapted for reciprocation in non-contacting and pressure air lubricated relation to said cylindrical bore.

2,413,543
REDUCTION OF SELECTIVE FADING DISTORTION
Wendell L. Carlson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 22, 1943, Serial No. 503,465
5 Claims. (Cl. 250—20)



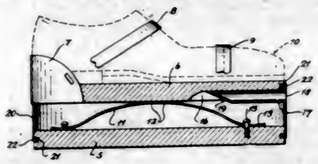
1. In a receiver of modulated carrier waves, at least two directional signal collectors arranged in predetermined relation, means coupled to one collector to reduce modulated carrier waves to a first lower carrier frequency, means coupled to the second collector to reduce modulated waves of the same carrier frequency to a second lower carrier frequency different from the first lower frequency, means amplifying said waves of both lower carrier frequencies in a common amplifier stage, and a common demodulator coupled to the latter stage.

2,413,544
CUTTING TOOL
Richard M. Carpenter, Chicago, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois
Application March 17, 1945, Serial No. 583,344
2 Claims. (Cl. 164—73)



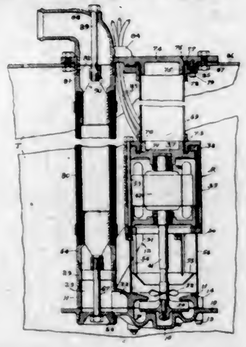
1. A portable cutting tool of the character described, comprising: a clamping guide plate adapted to be temporarily secured on the material to be cut and to a supporting table or the like; a carrier, the latter including a main casting, a detachable front securing plate and a detachable cap plate, said casting and front plate being complementally recessed to provide a vertical opening and opposed guide recesses communicating with said opening, the cap plate being disposed at the top of said opening; cooperable means on said carrier and guide plate for guiding and retaining the carrier in movement parallel with the guide plate; a knife blade disposed in said carrier opening and with its edges in said guide recesses; and an adjusting screw mounted in said cap plate and having swivel connection with the knife blade for vertically adjusting the latter.

2,413,545
NOVELTY SQUAWK-TYPE SHOE
Leander Lee Cordi, Redding, Calif.
Application June 6, 1945, Serial No. 597,903
1 Claim. (Cl. 36—1)



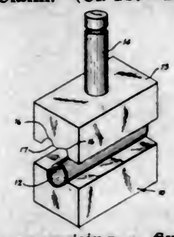
A novelty noise-making shoe of the class described comprising main and auxiliary spaced parallel bottoms, a flexible fabric jacket completely surrounding the perimeter portions of said bottoms and having air-tight connection with the marginal edges thereof, a tubular reed-equipped whistle mounted on one of the bottoms and having its outer end opening through the jacket and open to the atmosphere, the reed being on the inner end, and a pair of longitudinally bowed springs having their intermediate portions rigidly secured to one bottom and their opposite end portions slotted and slidably secured to the remaining bottom.

2,413,546
PUMP AND MOTOR ASSEMBLY
Russell R. Curtis and Richard L. Gates, Dayton, Ohio, assignors to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application February 19, 1944, Serial No. 523,100
8 Claims. (Cl. 222—385)



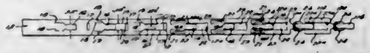
8. In a submerged type pump and electric motor unit including a frame structure defining a pump chamber and having a motor supporting ring in spaced relation above the pump chamber together with a motor field frame mounted on said supporting ring, the improvements of a top wall for said field frame, a supporting plate adapted to be attached to the top wall of a tank over an opening therein through which said unit may be inserted, a hanger member suspended from said supporting plate, an attachment member on the lower end of the hanger member, and through bolts extending through the attachment member, the top wall for the field frame, the field frame, and the supporting ring for simultaneously securing the field frame to the supporting ring, the top wall of the field frame to the field frame, and the attachment member to the top wall of the field frame whereby the unit is suspended from said plate.

2,413,547
DIE
Cyril D. Davidson, Washington, Pa.
Application January 15, 1945, Serial No. 572,956
1 Claim. (Cl. 140—113)



A cable die comprising a fixed lower block having a semi-cylindrical longitudinal groove therein, and an upper die movable towards said block to engage the same and having a groove therein characterized by a longitudinally extending convexity, the sides of said convexity merging into aligned concavities, said block adapted to receive a metal sleeve, and said die when forced to engage said block and sleeve shaping the sleeve to have spaced concave sides substantially parallel with each other throughout their length.

2,413,548
METHOD OF MANUFACTURING METAL CLIPS OR LINKS
Victor J. Del Giudice, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan
Application February 14, 1942, Serial No. 430,848
6 Claims. (Cl. 59—35)

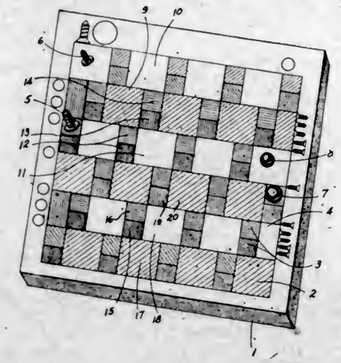


1. That improvement in the art of producing a plurality of metal articles of like character extending across the entire width of a single metal blank by a substantially continuous method, which method comprises the steps of shearing said blank to provide a portion of one of said articles and simultaneously piercing said blank at a point removed from and in advance of the sheared portion thereof, advancing said blank and locating the same while simultaneously performing a second shearing operation on the blank in the region of the first-named sheared and pierced portions thereof, trimming said blank in the location of the sheared portions thereof while simultaneously removing a portion of scrap from points located entirely within the longitudinal edges of said blank, preforming said article to provide a flare in portions thereof while permitting movement of a portion of said article relative to said blank without affecting the position or location of the blank, and thereafter cutting said blank on a line transversely of the longitudinal edges thereof to separate said preformed article from the remainder of said blank.

2,413,549
VITREOUS COMPOSITION
Alden J. Deyrup, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 23, 1944, Serial No. 555,597
10 Claims. (Cl. 106—53)

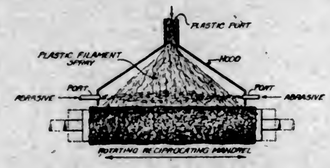
1. A vitreous composition having a Q-value of over 2000 and comprising between 15 and 25 mole percent of lead oxide, between 34 and 47 mole percent of silica, between 3 and 11 mole percent of at least one alkali metal oxide taken from the group consisting of potassium oxide, sodium oxide and lithium oxide, between 5 and 11 mole percent of at least one alkali metal fluoride taken from the group consisting of sodium fluoride, potassium fluoride and lithium fluoride, between 11 and 30 mole percent of at least one bivalent metal oxide taken from the group consisting of magnesium oxide, strontium oxide, zinc oxide, barium oxide, calcium oxide and beryllium oxide, said mole percentages being based on the total molecular weight of the vitreous composition.

2,413,550
GAME
William A. Dubay, Cleveland, Ohio
Application October 18, 1943, Serial No. 506,659
6 Claims. (Cl. 273—131)



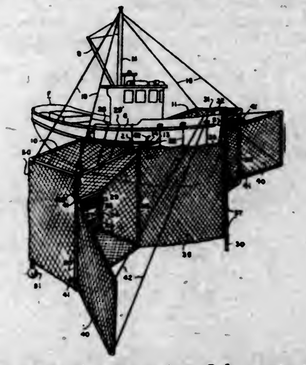
2. A game comprising a game board having a rectangular playing surface divided into a plurality of rows, each of which includes alternate large and small squares, the squares of the adjacent rows being staggered, and two sets of playing pieces, each consisting of two differentiated types of pieces, each piece having a surface adapted to engage and be supported by the board maintaining the piece in stable equilibrium.

2,413,551
SPONGIFORM PLASTIC ABRASIVE PAD AND METHOD OF MAKING IT
Leonard H. Englund, Chicago, Ill., assignor to James H. Rhodes & Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1943, Serial No. 487,848
10 Claims. (Cl. 51—185)



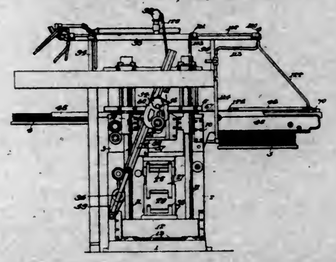
1. A method of providing an article of the character described which comprises, casting a plurality of molten plastic filaments onto a reciprocating member to provide a fibrous mass of interlocked threads to be formed into pads, and dispersing an abrasive substance throughout said mass to coat said filaments and to impregnate the same with said abrasive before said mass has set.

2,413,552
FISH CAGE
John H. Ethridge, Seattle, Wash., assignor of one-half to Val Zitz, Seattle, Wash.
Application January 29, 1945, Serial No. 575,049
7 Claims. (Cl. 43—103)



3. For use with a vessel, a fish cage, comprising: a main frame including hinged coupling means for joining the same to a vessel, a second frame hinged to said main frame to hang therefrom lateral of such a vessel, said second frame having a mouth, netting joined to said main and second frame and mouth frame and arranged to define a cage to one side of said mouth, a curtain deflector and a wing deflector each extending from side edges of said second frame in flaring relation to each other and away from said cage, means for supporting said frames alongside a vessel, and means for closing said mouth on occasion.

2,413,553
SHEET CUTTING AND CREASING PRESS
Arthur J. Evers, Brooklyn, N. Y., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application November 4, 1943, Serial No. 508,905
19 Claims. (Cl. 164—21)



12. In a sheet cutting and creasing press, a die and its coacting plate, a reciprocating carriage, means for raising and lowering the carriage as it reciprocates, grippers at the rear end of the carriage operable during the forward stroke of the carriage to feed a new sheet forward and lower it on the die, suction devices on the carriage operable during the same stroke to lift the preceding

cut and creased sheet from the die, convey the sheet forward and lower it to a delivery point, suction devices disposed along the die for holding the sheet thereon during the cutting and creasing operation, and means for thereafter opening and retracting the grippers.

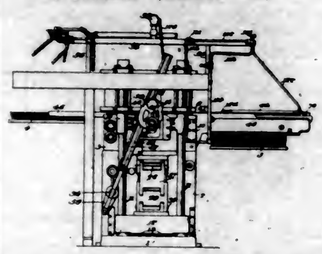
2,413,554

SHEET CUTTING AND CREASING PRESS

Arthur J. Evers, Brooklyn, N. Y., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Original application November 4, 1943, Serial No. 508,905. Divided and this application December 21, 1945, Serial No. 636,338

2 Claims. (Cl. 164—19)



1. The method of cutting and creasing successive sheets by the repeated coaction of a die and its cutter plate, which includes feeding a sheet to the die and at the same time exerting suction on the preceding cut and creased sheet for removing it from the die and delivering the sheet.

2,413,555

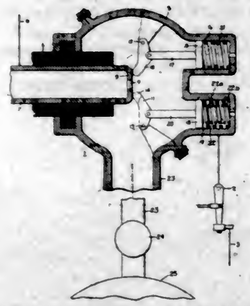
ELECTRIC CIRCUIT INTERRUPTER

Cedric H. Flurscheim, Bowdon, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a British company

Application October 15, 1945, Serial No. 622,470

In Great Britain January 6, 1945

8 Claims. (Cl. 200—148)



1. In a fluid operated electric circuit breaker comprising a plurality of relatively separable contacts including a set of arcing contacts and a set of current-carrying contacts, means for biasing said arcing contacts to the closed position, means for biasing said current-carrying contacts to the closed position, fluid operated means for opening said arcing contacts, fluid operated means for opening said current carrying contacts, and means for supplying fluid under pressure to said fluid operated means for causing opening of said current carrying contacts and said arcing contacts, said means for biasing said current-carrying contacts to the closed position and said fluid operated means for said current-carrying contacts being so proportioned relative to the means for biasing said arcing contacts to the closed position and said fluid operated means for said arcing contacts that said current-carrying contacts open in response to operation of said means for supplying fluid under pressure to said fluid operated means prior to opening of said arcing contacts.

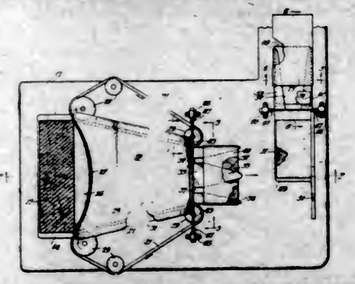
2,413,556

METHOD OF PACKAGING CELLULOSIC PADS

Charles A. Fourness, Appleton, and Kenneth J. Harwood, Neenah, Wis., assignors to International Cellucotton Products Company, a corporation of Delaware

Application December 3, 1942, Serial No. 467,752

5 Claims. (Cl. 226—2)



1. The method of packaging a multi-ply, previously compressed and expanded, creped, cellulosic pad of the class described, which comprises the steps of recompressing the pad in a lengthwise direction while maintaining the width and thickness of the pad substantially uniform, restraining the recompressed pad against longitudinal expansion or buckling while a sleeve member having longitudinal and peripheral dimensions substantially equal to the equivalent dimensions of the recompressed pad is placed about said recompressed pad, and then applying a close fitting, outer covering including a sleeve portion to the combination of said pad and sleeve so that said outer covering extends at right angles to said first mentioned sleeve.

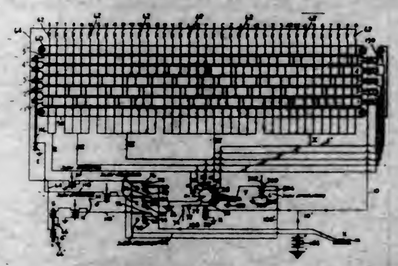
2,413,557

TRANSLATING MECHANISM FOR PRINTING TELEGRAPH

John Thomas Gilfillan, Jr., Kenosha, Wis.

Application February 21, 1945, Serial No. 579,006

5 Claims. (Cl. 178—26)



1. In a telegraph printing apparatus, a plurality of type-bar operating elements, a series of permutation bars bearing mutually engageable

contacts and arranged for sliding movement relative to one another between two positions, fixed contact means mounted alongside an end bar of said series and having a plurality of contacts each connected to one of said operating elements, second fixed contact means mounted alongside the other end bar of said series and having a plurality of contacts connected in parallel groups, multicontact selector mechanism, each of said groups being connected to one contact of said selector mechanism, means responsive to the duration of individual impulses of a code series for controlling the positioning of said permutation bars, means responsive to the number of impulses in a code series for controlling the operation of said selector mechanism, and a return circuit connected to a source of power, to said selector mechanism and to all of said operating elements.

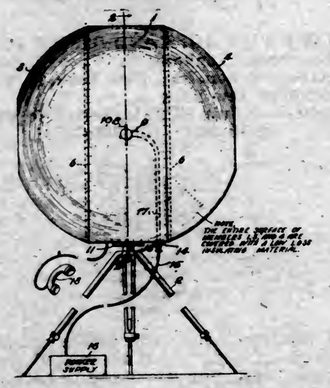
2,413,558

SECTIONAL PARABOLIC ANTENNA SYSTEM

De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 24, 1943, Serial No. 492,032

9 Claims. (Cl. 250—11)



3. An ultra high frequency antenna system comprising a parabolic reflector including a rectilinear box portion having one of its surfaces forming a center section and having two side sections insulatingly secured thereto so as to be detached from each side of said center section, said box portion being adapted for enclosing a radio frequency device, a removable cover portion cooperating with said box portion for enclosing said side sections.

2,413,559

DYEING OF FILMS POSSESSING LOW WATER IMBIBITION

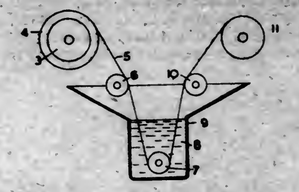
Raymond Crawford Greenlees, Coventry, England, assignor to Courtaulds Limited, London, England, a company of Great Britain

Application October 14, 1944, Serial No. 558,729

In Great Britain December 13, 1943

3 Claims. (Cl. 8—151)

1. A process of dyeing a film possessing low water imbibition comprising covering a side of the film with a fabric so that the fabric and film are in face to face contact throughout the length of the film, and then dyeing the film by passing the film and fabric through a bath of a selected dye color, and winding the film and fabric into a roll comprising contacting layers of film and fabric, whereby the fabric acts as a reservoir of absorbed dye liquor for the film and the film



absorbs the dye from the dye liquor by virtue of its greater affinity for the dye.

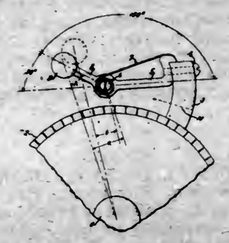
2,413,560

BRUSH RIGGING

Robert W. Groot, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application November 3, 1944, Serial No. 561,718

6 Claims. (Cl. 171—323)



1. A brush rigging adapted to be rotated about an axis and including a brush holder having an arm and resilient means operably connected to said arm for biasing a contact brush toward a current collector, means for pivotally mounting said brush holder arm about an axis substantially parallel to the axis of rotation of said brush rigging, and means including a second arm rigidly secured to said brush biasing arm arranged at an angle to a radius from the center of said current collector of between 15° and 60° for a new brush and having a weight distributed thereon to provide a moment about the axis of said pivotal mounting for substantially neutralizing the action of centrifugal force on the brush and said first mentioned brush holder arm.

2,413,561

PORTABLE EXCAVATING AND EJECTING MACHINE

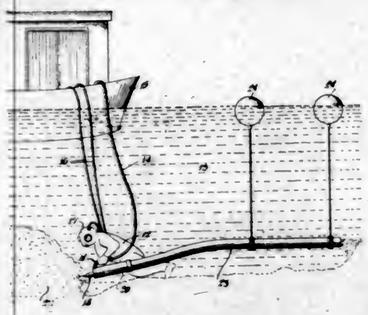
Frederick G. Hehr, Santa Monica, Calif.

Application September 26, 1945, Serial No. 618,689

4 Claims. (Cl. 37—62)

1. A portable apparatus for excavating and ejecting under-water materials comprising a fluid chamber, an inlet pipe communicating with said fluid chamber and adapted for connection with a source of fluid under pressure and providing gripping means for manipulating the apparatus, an excavating nozzle connected to and extending outwardly from said fluid chamber for excavating materials by the force of the jet of fluid discharged from said nozzle, an ejecting chamber having an opening adjacent said excavating nozzle for receiving the excavated materials in suspension in water, an ejecting nozzle connected to said fluid chamber and extending within said ejecting chamber for discharging a jet of fluid under pressure therein to draw the excavated ma-

terials in suspension through said opening and within said ejecting chamber by suction, said ejecting nozzle being positioned in alignment with and in opposed relation to said excavating nozzle and both of said nozzles having discharge orifices of equal capacity whereby the thrust of one nozzle



in one direction counterbalances the thrust of the opposed nozzle in the opposite direction and means connected to said ejecting chamber for discharging the excavated materials in suspension therefrom to a point remote from the excavating nozzle.

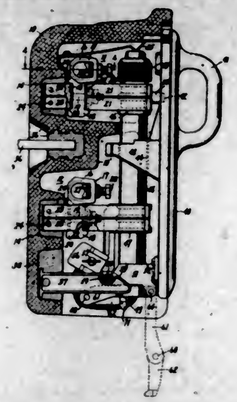
2,413,562
PRECAST CONCRETE MEMBERS
Albert Henderson, Edgewood, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application September 10, 1945, Serial No. 615,265
11 Claims. (Cl. 72—71)



8. A precast reinforced concrete structural unit comprising an elongated mass of concrete having embedded therein a metal frame including two spaced-apart, longitudinally extending, reinforcing bars, and a metal member having a bore therein being transversely disposed between said bars closely adjacent an end of each bar, said metal member being welded to at least one of said bars.

2,413,563
ELECTRIC CIRCUIT INTERRUPTER AND DISCONNECTING DEVICE
Benjamin R. Hermann, Lanesborough, Mass., assignor to General Electric Company, a corporation of New York
Original application December 13, 1941, Serial No. 422,901. Divided and this application June 14, 1943, Serial No. 490,824
6 Claims. (Cl. 200—114)

1. In an electric disconnect device, the combination of a housing, a door for closing an open side of said housing, spaced contacts in said housing, a support mounted on said door for relating said door to said housing, a rigid electrical conductor pivotally mounted on said support for interconnecting said contacts in said housing, and means for alternatively supporting said conductor on said support on said door in a position electrically isolated from at least one of said contacts and depending from the bottom of said housing to indicate an open-circuit condition between the contacts in said housing even though



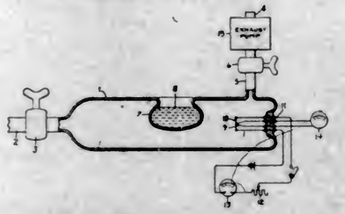
the open side of said housing is closed by said door.

2,413,564
HOLDER FOR MOPS AND OTHER DEVICES
Ira Hertzberg, Yonkers, N. Y., assignor to H. Hertzberg & Son Inc., New York, N. Y., a corporation of New York
Application July 24, 1946, Serial No. 686,043
5 Claims. (Cl. 306—20)



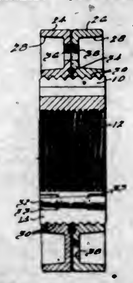
1. A holding device, said device comprising a clip which has legs which are spaced from each other, said legs being connected to each other at the end of said clip, a helical spring assembled with said clip, both of said legs being located internally in said spring, one of said legs having a lateral offset which is located between adjacent turns of said spring, said spring frictionally engaging said clip.

2,413,565
VAPOR PRESSURE MEASUREMENT
Clarence W. Hewlett, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application June 15, 1945, Serial No. 599,588
3 Claims. (Cl. 73—29)



1. The method of measuring vapor pressure in a gas which consists in sealing a sample of the gas in a container, lowering the temperature of the container and sample to a value sufficiently low as to condense all of the moisture in the sample, exhausting the container of gas while maintaining the container at such low temperature, sealing the container again, then raising the temperature of the container to a known temperature where all of the moisture therein is vaporized, and then measuring the pressure of the vapor in the container at the last mentioned temperature.

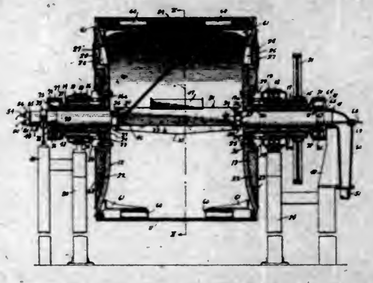
2,413,566
RING GAUGE
Ernest F. Hohwart, Detroit, and George Hohwart, Orchard Lake, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application November 6, 1944, Serial No. 562,058
10 Claims. (Cl. 33—178)



1. An adjustable ring gauge comprising, in combination, an annular gauging member the bore of which provides a gauging surface, said gauging member being provided with a radially directed slot extending therethrough and being provided with a plurality of additional radially directed slots extending radially inwardly from the periphery thereof and terminating short of the bore thereof, the last-mentioned slots being approximately angularly equally disposed with respect to each other, the radial depth of said additional slots varying in accordance with their relation to the first-mentioned slot, such radial depth being greatest in those of said additional slots closest to the first-mentioned slot and least in those slots furthest from said first-mentioned slot, wedge means associated with the walls of said first-mentioned slot for limiting contractive movements thereof, the periphery of said gauging member being cylindrical and threaded, and a pair of adjusting elements each threadably received upon said threaded periphery of said gauging member, the threads of said gauging member and said adjusting elements having flanks disposed at an angle to a plane perpendicular to the axes of said member and elements whereby an axial force set up between said adjusting elements occasioned by threading one toward the other on said gauging member applies a radially contracting force on said gauging member.

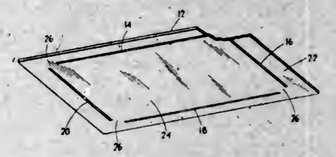
2,413,567
DRIER DRUM HAVING HEAT-EXCHANGE-FLUID SUPPLY AND REMOVAL MEANS
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application April 10, 1944, Serial No. 530,373
6 Claims. (Cl. 34—124)

5. In a drier drum assembly the combination of a cylinder having end heads; hollow trunnions projecting from said heads for supporting and journaling said cylinder for rotation; a tray disposed diametrically across the interior of said cylinder for receiving condensate from the inner surface thereof; stationary hollow supports extending through the trunnions into the cylinder for maintaining the tray in fixed relation within



said cylinder, one of said supports adapted to drain condensate from said tray; means for discharging heating vapor through the other of said supports to charge said cylinder with vapor; and dippers carried by said heads in non-contacting relation to the inner surface of the cylinder for removing condensate from said inner surface and depositing the condensate in said tray.

2,413,568
VIBRATILE BOARD FOR ACOUSTIC TREATMENT
Albert B. Hurley, Huntington, N. Y.
Application July 17, 1941, Serial No. 402,793
7 Claims. (Cl. 181—33)

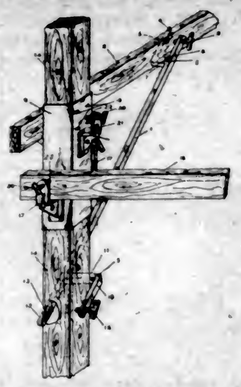


1. An acoustic tile comprising a central enclosed vibratile diaphragm section and a marginal diaphragm-enclosing mounting section, the diaphragm section being inwardly spaced from the mounting section by a peripheral opening therebetween, the diaphragm section being rigidly connected to the mounting section by bridge elements bridging said peripheral opening, the diaphragm section thereby forming a vibratile member freely set into vibration at said rigid bridge elements on the mounting section under the impact of sound waves, the free vibration of said vibratile member serving to absorb the said sound waves.

2,413,569
SCAFFOLDING DEVICE
Stig Isakson, Portland, Oreg., assignor of one-half to George W. Schumacher, Portland, Oreg.
Application May 29, 1945, Serial No. 596,519
2 Claims. (Cl. 304—40)

1. A brace bar to unite and brace upright and ledger parts of scaffolding and comprising an elongated main bar of appropriate length, an integral offset near each end of the bar, providing with the bar a socket to receive the upright part of the scaffold at one end and the ledger part of the scaffold at the opposite end, the inner face of a part of each socket being roughened

to engage the scaffold parts fitting that socket, and means cooperating with a part of the socket



to bear against the scaffold part therein and force the roughened face of the socket into the material of the scaffold part.

2,413,570

POLYVINYL ALCOHOL COMPOSITION

Charles J. Krister, Wilmington, Del., and Henry J. Sedusky and George L. Thompson, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 18, 1943, Serial No. 491,394
7 Claims. (Cl. 260—32)

2. An adhesive and film-forming composition, comprising an aqueous solution of polyvinyl alcohol containing a clay substantially identical with Chicora No. 3, the clay being present in an amount from ½ to 4 times the weight of the polyvinyl alcohol and the total solids content, due to clay and polyvinyl alcohol, being about from 5 to 25%.

2,413,571

SELF-SEALING VALVED COUPLING

Howard C. Krone, River Edge, and William Meyer, East Orange, N. J., assignors to Wheaton Brass Works, Newark, N. J., a corporation of New Jersey

Application September 11, 1945, Serial No. 615,550
2 Claims. (Cl. 284—19)



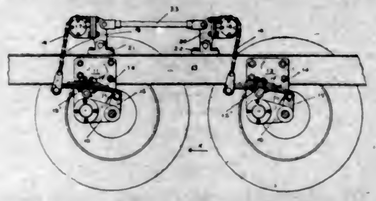
1. A coupling for connecting fluid conducting lines comprising separable male and female coupling members, said male member having an endwise projecting plug section provided with a valve port in its end and an inwardly yieldable valve to normally close said valve port, said female member having an endwise open body to receive said plug section of the male member, an inwardly yieldable valve port member within said body and a female member valve to normally close the same, means to mount said female member valve whereby to permit limited inward movement thereof, and an internal annular seal member mounted in the walls of said female member body, said valve port member and the female member valve being adapted to yield to initial movement of said plug section and male member valve into said female member body, whereby to engage said plug section with said seal member before said valves are permitted to open, whereafter upon arresting of the female valve member at its limit of inward movement, continued inward movement of said plug section displaces said valve port member from said female member valve and causes the latter to displace said male member valve from said plug section valve port.

2,413,572

VEHICLE EQUALIZING SUSPENSION

Glenn L. Larison, La Grande, Oreg., assignor to Larison Compensating Axle Corporation, La Grande, Oreg., a corporation of Oregon

Original application November 30, 1943, Serial No. 512,353. Divided and this application February 12, 1945, Serial No. 577,566
3 Claims. (Cl. 280—104.5)



1. In a vehicle equalizing suspension, a pair of wheel-carrying assemblies pivotally mounted on the same side of the vehicle for movement in substantially parallel vertical planes, compensating means located at said side of the vehicle, a pivoted member supporting said compensating means, said member mounted to swing in a substantially vertical plane, said assemblies connected to said compensating means and said assemblies and compensating means so arranged that movement of one of said assemblies will cause a force to be exerted in the opposite direction on the other assembly while movement of both assemblies in the same direction will cause said member with said compensating means to be moved, a second pair of wheel-carrying assemblies pivotally mounted in tandem with said first mentioned pair of assemblies, a second compensating means and a second pivoted member mounted to swing in a substantially vertical plane and supporting said second compensating means, said second pair of assemblies connected to said second compensating means, and equalizing means connecting said pivoted members.

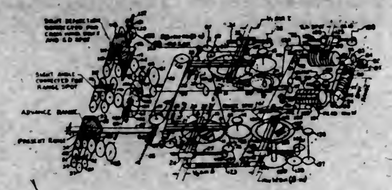
2,413,573

FIRE CONTROL SYSTEM

Earl E. Libman, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York

Application August 21, 1944, Serial No. 550,466
6 Claims. (Cl. 235—61.5)

6. In a fire control system, means to compute sight deflection comprising mechanisms to obtain the cross components of own ship and target speeds, adjusting means for said mechanisms including follower members, a chart-carrying drum movable along one coordinate and an indicator associated with said drum and movable along another coordinate, a drive for said drum, gearing for operating said indicator, an input shaft coupled to said gearing for operating the same to move said indicator, a drift cam also driven by said shaft and having a follower, a second drum for carrying a sight deflection spot chart, an indicator associated with said second drum including a follower member, means operatively connecting said input shaft to said sec-



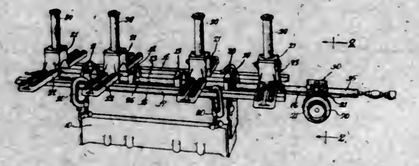
ond drum, a third drum carrying a spot range chart and operatively connected to said second drum, a fourth drum carrying a sight angle chart and operatively connected to said second and third drums through said input shaft, and a flexible element having one end connected to the drive for the first named drum and its other end connected to said drift cam follower, with intermediate portions thereof operatively connected to all said follower members.

2,413,574

BORING MACHINE

Wallace F. Mitchell, Chicago, Ill., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois

Application September 9, 1944, Serial No. 553,320
15 Claims. (Cl. 77—2)



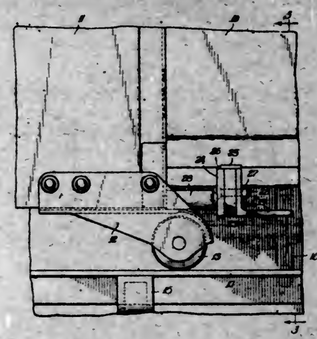
2. In a machine for boring the bearings of an engine cylinder block, a boring bar, means for supporting said boring bar in centered relation to the bearings to be bored, means for rotating said boring bar, and means for feeding said boring bar forwardly as it is rotated which comprises a casing carried by and shiftable with said boring bar, a rack bar secured at one end to said supporting means, a gear carried by said casing and connected to said rack so as to feed forwardly and carry said casing with it when it is rotated, a gear carried by said casing and having a fast feed and a slow feed section slidably but non-rotatably connected to said boring bar, an intermediate gear means carried by said casing and constantly connected to said rack-engaged gear, means for slidably shifting said bar-connected gear to connect either its fast or slow feed section to or disconnect both from said intermediate gear means, the arrangement being such that when said bar-connected gear and intermediate gear means are connected the boring bar is fed forwardly by its own rotation, and manual means carried by said casing for rotating said intermediate gear means and in turn said rack-engaged gear to feed said casing and boring bar forwardly when said bar-connected gear is disconnected from said intermedaite gear means.

2,413,575

FREIGHT CAR DOOR STOP

Karl F. Nystrom, Nashotah, and Vernon L. Green, Milwaukee, Wis.

Application May 29, 1944, Serial No. 537,928
2 Claims. (Cl. 16—82)



1. A stop for the bottom supported sliding door of a railroad freight car comprising an angular metal bracket formed to provide a flat upstanding portion and a horizontal portion, the upstanding portion on one of its vertical edges being recessed to fit about the side and bottom of an overhanging car auxiliary side sill and to be edgewisely secured thereto and to the car side sill so as to extend outwardly therefrom with the upstanding portion in the path of the lower end of a car door, said upstanding portion having an opening therethrough; a resilient shock absorbing block arranged on the forward face of the upstanding portion of the bracket and having an opening registering with the opening in said upstanding portion; a flat anvil plate loosely arranged against said block and coextensive therewith; means for preventing rotative movement of the block and the anvil plate; and regulable means disposed through the anvil plate, said block and the upstanding portion whereby the anvil plate and block are yieldingly supported on said upstanding portion; in combination with a roller carrying bracket secured to the bottom of the door so as to extend laterally beyond the plane of the vertical edge of the door and a plane ended elongated pin adapted to be rigidly secured to the rear edge of a sliding car door adjacent its bottom arranged to extend beyond the vertical plane of the outer end of the roller carrying bracket and adapted to normally engage said anvil plate substantially adjacent the center thereof.

2,413,576

HAIR EXTRACTING DEVICE

Harry Orner, Cleveland Heights, Ohio, assignor to Maurice M. Cohen, Cleveland Heights, Ohio

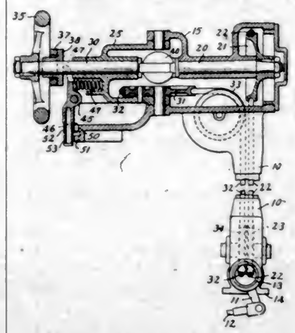
Application November 2, 1944, Serial No. 561,565
6 Claims. (Cl. 128—355)



4. A hair extractor, or the like, comprising two members rotatable about a common axis, said members each having a circular hair gripping face, the centers of said faces coinciding with said

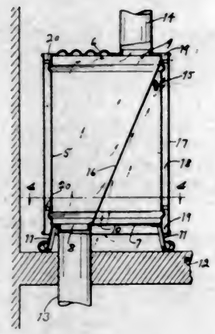
axis, one of said members being movable in opposite directions along said axis for moving said face thereof into and out of hair gripping relation with said other face; and means for rotating said members about said axis and for simultaneously moving said one member alternately in opposite directions for gripping and releasing hair between said faces.

2,413,577
AIRPLANE CONTROL MECHANISM
Alden E. Osborn, Mount Vernon, N. Y.
Application February 25, 1943, Serial No. 477,162
3 Claims. (Cl. 244—83)



1. A control mechanism for airplanes having elevator, aileron and rudder surfaces, comprising a column pivotally mounted on a horizontal axis at right angles to the center line of said aeroplane, connections between said column and said elevator surfaces whereby the forward or backward movement of the upper end of said column controls the position of said elevator surfaces; a member pivotally mounted on said column on a substantially vertical axis and at right angles to the pivotal mounting of said column, connections between said member and the rudder surfaces of said airplane whereby the oscillation of said member about its said vertical axis mounting moves said rudder surfaces, a shaft rotatably mounted on a horizontal axis on said member at right angles to the pivotal axis of both said column and said member and adjacent to the upper end of said column and said member, connections between said shaft and the aileron surfaces of said airplane whereby the oscillation of said shaft about its said horizontal axis controls the position of said aileron surfaces, a handle member for the manual operation of said shaft, said vertically pivoted member and said column, said handle member being adapted to turn said shaft, to cause said side to side oscillation of said vertically pivoted member and to also cause said forward or backward movement of said column, and a locking means comprising a manually operable lever on said handle member, a longitudinally slidable collar surrounding said shaft and contacting with said operable lever, a lever pivotally mounted on said vertically pivoted member and also contacting with said collar, an arm on said last-mentioned lever, a toothed segment on said column, said arm having a portion adapted to engage said toothed segment, and a spring means to normally cause said engagement whereby said vertically pivoted member is locked in relation to said column thru the action of said spring means, when said operable lever is released, said operable lever being adapted to move said collar and said last-mentioned lever on said vertically pivoted member against the action of said spring, and to withdraw said tooth-engaging portion of said lever arm from said toothed segment and allow the movement of said rudder surfaces.

2,413,578
HEATING DRUM
James A. Pendergrass, Blanchester, Ohio
Application April 2, 1945, Serial No. 586,175
4 Claims. (Cl. 257—167)

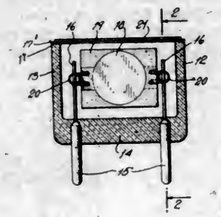


1. In a heating drum unit of the kind described, drums assembled one about the other with an intervening air circulating space therebetween, the said drums being supported endwise and vertically from the floor of a room so that air may flow freely beneath the lower ends thereof, the upper and lower ends of the inner drum being closed except for a hot flue gas inlet at the lower end and at one side of the inner drum and a hot flue gas outlet at the opposite side of the upper end of the inner drum for connecting with a stove or furnace pipe at the lower end and with a chimney at the upper end, the bottom of the inner drum being formed with cold air inlets spaced inwardly of the hot air inlet, and formed at a point immediately below the hot air outlet with lateral air outlets leading into the outer drum, and a flat, air spreading partition extended angularly within the inner drum from bottom to top thereof from the inner annular margin of the lower hot air inlet to the outer annular margin of the upper hot air outlet, transversely across the inner drum and thus separating the lower hot air inlet from the lower cold air inlets, so that cold air passes through the unit to flow up through the lower cold air inlets up over the said flat partition and thence out through the said lateral outlets into the top of the outer drum and thence outwardly into the room, and hot flue gas on the other hand may flow continuously through the unit from bottom to top thereof and incidentally heat the said partition.

2,413,579
CRYSTAL HOLDER
Miles Pennybacker, Westport, Conn.
Application June 28, 1945, Serial No. 602,001
10 Claims. (Cl. 171—327)

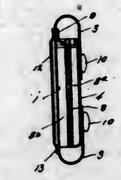
1. A glass holder for a piezo-electric crystal, having a press and having at least two parallel conducting pins sealed into said glass press, said holder having the edges of the walls thereof remote from said pins and lying in a single plane

substantially perpendicular to the plane of said pins, said edges having a metal coating there-



upon, said holder also including a metallic cover hermetically fastened to said edges of said walls.

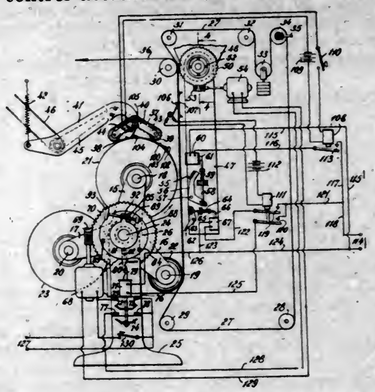
2,413,580
CARTRIDGE CARRIER
Robert M. Perry, Coeur d'Alene, Idaho
Application January 14, 1944, Serial No. 518,271
1 Claim. (Cl. 206—3)



A cartridge container comprising a pouch having a rear wall and a front wall, the rear wall being formed from a sheet of material of greater length than the front wall with its end portions extending beyond upper and lower ends of the front wall and forming closure flaps adapted to be folded against the outer face of the front wall and releasably secured in closed position, the rear wall having extensions at opposite sides corresponding in length to the front wall, said side extensions and opposite side edge portions of the front wall being folded inwardly toward each other and sewed together to form side walls having inturned seams, and a partition extending longitudinally in said pouch with its side edge portions sewed into seams of the side walls, said partition having one end formed integral with the front wall and its other end sewed against the inner face of the rear wall and dividing the pouch into pockets, the front pocket being open at its upper end and the rear pocket open at its lower end.

2,413,581
WEB SPLICING APPARATUS
Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application June 14, 1944, Serial No. 540,201
16 Claims. (Cl. 242—58)

1. In apparatus for splicing the leading end of the web on a new roll to a web running past the surface of the new roll from an expiring roll after the new roll is accelerated to running web speed, in combination with means for applying a variable tension to the surface of said rolls, a control actuator on the new roll web adjacent its leading end and means responsive to movement of said control actuator away from the surface of

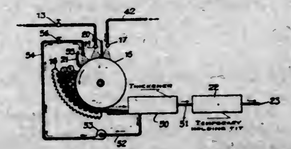


the new roll to increase the tension applied to the surface of the new roll.

2,413,582
SILICO-ORGANIC DERIVATIVES AND PROCESS OF MAKING THE SAME
John B. Rust, West Orange, and Charles A. MacKenzie, Montclair, N. J., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application December 29, 1943, Serial No. 516,123
2 Claims. (Cl. 260—607)

1. Process of making alkyl silicon derivative in which the alkyl group contains from one to eight carbon atoms comprising reacting silicon tetrahalide selected from the group consisting of chloride, bromide and iodide with an alkyl halide selected from the group consisting of chloride, bromide and iodide, in which the alkyl group contains from one to eight carbon atoms, concurrently in the presence of metallic lithium while at a temperature at which refluxing takes place, in proportions to produce a hydrolyzable alkyl silicon halide.

2,413,583
BLEACHING OF GROUNDWOOD
Russell C. Shearer, Raymondville, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application August 11, 1945, Serial No. 610,248
9 Claims. (Cl. 8—104)



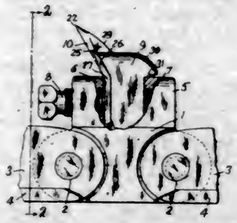
1. Method for forming and bleaching groundwood, which comprises abrading wood under conditions causing generation of substantial heat by friction at the point of abrasion, and applying substantially at such point a bleaching agent selected from the group consisting of alkaline solutions of hydrogen peroxide and solutions of alkali metal peroxides.

2,413,584
CONTROL INSTRUMENT
Frederick W. Side, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 8, 1940, Serial No. 364,881
2 Claims. (Cl. 188—94)



1. In an air control instrument having an expansible chamber, the combination of means to place the chamber in communication with the atmosphere including a junction member, tubular branches of various lengths connected therewith, a tubular ring member connected to each of said branches, a valve in each branch and a connection between the atmosphere and the interior of said ring.

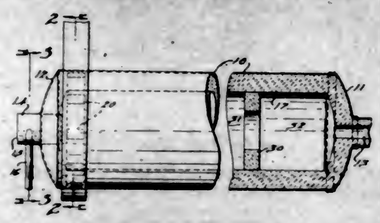
2,413,585
CUTTER CHAIN
Leon E. Simmons, Claremont, N. H., and Harry H. Vanderzee, Michigan City, Ind., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Application August 18, 1943, Serial No. 499,094
4 Claims. (Cl. 262—33)



1. In a cutter chain, a support having a socket provided with a relatively wide portion and a communicating relatively narrow portion having inner lateral surfaces spaced longitudinally of said support with respect to said wide portion, a cutter bit having a relatively wide cutting portion received in said wide portion of said socket, and a detachable holder engaging said bit for holding the latter in cutting position on said support with said relatively wide portion in said socket, and having a relatively narrow portion received in said narrow portion of said socket with the inner lateral surfaces of the latter engaging the outermost lateral surfaces of said narrow holder portion.

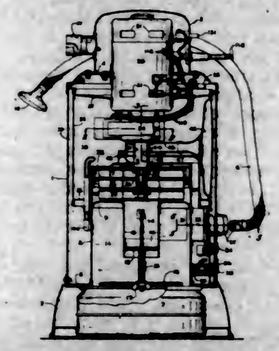
2,413,586
APPARATUS FOR PRODUCING CARBON BLACK
Robert W. Skoog, Borger, Tex., assignor to United Carbon Company, Inc. (Maryland), a corporation of Maryland
Application July 15, 1943, Serial No. 494,774
6 Claims. (Cl. 23—259.5)

1. A converter for producing carbon black from hydrocarbon gases, which comprises a substantially cylindrical refractory lined reaction chamber provided at one end with a fine outlet and at the opposite end with separate gas and air inlets, said gas inlet comprising a substantially cylindrical chamber having an open end communicating with the interior of said reaction chamber, and a gas supply pipe opening tangentially into a side of said cylindrical chamber, said air inlets extending into said reaction chamber on lines generally tangential to the circumference of the inner walls of said chamber, a manifold communicating with each of said air inlets and



with a source of air under pressure, said manifold having a progressively decreased cubical content in the direction of air flow thereby to supply to each of said inlets a substantially equal volume of air under substantially equal pressures whereby air is supplied to said reaction chamber as a plurality of separate air streams each of which is substantially equal in volume and pressure to the other of the said air streams, and means for separately regulating the relative amounts of gas and air introduced into said reaction chamber.

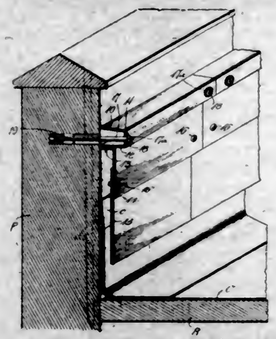
2,413,587
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 26, 1943, Serial No. 484,514
15 Claims. (Cl. 15—16)



1. A vacuum cleaner having an inlet port for dirt-laden air, a preliminary dirt separator, suction-creating means connected to said preliminary separator to draw air therethrough, a final dirt separator of the type in which the back pressure increases with the collection of dirt connected to said suction-creating means to receive air exhausted therefrom, dirt-removing means to remove foreign material from said final separator, air-conducting means to connect said dirt-removing means to said preliminary dirt separator for collection of said foreign material therein, valve means to control selectively the flow of air through said inlet port and through said air-conducting means, pressure-responsive means to actuate said valve means, and air-conducting means to connect said pressure-responsive means to a point of air flow in said cleaner.

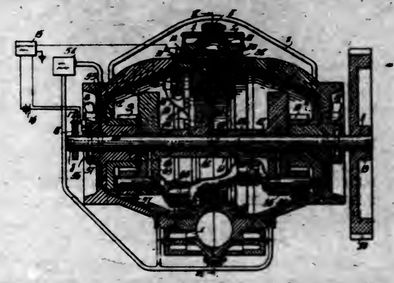
11. In a suction cleaner, a main cleaning nozzle, an initial dirt separator connected to said nozzle, a final dirt separator, a cleaning nozzle for said final separator, suction-creating means to move air through said nozzles and separators, valve means controlling and dividing the flow of air to said suction-creating means between said nozzles, fluid-pressure-operated means to ascertain the flow of air through said main nozzle, and means connecting said fluid-pressure-operated means to said valve means to move the latter to reduce the flow of air through said main nozzle upon said flow of air therethrough exceeding a predetermined rate and to increase the flow of air through said cleaning nozzle.

2,413,588
FLASHING STRUCTURE FOR ROOFS
Edward N. Smith, Scottsbluff, Nebr.
Application August 31, 1945, Serial No. 613,907
6 Claims. (Cl. 108—26)



1. In flashing structures for parapet roofs, wherein the roof deck coating extends upwardly upon and blends into the wall face of the parapet wall a material distance above the meeting angle of the deck and parapet wall, and wherein the coating at such meeting angle presents a curved face of the concave type to facilitate drainage, the combination with such roof assemblage, of a flashing assemblage supported by the parapet wall and forming a curtain for a material portion or portions of the parapet wall including the blending zone of such coating, said flashing assemblage being of sheet metal type and including an integral projecting wall formation of hollow character with its upper and lower walls of similar width and with the lower wall continued with a return bend for a width less than the width of such lower wall and then bent downward to form the upper zone of the depending curtain, means for anchoring said projecting wall formation to the parapet wall with the upper wall spaced below the top of the parapet, and a flat fly formation removably secured to the under face of the depending wall of the projecting wall formation, and extending downward a material distance below such blending zone and spaced from the deck coating, whereby drainage from the parapet wall and the curtain will normally fall to the deck in two spaced parallel vertical planes both spaced from the coating curved zone with the falling drainage content tending to provide a protection barrier for the coating curved zone against beating rainfall and with the curtain forming a barrier for the coating blending zone against rainfall, wind and sunshine access to the zone.

2,413,589
ROTARY INTERNAL-COMBUSTION ENGINE (ALTERNATING PISTON TYPE)
Richard L. Snyder, Glassboro, N. J., assignor of one-fourth to Henrietta B. Snyder, Glassboro, one-fourth to Richard L. Snyder, Jr., Princeton, and one-fourth to Christopher L. Snyder, Metuchen, N. J.
Application August 5, 1943, Serial No. 497,420
13 Claims. (Cl. 123—11)



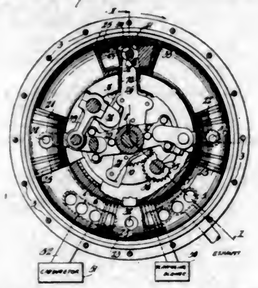
5. In a rotary reciprocating engine having means defining a toroidal cylinder cavity, said cavity being continuously slotted along the minimum radial periphery thereof, a gas seal-bearing comprising a pair of annular members each being substantially of an L cross-sectional shape, radial portions thereof extending complementarily within said slotted portion of said cavity means, pressure means for forcing said annular members together, and bearing means interposed between the non-radial portions of each of said annular members and said cavity means.

8. A rotary reciprocative machine including means providing at least one fixed continuous toroidal cylinder cavity having at least one pair of arcuate double-ended pistons in relatively reciprocative relation disposed therein, a drive shaft, means including a multiple throw crank shaft extending entirely through said toroidal means for imparting relative reciprocative motion to said pistons, means including pinions secured to the ends of said crank shaft cooperating with gears fixed to said toroidal means for deriving continuous rotary motion from said relatively reciprocative motion of said pistons, the thrust on said pinions being the resultant of the thrusts delivered from each pair of cooperating pistons to the crank shaft coupled to said pinions, and means including cylindrical cranks symmetrically disposed on said drive shaft with respect to said toroidal means and journalled to said crank shaft for transmitting said continuous rotary motion to said drive shaft and to said pistons within said fixed cylinder cavity.

2,413,590
ARCUATE PISTON
Richard L. Snyder, Glassboro, N. J., assignor of one-fourth to Henrietta B. Snyder, Glassboro, one-fourth to Richard L. Snyder, Jr., Princeton, and one-fourth to Christopher L. Snyder, Metuchen, N. J.
Original application August 5, 1943, Serial No. 497,420. Divided and this application March 27, 1945, Serial No. 585,139
2 Claims. (Cl. 121—49)

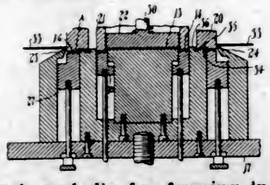
1. A counterbalanced piston for a rotary engine comprising a double-ended arcuate piston shell portion, a pair of eccentrically apertured bearings having their outer surfaces journalled in said shell portion, at least one counterweight

said shell portion, a piston pin journalled in said pivoted on said outer surfaces of said bearings and disposed to rotate with said bearings within



eccentric bearing apertures, and journal means for connecting said piston pin to an external utilization device.

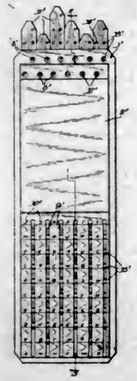
2,413,591
APPARATUS FOR FORMING CAN TOPS AND LIDS
Leonard W. Sturdy, London, Ontario, Canada
Application April 7, 1944, Serial No. 529,904
4 Claims. (Cl. 113—42)



1. A punch and die for forming in one operation a top for a can and a lid for another can of a different size, comprising means for cutting a blank from suitable stock, means for clamping the rim of said blank, means for forming an annular loop in said blank inside of said rim and an annular flange on said blank inside of said loop as said clamping means retards the movement inwardly of the material, means for cutting out a disc from said blank, including a forming ring in the die having an inner annular cutting edge, means for clamping the rim of said disc, and means for forming a flange on said disc characterized in that it includes a central cylindrical forming member in the die, having a peripheral drawing shoulder of a less diameter than said cutting edge which provides a space receptive to an annular member on the punch having an inner drawing shoulder for co-acting with said drawing shoulder to flange the disc, said space containing a clamping ring operative to eject the disc upwardly from the die in the return stroke of the press.

2,413,592
CODING AND DECODING CHART FOR CRYPTOGRAPHY
Charles B. Strother, Cincinnati, Ohio, assignor of one-half to Lawrence H. Forster, Dayton, Ohio
Application August 3, 1944, Serial No. 547,894
1 Claim. (Cl. 35—2)

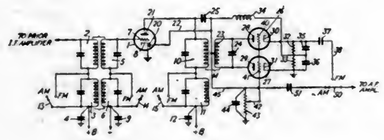
A device of the character described, comprising a substantially rectangularly shaped body having a chamber in and disposed longitudinally of the same opening onto the normally upper end thereof, the normally upper portion of the face side of said body having longitudinally arranged columns of relatively equi-spaced windows formed therein, the windows of said columns being transversely aligned and relatively spaced, portions of the body face side in proximity to each of said windows having appropriate symbols presented thereon, a portion of said body face side in proximity to the open upper end of the chamber in the body having a plurality of transversely arranged windows formed therein corresponding in number to said columns of windows, said transversely arranged windows being individually offset positioned with relation to said longitudinally arranged columns of windows, the normally lower portion of said body face side having a plurality of longitudinally extending equi-spaced and relatively parallel slots formed therein each extending upwardly into proximity to the lower end of the body face side upper portion and downwardly into proximity to the lower



end of the normally lower portion of the body face side, said slots corresponding in number to the number of columns of windows in the normally upper portion of the body face side and laterally offset with relation thereto and the normally lower portion of the body face side having longitudinally arranged columns of equi-spaced symbols presented thereon between said slots, and a plurality of juxtaposed flat strip-like elements corresponding in number to said columns of windows and slots slidable within the body chamber through its open upper end, each of said elements having a plurality of openings formed in their normally lower portions disposed longitudinally of the same and relatively spaced to substantially correspond to the spacing between the symbols on the normally lower portion of the body face side, and the normally upper portions of said elements each having a plurality of longitudinally arranged symbols presented on their face sides relatively spaced to correspond to the spacing between the columns of windows in the normally upper portion of the body face side and selectively registrable therewith.

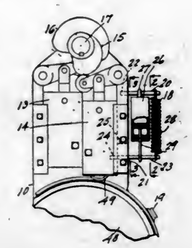
2,413,593
RADIO RECEIVER
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1944, Serial No. 548,162
9 Claims. (Cl. 250—27)

1. In combination in a frequency modulated wave receiver of the type comprising a demodulator having an input circuit upon which is impressed frequency modulated waves, said demodulator consisting of a pair of triodes connected as diode rectifiers in a push-pull circuit constructed and arranged to convert the waves into modulation voltage; the improvement which comprises means coupled to said input circuit



for producing a uni-directional voltage in response to amplitude variations in the impressed waves, and means responsive to said uni-directional voltage for controlling the internal resistance between the cathode and anode of each diode rectifier in like senses and to an extent to compensate for said amplitude variations.

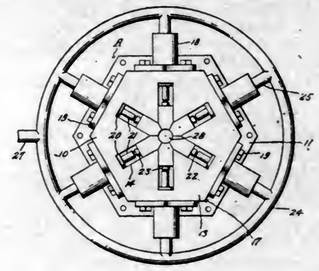
2,413,594
MEANS FOR CURLING OPEN-END DRUMS
Wendell H. White, Martinez, Calif.
Application November 7, 1944, Serial No. 562,342
6 Claims. (Cl. 113—7)



1. An attachment for double seamers having a base and a movable standard, comprising; end-curling rolls for curling the end of a cylindrical shell and supported by said standard, a slide operating at right angles to the axis of the cylindrical shell and guiding means on said standard for said slide; a skirt-curling roll rotatably mounted at the lower end of said slide with its axis parallel to the axis of the shell; a cylinder having a piston having an operative connection with said slide for urging said skirt-curling roll to curling position on said shell; and a supply of air under pressure and control means therefor for said cylinder; said control means including a valve, and means for controlling said valve through relative movement of said standard on said base.

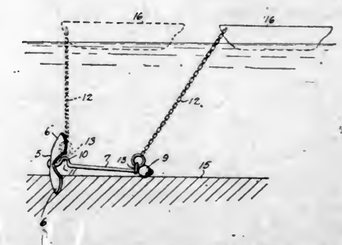
2,413,595
AUTOMATICALLY ADJUSTABLE WIRE ROPE DIE
Winston D. Wiser, Muncy, Pa.
Application August 28, 1945, Serial No. 613,191
4 Claims. (Cl. 57—138)

1. A die of the character described, comprising a head having a plurality of centrally disposed automatically adjustable tool pieces therein grouped to form a strand wire rope-way therebetween, and individual hydraulic plunger means



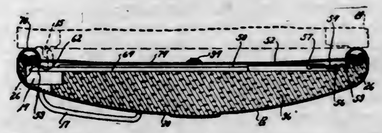
operable upon each of said pieces for exerting uniform pressure thereon throughout the group.

2,413,596
ANCHOR
William H. Wood, Jr., Ansonia, Conn.
Application March 17, 1944, Serial No. 526,947
5 Claims. (Cl. 114—207)



1. An anchor comprising a body having suitable flukes, a shank connected at one end for turning movements in the body, a counterweight on the opposite end of the shank, a ring between the body and weight and slidable along the shank, a flexible chain or cable connected to the ring, and an offset loop in the shank adjacent the body adapted to receive and retain the ring on a lifting pull on the chain or cable to release the flukes.

2,413,597
REFRIGERATING APPARATUS
George M. Armstrong, Grand Rapids, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application August 1, 1941, Serial No. 404,996
3 Claims. (Cl. 20—38)



1. A door for a refrigerator cabinet having an outer metal panel with sides, said sides having an inwardly directed flange portion, a door latch casing supported between said flange and outer panel, a cross member extending between opposite sides of said door in frictional engagement with underside of said flange, and said cross bar embracing the sides and top edge of said casing for wedging said casing against said outer panel.

2,413,598
CATALYTIC CONVERSION OF ALICYCLIC KETONIC COMPOUNDS

Seaver A. Ballard, Oakland, and De Loss E. Winkler, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

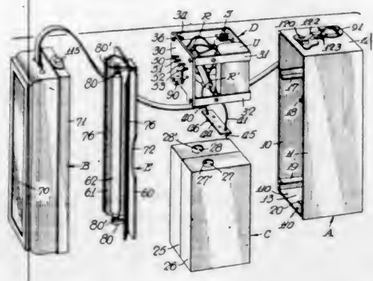
No Drawing. Application March 23, 1943, Serial No. 480,259
16 Claims. (Cl. 260—290)

1. A process for the production of 3,5-dimethyl aniline and symmetrical collidine from isophorone, which comprises mixing isophorone vapors with ammonia in a mol ratio of about ten mols of ammonia per mol of isophorone, conveying said vaporous mixture, at an elevated pressure of about 300 pounds per square inch, over a solid catalyst essentially comprising an activated bauxite, maintaining the reaction temperature at about 500° C., and recovering 3,5-dimethyl aniline and symmetrical collidine from the reaction products thus formed.

2,413,599
PORTABLE FLUORESCENT LAMP

Morris B. Beck, Lawrence, N. Y., assignor to Consolidated Investing Company, New York, N. Y.

Application November 2, 1943, Serial No. 508,680
4 Claims. (Cl. 240—10.65)



1. A portable lamp comprising a body casing member, a cover member, a lighting unit, a source of electric energy to energize said lighting unit and a wiring unit, said casing member having its containing space divided into two compartments in open communication one above the other, said compartments being so dimensioned that the wiring assembly unit can be received snugly within the upper compartment and the energy source unit can be received snugly within the lower compartment and the two can be electrically connected through the opening between the compartments, said lighting unit comprising a base, a fluorescent lamp carried thereby and a reflector interposed between the lamp and the base, the lighting unit being so dimensioned that it can be received in nested relation within the cover member and said cover member having its front face comprised of a light transmitting material, terminals from each of the two lamp electrodes extending from the rear face of said body member of the lighting unit and a corresponding number of terminals extending from the front face of the wiring assembly unit, the terminals being so positioned that when the cover is closed over the body member with the three aforementioned units assembled as set forth the fluorescent lamp will be properly related to the light transmitting front face of the cover member and the contacts from the lamp electrodes will be properly electrically related to the contacts of the wiring assembly unit, and the wiring assembly unit in turn will be properly electrically related to the electric energy unit so that the circuits will be completed for energizing the lamp merely by applying the cover to the body member.

3. A portable, direct current operable, lamp including a luminescent tube with a tube enclosed filament at each end with the electrodes thereof exposed at opposite ends of the tube, a portable housing for supporting said tube, a source of direct current supported by and movable with said housing and inherently subject to power variation incident to standing and use, circuit connections including an inductor, a plurality of switches and a plurality of resistances, said connections connecting the tube to said source, the switches including housing exposed portions for manual operation, one of the switches being arranged to connect the filaments in series for starting and to interrupt said series connection for running, the circuit for starting and running always including a resistance, another of the switches being selectively operable to include a resistance in the circuit upon source deterioration, which resistance is of lesser effective value than the effective value of the resistance initially included in the circuit for normal running purposes when the source has not deteriorated, the lesser effective resistance insuring continued running despite source deterioration.

2,413,600
METHOD OF MAKING RETICLES

Everett C. Bierman, Charlotte, N. C., assignor to Semagraph Company, Charlotte, N. C., a corporation of Delaware

Application June 23, 1942, Serial No. 448,114
2 Claims. (Cl. 95—5)



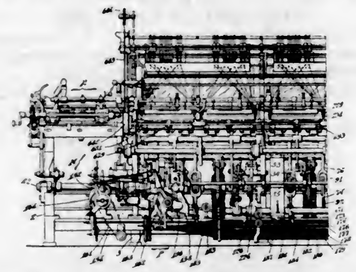
2. A photographic method of producing reticles comprising coating a transparent body with a light sensitive, ammonium bichromate, gelatin, and glue composition, exposing the coating to a light projected image of fine lines to effect a reproduction of said lines on said transparent body, removing the unexposed areas of the coating, washing said transparent body with an acetic acid solution to effect hardening of said lines, and heating the acetic acid hardened lines to effect further hardening thereof, whereby a photographic positive reticle resistant to abrasion and solvents is produced on the transparent body.

2,413,601
AUTOMATICALLY PERFORMING WELTING OPERATIONS

Gottlob Bitzer, Lincoln Park, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application June 10, 1941, Serial No. 397,452
74 Claims. (Cl. 66—96)

1. The method of hooking up and turning the welt during the knitting of a full-fashioned stocking comprising advancing welt hooks between the needles to engage the loops of the first course as they are drawn down off the ends of the sinkers and dividers, casting off loops from alternate needles, drawing off a number of subsequent courses of the welt fabric by tension applied to said hooks, placing a welt rod on the partially knitted welt fabric, reversing the direction of movement of said first course by pressing against its yarn with the grooved ends of transfer members moving in alinement with alternate needles to draw the welt fabric around the welt rod, and finally transferring the loops of the first course back to the needles by thrusting alternate needles into said grooves to pick the loops from said members and thereafter withdrawing said members and hooks.



2,413,602
BEARING STEELS

Frederick R. Bonte, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

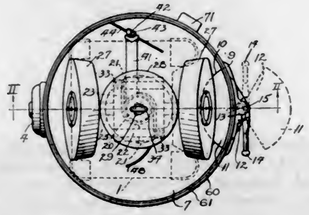
No Drawing. Application June 9, 1944, Serial No. 539,594
8 Claims. (Cl. 148—31)

1. As a new article of manufacture, a hot worked article hardened by heat treatment and formed from steel containing about 0.8 to 1.25 per cent of carbon, about 0.2 to 0.75 per cent of molybdenum, about 1 to 1.5 per cent of silicon, and the remainder effectively iron, the article having dispersed throughout its structure a portion of said carbon in the form of uniformly dispersed fine carbides, and another portion as graphitic carbon but in an amount not exceeding about 0.3 per cent as the maximum amount producible by heat treatment.

2,413,603
MIXER

Alfred C. Christensen, Chicago, Ill., assignor to Herbert S. Simpson, Evanston, Ill.

Application May 10, 1944, Serial No. 534,912
15 Claims. (Cl. 259—40)

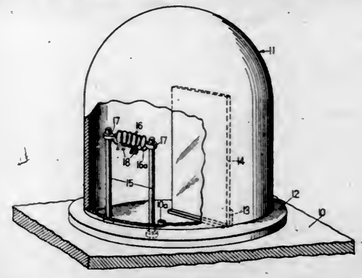


1. A mixing and mulling machine comprising a container, a shaft journaled in said container, means for driving said shaft, a propulsion head secured upon said shaft within the container, muller brackets pivotally supported on said head, beveled mullers, means for rotatably mounting the beveled mullers on said brackets in canted positions, and means supported on said brackets for varying the effective operating weights of the beveled canted mullers.

2,413,604
METHOD OR PROCESS OF EVAPORATING METALS

William H. Colbert and Arthur R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application May 27, 1944, Serial No. 537,675
6 Claims. (Cl. 117—107)

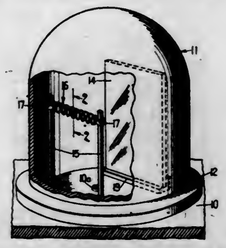


2. The method of producing coatings by evaporation of a metal of the silver chemical periodic table family from a filament selected from the group consisting of tungsten, tantalum, molybdenum and columbium, wherein the metal to be evaporated is alloyed with a metal selected from the group consisting of platinum and palladium and is heated on said filament, and wherein said platinum or palladium causes the metal desired to be evaporated to wet, to adhere to, and to spread out over the filament surfaces and by the continued application of heat, to evaporate and to deposit upon an article to be coated.

2,413,605
PROCESS OF EVAPORATING METALS

William H. Colbert and Arthur R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

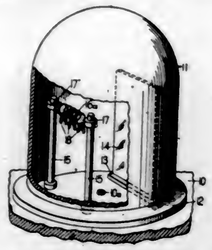
Application May 27, 1944, Serial No. 537,676
9 Claims. (Cl. 117—107)



1. The method of producing coatings by the evaporation of a metal melting below 1900° C. from a filament selected from the group consisting of tungsten, tantalum, molybdenum and columbium which it normally does not wet or adhere to, wherein pieces of the metal are applied to the filament and heated on such filament, in

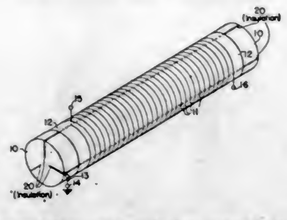
which said filament has been previously alloyed with another metal selected from the group consisting of platinum, palladium, iron, nickel and cobalt, which alloyed filament causes the metal desired to be evaporated to wet, to adhere to, and to spread out over the filament surfaces, and by the continued application of heat, to evaporate and to deposit upon an article to be coated.

2,413,606
METHOD OF COATING BY EVAPORATING METALS
William H. Colbert and Arthur R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 1, 1944, Serial No. 552,290
14 Claims. (Cl. 117—107)



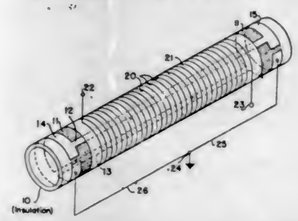
1. The method of making mirrors by the deposition of a metal on a polished support material, comprising evaporating a metal from a filament made of a metal selected from the group consisting of tungsten, tantalum, molybdenum and columbium wherein the metal to be evaporated is heated on such filament as an alloy with beryllium which causes the metal desired to be evaporated to wet, to adhere to, and to spread out over the filament surfaces and by the continued application of heat, to evaporate, and depositing a coating thereof on said polished support material.

2,413,607
TIME-DELAY NETWORK
Michael J. Di Toro, Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application March 12, 1945, Serial No. 582,283
6 Claims. (Cl. 178—44)



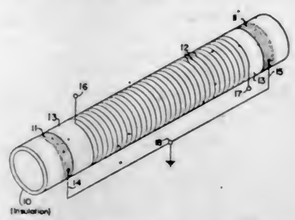
1. A time-delay network for translating signal components included within a predetermined range of frequencies comprising, an elongated and substantially solid core structure of conductive material, an elongated winding insulated from but electrically coupled along its length to said core structure to provide in said network a distributed capacitance comprising the capacitance between said winding and said core structure for determining in conjunction with the inductance of said winding the time delay of said network, said core structure having such conductivity that the eddy-current and conduction-current losses thereof are approximately equal at the mid-frequency of said range.

2,413,608
TIME-DELAY NETWORK
Michael J. Di Toro, Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application March 12, 1945, Serial No. 582,284
7 Claims. (Cl. 178—44)



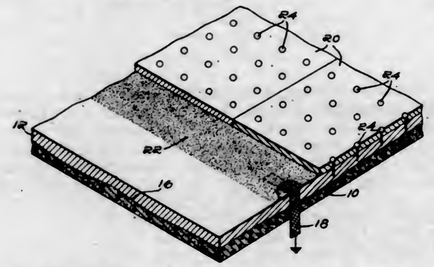
1. A time-delay network for translating signal components included within a predetermined range of frequencies comprising, an elongated structure having a predetermined coductivity and having a peripheral coating of conductive material of substantially greater conductivity, an elongated winding insulated from but electrically coupled along its length to said structure to provide in said network a distributed capacitance comprising the capacitance between said winding and said structure for determining in conjunction with the inductance of said winding the time delay of said network, and a longitudinal conductor conductively connected along its length to said coating and having a substantially lower impedance per unit length than said coating and such cross-sectional configuration as to be linked by only a small fractional portion of the magnetic flux of said winding.

2,413,609
TIME-DELAY NETWORK
Harold A. Wheeler, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application March 12, 1945, Serial No. 582,285
9 Claims. (Cl. 178—44)



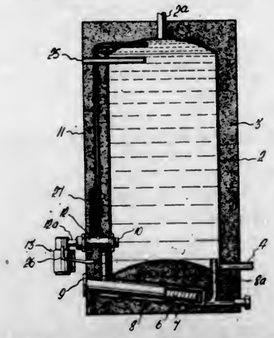
1. A time-delay network for translating signal components included within a predetermined range of frequencies comprising, an elongated structure including a conductive material, and an elongated winding insulated from but electrically coupled along its length to said structure to provide in said network a distributed capacitance comprising the capacitance between said structure and said winding for determining in conjunction with the inductance of said winding the time delay of said network, said conductive material having such conductivity and constituting such portion of said structure that the eddy-current losses in said conductive material are approximately equal to the conduction-current losses thereof at the mid-frequency of said range.

2,413,610
SPARKPROOF FLOORING AND THE LIKE
William W. Donelson, Boston, Mass., assignor to The Federal Flooring Corporation, Boston, Mass., a corporation of Massachusetts
Application February 6, 1943, Serial No. 474,953
2 Claims. (Cl. 175—264)



1. A sparkproof flooring or the like comprising a sub-floor, a layer of conductive material thereon, a top flooring on and covering said layer, electro-conductive nails having sharpened shanks driven downwardly through the top flooring and into the conductive material and having heads driven into contact with and exposed at the top face of the top flooring, and means grounding the conductive material.

2,413,611
ELECTRIC WATER HEATER OF THE STORAGE TYPE
Arthur Robert Draffin, Camberwell, Melbourne, Victoria, Australia
Application December 26, 1944, Serial No. 569,840
In Australia December 13, 1943
11 Claims. (Cl. 219—39)



1. In a water heater of the storage type suitable for operation under the off-peak and the ordinary tariffs of electric supply, a hot water storage vessel, a heating element of the water circulating type having a water inlet connected with the lower part of said vessel, a thermostat control device for said heating element, and a water flow circuit extending between a hot water outlet of said heating element and upper and lower hot water inlets of said vessel, said circuit having interposed therein the control device which, selectively, directs heated water exclusively from the heating element into the lower part of said vessel so that the entire body of water therein is gradually raised to a desired even temperature throughout or exclusively directs all of the hot water from the heating element into the top part of the vessel so as to effect a rapid development of hot water for immediate withdrawal.

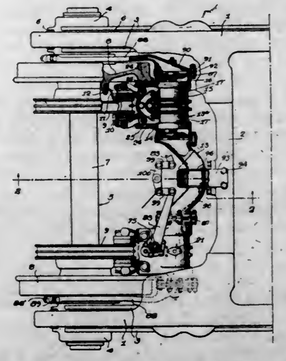
2,413,612
HIGH MOLECULAR POLYHYDRIC ALCOHOLS
Eddy W. Eckey, Wyoming, Ohio, and James E. Taylor, Louisville, Ky., assignors to The Procter & Gamble Company, Ivorydale, Ohio, a corporation of Ohio
No Drawing. Application April 22, 1943, Serial No. 484,074
5 Claims. (Cl. 260—617)

1. Unsaturated polyhydric alcohols having the structure of heat polymerized fatty acids with primary alcohol groups in place of the carboxyl groups of said acids, said polyhydric alcohols containing from 32 to 48 carbon atoms, and having an average of at least one double carbon bond per primary alcohol group.

2,413,613
HIGH MOLECULAR POLYHYDRIC ESTERS
Eddy W. Eckey, Wyoming, Ohio, and James E. Taylor, Boonton, N. J., assignors to The Procter & Gamble Company, Ivorydale, Ohio, a corporation of Ohio
No Drawing. Original application April 22, 1943, Serial No. 484,074. Divided and this application June 6, 1946, Serial No. 674,938
4 Claims. (Cl. 260—410.6)

1. Esters of unsaturated polyhydric alcohols with unsaturated fatty acid polymers, said alcohols having the structure of heat polymerized fatty acids with primary alcohol groups in place of the carboxyl groups of said acids, said polyhydric alcohols containing from 32 to 48 carbon atoms, and having an average of at least one double carbon bond per primary alcohol group.

2,413,614
BRAKE MECHANISM
Carolus L. Eksergian, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 26, 1941, Serial No. 399,779
37 Claims. (Cl. 188—153)



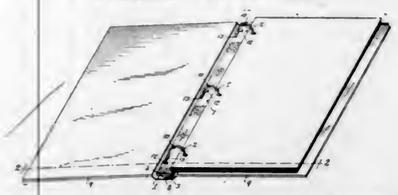
1. In a brake mechanism, a brake cylinder and shoe unit adapted to be assembled as a unit in a brake support and forming a brake-load-car-

rying part thereof, said unit comprising a casing, a cylinder bore formed therein, a pair of pistons slidable in said bore and means for applying fluid pressure between them to force them apart, a pair of levers pivoted in the casing and each having arms projecting, respectively, one into the cylinder bore for engagement with a piston and the other beyond the casing, said last-named arms carrying brake shoes, and resilient means in the casing for returning the levers to inoperative position.

2,413,615
NICOTINIC ACID PROCESSES
Sidney W. Fox, Ann Arbor, Mich., assignor to The Upjohn Company, Kalamazoo, Mich.
No Drawing. Application September 4, 1942, Serial No. 457,313
8 Claims. (Cl. 260—295)

1. In the method of producing a substance from the group consisting of a salt of nicotinic acid and nicotinic acid, the steps of reacting a trigonelline salt with an ammonium salt, and a halogen acid with the application of heat.

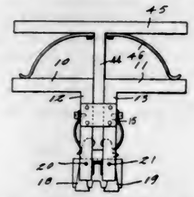
2,413,616
LOOSE-LEAF BINDER
Albert Freundlich, New York, N. Y., assignor to Spiral Binding Company, Inc., New York, N. Y., a corporation of New York
Application September 28, 1943, Serial No. 504,093
3 Claims. (Cl. 129—24)



3. A loose-leaf binder comprising a back and covers, a flat relatively rigid base secured to said back, a flexible covering around said base, means adhesively securing said flexible covering to the upper and under surfaces of said base, said flexible covering along one longitudinal edge of said base being spaced from the latter and spanning the distance between the upper and lower surfaces of said base to provide an elongated opening defined by such longitudinal edge and said portion of the flexible material spanning said edge, a filler carrying member movably connected to said base member and being provided with a filler retaining loop and leg portions extending longitudinally of the base member and positioned within said elongated opening alongside said longitudinal edge, said edge spanning portion of the flexible material being provided with an aperture through which extends the base portion of said loop, and cooperating locking means provided on the outer free edge of said retaining loop and on the other longitudinal edge of said base member for locking the loop in closed position.

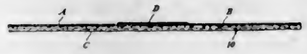
2,413,617
MEANS FOR ATTACHING RIBS TO UMBRELLA COVERS
David Gershman, New York, N. Y.
Application May 19, 1944, Serial No. 536,361
4 Claims. (Cl. 1—49)

1. A stapling machine for attaching an umbrella cover to the intermediate portion of a rib, including in combination L-shaped members forming the head, a staple magazine to one side and near the lower end of such head for feeding one staple at a time into the head, a plunger mounted for sliding movement in said head, springs for holding the plunger upwardly, the lower end of the plunger being provided with a staple engaging portion to engage and force the staple in the head downwardly when the plunger



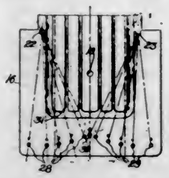
is forced against the spring action thereof, a pair of spring-pressed claws mounted in the head adjacent the mouth of the magazine, the lower staple engaging ends of which are normally held away from the staple, and cooperative means carried by the claws and the plunger for causing the claws to engage the terminals of the staple as the plunger moves downwardly to bend such terminals around and below the rib and through a portion of the cover.

2,413,618
THERMOCOUPLE
Arnold Graves, Surbiton, and Gilbert Arthur Richard Tomes, West Wickham, England; said Tomes assignor to Alltools, Limited, Brentford, England, a company of Great Britain
Application July 13, 1943, Serial No. 494,578
In Great Britain August 19, 1942
2 Claims. (Cl. 136—5)



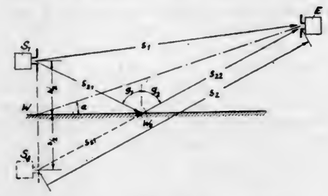
1. A thermocouple, comprising a narrow strip of rice paper, of thickness not exceeding about one thousandth of an inch, having a surface thereof covered by contacting exceedingly thin, uniform and homogeneous deposits of thermo-electrically dissimilar materials constituting the elements of the thermocouple.

2,413,619
MACHINE FOR GRINDING ORTHODONTIC MODELS
Willis H. Grinnell, Newton Center, Mass.
Application October 31, 1945, Serial No. 625,829
3 Claims. (Cl. 51—240)



3. In a model-grinding machine of the class described, the combination with the abrasive disk rotatable on a horizontal axis, of a horizontal shelf fixedly supported in proximity to the model-engaging face of said disk and on which the models are manually held while slid into engagement with said face; two spaced-apart pivot posts projecting upwardly from said shelf in front of said disk; a straight gauge bar seated upon said shelf and made adjacent to its one end with an aperture adapted to be occupied by one of said posts thereby to pivotally and separably connect said bar with said shelf so that it can be adjusted angularly to vary its angular relationship to said disk; means for securing said gauge bar in each of its different angular positions, said means consisting of two series of angularly spaced apart sockets one of which series is formed in said shelf around one of said posts and the other of which is formed in said shelf around the other post, and a dowel that is removably fitted within a hole provided in said gauge bar and projects into one of said sockets to hold said gauge bar in its adjusted position, said gauge bar serving through engagement with a facet of a model to maintain said facet at a predetermined angle relatively to said disk while the model is being operated upon by said disk.

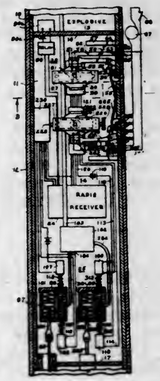
2,413,620
DIRECTION FINDING SYSTEM
Gustav Guanella, Zurich, Switzerland, assignor, by mesne assignments, to Patents Research Corporation, New York, N. Y., a corporation of New York
Application June 19, 1940, Serial No. 341,225
In Switzerland October 16, 1939
6 Claims. (Cl. 250—11)



2. In a radio direction finding system, a transmitting antenna, a reflecting surface arranged in relatively fixed spaced relation to said antenna, a receiver located at a distant point, means for radiating electric waves from said antenna whereby said waves arrive at said receiver both over a direct path from said antenna and an indirect path by way of reflection by said surface, means for periodically varying the frequency of the waves radiated according to a predetermined schedule, means associated with said receiver for producing a beat signal from the waves received over the separate paths, and means for utilizing the frequency of said beat signal as an index of the directional angle of the line connecting the point on said surface directly opposite to said antenna with said distant point with respect to a fixed reference line.

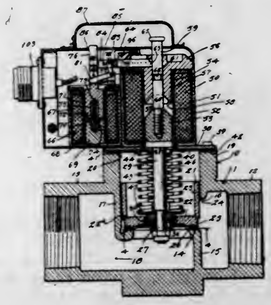
2,413,621
RADIO CONTROLLED ROCKET
John Hays Hammond, Jr., Gloucester, Mass., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 22, 1944, Serial No. 527,536
6 Claims. (Cl. 102—50)

4. In a rocket, jet propulsion means, sets of crossed rudders for steering the rocket in four directions, a directive radio antenna in alignment with each rudder and directionally receptive to radiant energy received from the rear only, a radio receiver in said rocket connected to be energized by the received energy and including circuits selective of different control signals, rud-



der control means connected to be actuated by said selected signals for steering said rocket, a detonator and additional means connected to be actuated by selected signals to actuate said detonator.

2,413,622
ELECTRICALLY OPERATED VALVE
John Harding, Jr., Dallas, Tex.
Application February 14, 1944, Serial No. 522,367
2 Claims. (Cl. 137—139)



1. In a valve structure, a housing, a seat in said housing, a valve member engageable on said seat, a spring constantly urging said member toward said seat, and an electro-magnet operator connected to said valve member for moving the latter to open position, said operator comprising a solenoid coil, a core slidable in said coil, means securing said core to said valve member, a stem extending from said core and formed with an annular groove, a latching bar slidably carried by the outer end of said coil and engageable in said groove for holding said core in valve opening position, a releasing solenoid coil, a core slidable in said releasing solenoid coil, and a bell-crank connection between said latter core and said bar, and a spring constantly urging said latter core outwardly of said releasing solenoid coil, said latter spring also biasing said bell-crank and latching bar toward latching position.

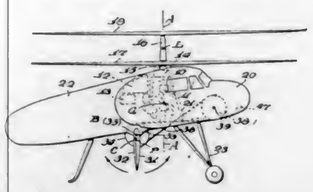
2,413,623
PRODUCTION OF VINYL CYANIDE
Charles R. Harris, Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 22, 1944, Serial No. 519,381
6 Claims. (Cl. 260—464)

1. A process for the production of vinyl cyanide which comprises reacting hydrocyanic acid with acetylene in the vapor phase at a temperature of 350 to 700° C. in the presence of an alkali metal cyanide catalyst, the reaction mixture initially containing, for each volume of hydrocyanic acid 1.05 to 3 volumes of acetylene and 0.5 to 98 volumes of hydrogen, said mixture containing not less than about 2% by volume of hydrogen.

2,413,624
HARDENABLE UREA-ALDEHYDE RESINS
Raymond R. Harris, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 5, 1943, Serial No. 505,032
8 Claims. (Cl. 260—39)

1. A hardenable condensation product of a urea and an aldehyde intimately mixed with a curing catalyst which is selected from the group consisting of ammonium silicofluoride and ammonium borofluoride.

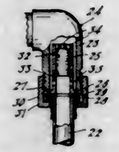
2,413,625
CONTROL MEANS FOR HELICOPTERS
Russell R. Hays, Lawrence, Kans.
Application June 23, 1943, Serial No. 491,977
4 Claims. (Cl. 244—17)



1. In a helicopter, a fuselage containing the center of gravity of said helicopter, a transverse shaft mounted on said fuselage below and behind said center of gravity, a wing pivotally mounted on said shaft and extending laterally from said fuselage, vertically disposed coaxial drive shafts mounted in said fuselage with their axis passing between said wing and said center of gravity and horizontally disposed coaxial lifting propellers mounted on said drive shafts above said fuselage.

2,413,626
CLEANER FOR BEER DISPENSING SYSTEMS
Edward G. Hedges, Newark, N. J.
Application December 8, 1944, Serial No. 567,160
2 Claims. (Cl. 225—12)

1. For use with a piping system having a mechanical cleaning unit movable therethrough under the influence of fluid under pressure, a trap for said cleaning unit including a casing having inlet and outlet openings for connection to pipes, a trap housing mounted within said casing and having a chamber formed with openings for passage of fluid through said chamber between said inlet and said outlet of said casing, one of said openings being formed for passage of a mechanical cleaning unit from said inlet end of said casing into said chamber, said housing having means to prevent passage of said cleaning unit in any other way into or out of said chamber, a portion of said trap chamber inwardly of the first-mentioned opening being adapted to receive said

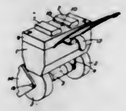


cleaning unit and a portion of the walls of said housing being spaced from the walls of said casing, said portion of the housing walls having passages between said portion of said chamber and said inlet end of said casing for flow of fluid in both directions through said casing around the portion of said housing in which said cleaning unit is trapped.

2,413,627
PARASITICIDAL COMPOSITIONS
William F. Hester, Drexel Hill, and W E Craig, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 3, 1942, Serial No. 445,645
6 Claims. (Cl. 167—30)

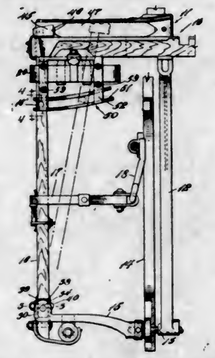
6. A parasiticidal composition containing as the sole fungicidal and insecticidal agent the copper salt of an N-acylated amino acid selected from meta-aminobenzoic acid and para-aminobenzoic acid and a carrier therefor.

2,413,628
PORTABLE ELECTRIC HAND LAMP SUCH AS AN INSPECTION LAMP
Reinhard Paul Henry Hinds, Petts Wood, England
Application February 21, 1944, Serial No. 523,278
In Great Britain November 11, 1943
5 Claims. (Cl. 240—52.15)



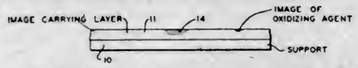
1. A portable electric lamp comprising a U-shaped member made of insulating material consisting of a body portion connecting a pair of limbs, a magnet mounted in said body portion and having its poles extending outwardly thereof, a pair of conductors each having one end mounted in said insulated body portion for holding a light source between said limbs, an elongated light source having a line axis held between said conductors and positioned between the limbs so that the axis of the light source is substantially parallel to the body portion connecting the pair of limbs, and a cylindrical reflector segment pivotally mounted on said limbs so that the axis of the reflector coincides with the axis of the light source.

2,413,629
SHUTTLE PROPELLING MECHANISM
Harold Hoeber, New Bedford, Mass.; Barbara O. W. Hoeber and William T. Read, executors of said Harold Hoeber, deceased, assignors to Textile Research Co., a corporation of Massachusetts
Application December 11, 1944, Serial No. 567,738
10 Claims. (Cl. 139—149)



1. In a shuttle propelling mechanism for a loom having a lay beam, a picker stick, a picker thereon adjacent one end, means to mount the other end of the picker stick for pivotal movement and for movement in the direction of its length, and guide means located adjacent the picker end of the picker stick and the lay beam to move the picker toward and from the pivoted mounting of said stick.

2,413,630
PROCESS FOR PRODUCING IODINE IMAGES
Helen P. Husek, Allston, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application August 3, 1944, Serial No. 547,977
21 Claims. (Cl. 95—6)

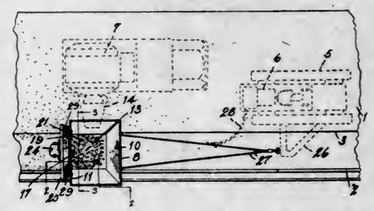


1. The method of producing an iodine image which comprises providing a suspension of at least one photosensitive ferric salt in a permeable, relatively water-insoluble carrier, differentially exposing the suspension to light to produce a ferrous salt image, removing unexposed ferric salt from the suspension, converting the ferrous salt to an oxidizing agent having a sufficient oxidation potential to release iodine from an iodide, and reacting said oxidizing agent with an iodide in the presence of a solvent for said oxidizing agent to form an image comprising iodine and corresponding to said ferrous salt image.

2,413,631
WHITENING EGGS
James D. Ingle, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 6, 1940, Serial No. 355,667
20 Claims. (Cl. 99—230)

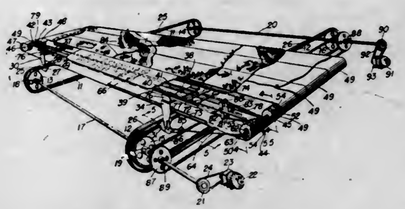
13. The method of whitening naturally colored shell eggs which comprises disintegrating and removing the bloom of the shell by treating the shell with a solution containing an oxidizing agent.

2,413,632
CONCRETE PLACEMENT APPARATUS
Corwill Jackson, Ludington, Mich.
Application April 13, 1942, Serial No. 438,757
12 Claims. (Cl. 94—44)



12. In an apparatus of the class described, the combination of a hopper adapted to travel on longitudinal form elements, said hopper having a bottom discharge opening and a rear discharge opening in its rear wall, a vibratory strike-off member mounted at the rear of and transversely of the path of travel of the hopper in opposed spaced relation to said rear discharge opening, resilient connections of substantial flexibility for connecting said strike-off member to said hopper, said strike-off member having a relatively narrow bottom edge for engaging the concrete beneath the same and means for vibrating said strike-off member.

2,413,633
ARTIFICIAL LANDSCAPE
Clifton M. Jones, New York, N. Y.
Application May 3, 1945, Serial No. 591,825
14 Claims. (Cl. 35—10)

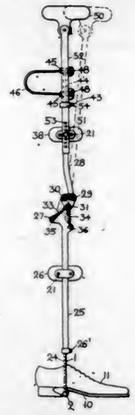


1. A device of the character described providing a surface continuously movable in any desired direction, the device comprising, in combination, an endless conveyor; a plurality of belts carried by said conveyor, said belts being movable in a direction at right angles with respect to the direction of movement of said conveyor; means for driving said conveyor; and means for driving said belts.

2,413,634
CALIPER BRACE
John Kolarik, Brooklyn, N. Y.
Application May 18, 1944, Serial No. 536,076
5 Claims. (Cl. 128—80)

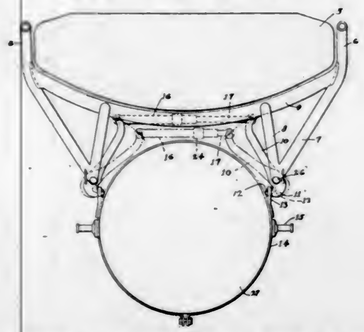
1. A caliper brace comprising a thigh member and a calf member; means to support the thigh member on a patient's thigh; means to support the calf member on the patient's calf; an inverted triangular enlarged portion at the lower end of the thigh member, the thigh member

extending from the upper front corner of the triangular portion; a pivot offset rearwardly from the axis of the thigh and calf members connecting the upper rear corner of the thigh enlarged portion with the upper end of the calf enlarged portion; means at the lower end of the triangular



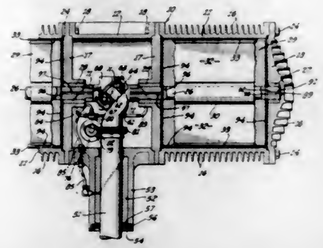
enlarged portion to limit the forward rotation of the members on the pivot; and a spring connecting the lower corner of the triangular enlarged portion with the rear end of the rearward extension of the calf member for urging the thigh member into the position of engagement with the calf member.

2,413,635
BOMB RACK
John G. Lee, Farmington, Conn.
Application December 17, 1935, Serial No. 54,902
2 Claims. (Cl. 89—1.5)



1. A bomb rack, comprising a pair of spaced apart depending bracket members, a lever pivotally mounted at the lower end of each bracket and having a hook at one end, the pivot for each lever being adjacent the hook thereon and the said hooks being turned toward each other to engage a bomb, the bight face of each hook being offset from the pivot of the lever, a telescoping member comprising two elements extending transversely to the axis of a bomb carried by said rack, the said elements being each respectively pivoted to one of said levers at the end of the lever remote from the hook thereon, and a bell crank latch mounted on the outer one of said elements and having on one arm a hook extending through the said outer element to engage the inner of said elements to lock said elements in the extended position and retain said hooks in engagement with a bomb, whereby when said latch is moved to the unlocking position the weight of a bomb carried by the hooks on said levers will rotate said levers on their pivots and release the bomb.

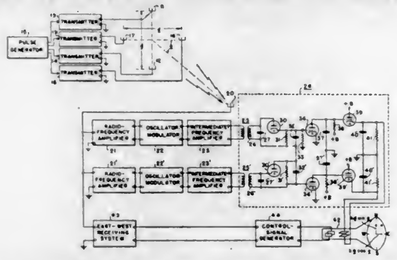
2,413,636
COMPRESSOR UNIT
James M. Long, Henderson, Nev.
Application August 30, 1946, Serial No. 693,950
8 Claims. (Cl. 230—159)



1. A compressor unit comprising a casing, a pair of co-axially arranged cylinders secured to the opposite ends of said casing, transverse walls separating the interiors of the respective cylinders from said casing, a pair of shafts, one extending from each end of said casing and through said wall into the respective cylinders along the axis of the latter, each shaft having a sealed relationship with the corresponding wall, a pair of vanes secured to each shaft within the corresponding cylinder, the vanes of each pair extending in diametrically opposite directions and radially of the shaft, a pair of stationary partitions extending radially inwardly from the circumferential wall of each cylinder along a diametrical line to engage the corresponding portion of the shaft between the vanes and divide the interior of each cylinder into two compartments, each of which contains a vane, each compartment having an inlet and an outlet port, a unidirectionally rotating drive shaft extending into said casing at right angles to said two first-mentioned shafts, and means providing an operating connection between said drive shaft and said two first-mentioned shafts whereby the unidirectional motion of the drive shaft will oscillate said two first-mentioned shafts.

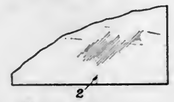
2,413,637
DIRECTION INDICATING DEVICE
Bernard D. Loughlin, Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application September 15, 1944, Serial No. 554,233
13 Claims. (Cl. 250—11)

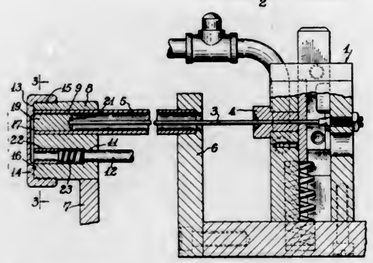
1. In a radiant-energy system of the type which effects translation of a modulation signal over at least two space paths extending between an antenna of one antenna system and individual spaced antennas of another antenna system, a direction-indicating device for indicating with relation to a predetermined reference plane the direction of one of said antenna systems relative to the other comprising, means responsive to the modulation signals translated over said space paths for developing a pair of signals having characteristics which vary similarly with time and a time relationship varying with the relative lengths of said space paths, means for differentially combining said developed signals to derive



a control signal effectively of pulse wave form and having a pulse duration varying with the time relationships of said developed signals, and means responsive to said control signal for indicating said direction.

2,413,638
WIRE OR STRIP FEEDING MECHANISM FOR PUNCH PRESSES
James MacBlane, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 26, 1942, Serial No. 463,427
4 Claims. (Cl. 271—2.5)

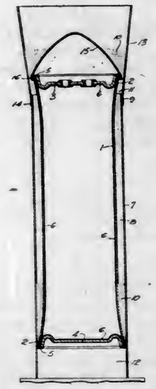




1. In an automatic stock feeding device for punch presses and the like, a guide cylinder for the stock, a piston slidably mounted in the cylinder and connected to advance the stock into the press, a source of fluid pressure adjacent the end of the cylinder remote from the press, and means for actuating the piston by said fluid pressure comprising an opening for admitting the stock to said end of the cylinder and means preventing escape of air while the stock is being advanced.

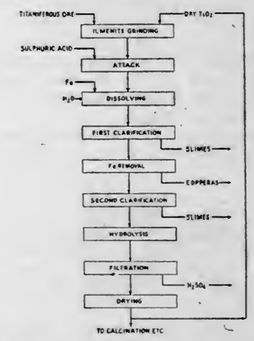
2,413,639
METHOD OF ASSEMBLING CONTAINERS
Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 18, 1945, Serial No. 588,948
8 Claims. (Cl. 20—101)

1. In the construction of an insulating tank wall or the like having two substantially cylindrical shells of different diameters and one of which is shorter than the other and has its ends formed toward the other when they are assembled, the method comprising disposing said shells vertically one within the other to provide a radial space therebetween for the reception of insulating material and with the upper end of the longer shell below the formed upper end of the other



shell and with the lower end of the radial space between the shells substantially closed, filling said radial space with insulating material from the top, then raising the longer shell relative to the other until both are centered, and finally closing the ends of the radial space by crimping the ends of the longer shell over the corresponding ends of the other shell.

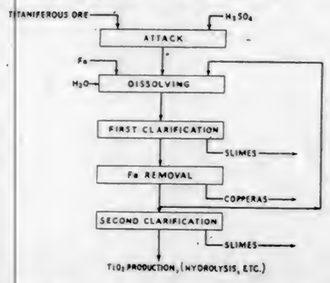
2,413,640
PRODUCTION OF STABLE TITANIUM SOLUTIONS
Robert M. McAdam, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 26, 1944, Serial No. 537,408
3 Claims. (Cl. 23—117)



1. A process for producing titanium dioxide which comprises the steps of extracting with H_2SO_4 a mixture of titanium-bearing ore containing in a combined form in excess of 60 parts of iron for each 100 parts of titanium oxide and sufficient added titanium dioxide recovered in the subsequent hydrolysis to produce in the subsequently-formed acid solution a ratio of Fe content to TiO_2 content of less than 4:5, leaching said treated mixture and producing a solution having a

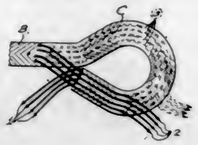
specific gravity of from 1.4 to 1.6 and a free H_2SO_4 content of 1.6 to 1.8 mols per mol dissolved TiO_2, removing insoluble material therefrom, hydrolyzing said solution, removing the precipitated TiO_2 and returning a portion of the precipitated TiO_2 to the process to mix with said ore.

2,413,641
PRODUCTION OF STABLE TITANIUM SOLUTIONS
Robert Martin McAdam, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 26, 1944, Serial No. 537,409
4 Claims. (Cl. 23—117)



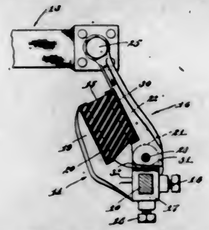
1. A process of producing titanium dioxide which comprises the steps of extracting with concentrated H_2SO_4 a titanium-bearing ore containing in a combined form in excess of 60 parts of iron for each 100 parts of titanium oxide in the presence of sufficient added recycled titanium sulfate solution recovered in a subsequent stage of the process after iron removal but prior to hydrolysis to produce in the subsequently-formed acid solution a ratio of Fe content to TiO_2 content of less than 4:5, leaching said treated mixture and producing a solution having a specific gravity of from 1.4 to 1.6 and a free H_2SO_4 content of 1.6 to 1.8 mols per mol dissolved TiO_2, removing insoluble material therefrom, and then hydrolyzing said solution to precipitate TiO_2.

2,413,642
METHOD OF FORMING LOOPS
Irvin R. Mitchell, St. Louis, Mo., assignor to A. Leschen & Sons Rope Company, St. Louis, Mo., a corporation of Missouri
Application May 10, 1946, Serial No. 668,906
3 Claims. (Cl. 87—8)



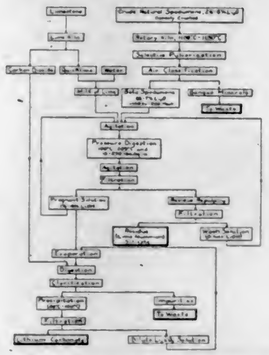
1. The method of forming an end loop on a braided or woven sling which comprises bending a free end of said sling into loop shape, withdrawing certain of its component members from said loop and substituting therefor elements foreign to said loop, re-inserting said withdrawn members in said loop in a direction reverse to that which they originally followed, removing said foreign elements, and securing the ends of all the component members of said loop to the sling body.

2,413,643
SHOCK ABSORBER ON SWEEP ARM FOR PICKER MOTION LOOMS
Joseph Nault, Maynard, Mass.
Application May 7, 1946, Serial No. 667,913
5 Claims. (Cl. 139—147)



1. An improved shock absorbing sweep arm for picker motion looms comprising, an arm member fixed to the oscillating shoe bar of said loom, a second arm member pivoted to said first arm and having one end pivoted to a sweep stick of said loom, a resilient member interposed between said first arm and said second arm.

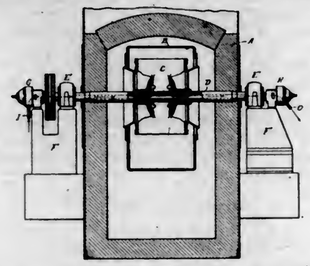
2,413,644
PRODUCTION OF LITHIUM COMPOUNDS
Clifford McIntosh Nicholson, Ottawa, Ontario, Canada, assignor to Nepheline Products Limited, Toronto, Ontario, Canada, a corporation of Canada
Application February 27, 1943, Serial No. 477,403
In Canada February 18, 1943
11 Claims. (Cl. 23—30)



11. A method of producing lithium hydroxide, which comprises forming a mixture selected from the group of mixtures consisting of: (1) beta spodumene obtained by heating alpha spodumene without additants thereto, lime and water; and (2) alpha spodumene heated with lime to a sintering temperature and water, and heating said mixture until the solids are digested and the lithium hydroxide is formed.

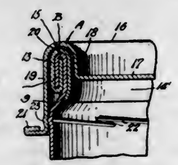
2,413,645
STUFFING BOX FOR WATER-COOLED SHAFTS
Carl Nygren, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application April 12, 1944, Serial No. 530,699
8 Claims. (Cl. 285—10)

1. In a device of the class described, a housing having an opening to receive a rotatable shaft, an eccentric rotatable in the housing, a stuffing box mounted in the eccentric and adapted to



surround the shaft, and means for locking the eccentric in rotatably adjusted position.

2,413,646
LOCK TOP CONTAINER
Frank J. O'Brien, Pelham Manor, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 28, 1944, Serial No. 570,185
2 Claims. (Cl. 220—73)

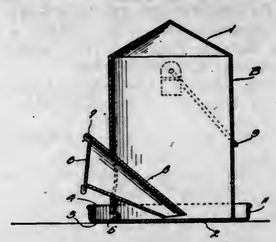


2. A metal container comprising a body having an open upper end, said open end portion being offset inwardly forming in said body a shoulder, a drawn metal ring fitting within the open end of the body and closely contacting said shoulder, said metal ring being extended outwardly over the body wall and rolled into a double seam with the body wall, said drawn metal ring forming at the upper end of the seam a continuous unbroken rounded sealing surface, a closure for said container, said closure having a central depression surrounded by a cylindrical wall and a depending skirt spaced outwardly from said cylindrical wall and joined thereto by a curved portion conforming to the curvature of the sealing surface on the drawn ring, a sealing gasket disposed in said closure and engaging the sealing surface on the ring, said depending skirt being extended below the shoulder in the body wall and having a threaded connection with said body wall.

2,413,647
WATERING DEVICE
John C. Oldfield, Yakima, Wash.
Application June 27, 1944, Serial No. 542,337
2 Claims. (Cl. 119—77)

1. A watering trough comprising a tank body having a closed top, a vertical side wall and a bottom, said bottom being extended outwardly beyond the tank side wall and merging with an upstanding flange wall spaced from the tank side wall and completely encircling the latter, the tank side wall and said flange wall forming a drinking trough, an outlet opening formed in the bottom edge of the tank side wall and having a height less than the height of said flange

wall, and means for filling the tank comprising a relatively long tubular body open at both ends and of gradually decreasing diameter from one end to the other, the tubular body being extended through the tank side wall above said opening at an upward and outward inclination with respect to the plane of the bottom wall, the smaller end of the tubular body terminating closely adja-

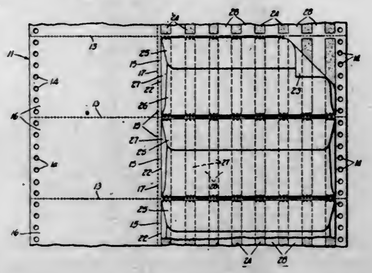


cent to the top of the bottom wall at the center of the tank and the larger end of the tubular body terminating outside the tank in spaced relation with the tank side wall, and a cover plate hingedly attached to the outer end of the tubular body at the top thereof and adapted to swing by gravity to closed position over the outer end of the tubular body.

2,413,648
TERPENE REACTION PRODUCT AND METHOD OF PRODUCING
Emil Ott, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 28, 1945, Serial No. 602,173
16 Claims. (Cl. 260—125)

8. A new composition of matter comprising the product of reaction of a sulfhydrated terpene with a sulfide of phosphorus.

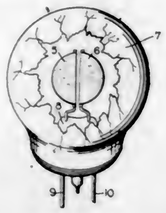
2,413,649
PAY STATEMENT AND ENVELOPE ASSEMBLY
Elmer G. Overly, Oakmont, Pa., assignor, by mesne assignments, to Pittsburgh Lithograph Press Corporation, New York, N. Y., a corporation of New York
Application June 30, 1943, Serial No. 492,844
2 Claims. (Cl. 229—69)



1. A composite strip comprising a continuous sheet subdivided into successive statement blanks by a series of transverse tear lines, and envelopes gummed to said blanks respectively along parallel areas extending between successive tear lines with the flaps of said envelopes extending on the

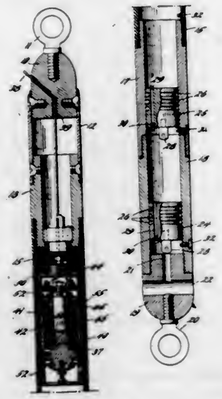
outside of said sheet, said tear lines being formed with slits opposite the ends of the ungummed areas extending across the full width of said ungummed areas to form vent openings for the pockets defined by said latter areas.

2,413,650
GLOW DISCHARGE LAMP
Arnold L. Peacock, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application June 8, 1945, Serial No. 598,342
1 Claim. (Cl. 176—122)



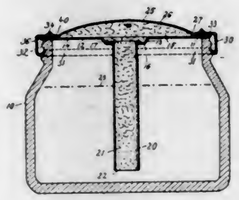
A negative glow type discharge lamp comprising an envelope of substantially spherical form, a stem sealed in said envelope, a pair of lead-in-wires sealed in said stem and extending into said envelope, a pair of hollow hemispherical electrodes mounted on said lead-in-wires with their concave faces adjacent each other but spaced a short distance apart whereby said electrodes define a spherical body substantially concentric with the envelope in which they are enclosed, each of said lead-in-wires extending across the concave faces of said electrodes, and a sleeve-like reinforcing member disposed at two points on opposite peripheral edges of each of said electrodes within which said lead-in-wires are received.

2,413,651
MEASURING INSTRUMENT
Olive S. Petty, San Antonio, Tex.
Application August 29, 1944, Serial No. 551,723
1 Claim. (Cl. 177—352)



In a submersible measuring apparatus of the type subjected in use to high external pressures, the combination with a casing having a liquid filled compartment for housing a measuring instrument and having a passage affording communication between said compartment and the casing exterior, said passage including a cylindrical bore, of a tight fitting, solid piston closing said bore and displaceable axially thereof in response to variation in external pressure to which the casing is subjected, whereby said compartment is maintained substantially at the prevailing external pressure, said piston being formed to provide at least one annular peripheral groove to trap water or foreign material seeping between the piston and bore.

2,413,652
MOISTENING DEVICE
Martin S. Pollock, East Chester, N. Y.
Application September 17, 1943, Serial No. 502,753
3 Claims. (Cl. 91—54.4)

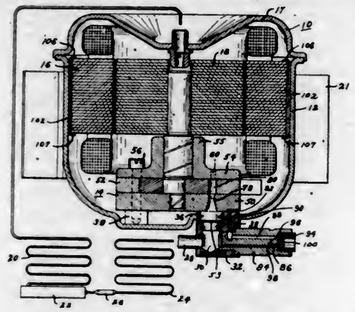


1. In a moistening device for gummed surfaces, a container comprising a mouth including a seat and having a bead thereat, a plate including a depressed center with an opening and having a flat flange on said seat, a flexible foraminate sheath providing an extended receptacle above said plate, said sheath having a flange mating with said flat flange, a hollow tube having its upper end held in said depressed center, the lower end of said tube in communication with the interior of said container absorbent material disposed in the hollow of said tube, beneath said foraminated sheath and in the receptacle, a union band having a flange held below said bead, and another flange of said band tightly embracing said mating flanges, said last named flange having an elevated rib the top of which is above certain of the perforations of said sheath.

2,413,653
REFRIGERANT COMPRESSOR VALVE ARRANGEMENT
Francis I. Rataiczak, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 15, 1943, Serial No. 510,315
6 Claims. (Cl. 62—115)

1. In a refrigerating system, a compressor, a casing enclosing said compressor, said compressor having an inlet port in one wall thereof and having a lapped surface adjacent to said inlet port, means for discharging the compressed refrigerant into said casing, a compressor mounting block secured to said casing and having a low pressure refrigerant vapor passage therein communicating with said inlet port, means providing a gastight seal between the passage in said mounting block and said compressor including a tubular insert in said vapor passage having a lapped surface in engagement with the lapped surface on said compressor, and a gasket means

between said tubular insert and the wall of said passage, said gasket means serving to urge said

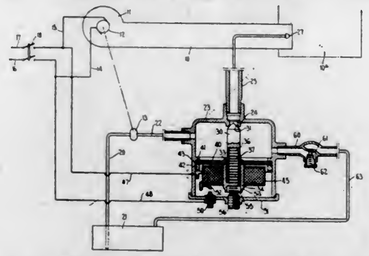


tubular insert into sealing engagement with the lapped surface on said compressor.

2,413,654
EXTRACTION OF RUBBER FROM PLANTS OF THE GENUS CRYPTOSTEGIA
Ernest Otto Reif and Mark Trafton, Jr., La Lima, Honduras, assignors to United Fruit Company, Boston, Mass., a corporation of New Jersey
No Drawing. Application October 30, 1944, Serial No. 561,164
2 Claims. (Cl. 260—814)

1. The method of extracting rubber from rubber-bearing plants of the genus Cryptostegia which includes the steps of chopping whip growth thereof into sections and agitating said sections in an aqueous sodium bisulphite solution having a pH of about 6.5 and at a temperature between 200 and 210° F. to bleed latex from the sections into coagulated rubber particles.

2,413,655
FUEL SUPPLY CONTROLLING MEANS FOR BURNERS
Philip S. Russel, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application June 2, 1944, Serial No. 538,394
8 Claims. (Cl. 137—139)

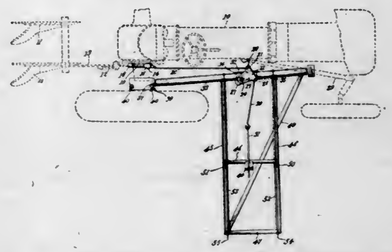


5. A control valve device comprising a casing, a movable diaphragm dividing said casing into a pressure chamber and a coil chamber, said pressure chamber having inlet and outlet ports, a valve member cooperable with one of said ports and having an armature adjacent said diaphragm, an electro-magnetic coil in said coil chamber and cooperable with said armature to actuate said valve member, and a switch in said coil chamber and operable by said diaphragm and controlling current flow through said coil.

2,413,656
ALPHA-(META-HYDROXYPHENYL)-BETA-METHYLAMINOETHANOL PARA-AMINOBENZOATE
Melville Sahyun and John A. Faust, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 4, 1945, Serial No. 586,643
1 Claim. (Cl. 260—472)

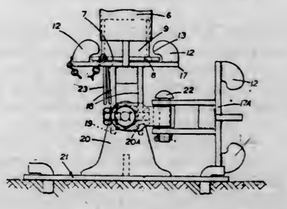
Alpha-(meta-hydroxyphenyl)-beta-methyl-aminoethanol para-aminobenzoate.

2,413,657
HARROW ATTACHMENT FOR TRACTORS
William P. Schenkelberg, Carroll, Iowa
Application May 6, 1944, Serial No. 534,449
5 Claims. (Cl. 97—5)



1. The combination with a tractor, a rotary shaft carried at the side of said tractor, a harrow attachment frame work comprising spaced longitudinal bars secured at one end to said shaft, transverse bars connecting the intermediate and outer portions of said longitudinal bars, a diagonal sway brace coupled between both said longitudinal and transverse bars and extending outside the rectangle formed by said frame work and having an end affixed to said shaft, and a truss structure for said frame work.

2,413,658
BASE CONSTRUCTION FOR A MAST AND DERRICK
William Charles Scrivener and Alfred George Brewer, Sutton Coldfield, England
Application October 3, 1944, Serial No. 556,977
In Great Britain June 22, 1942
2 Claims. (Cl. 189—28)



1. A union for connecting both the lowermost member of a mast and the lowermost member of a derrick employed for raising said mast for pivotal movement of said mast and derrick about a common pivotal axis and for pivotal movement of said derrick about an axis at right angles to said common pivotal axis, said union comprising a base plate, means disposed between said lowermost members and said base plate and constitut-

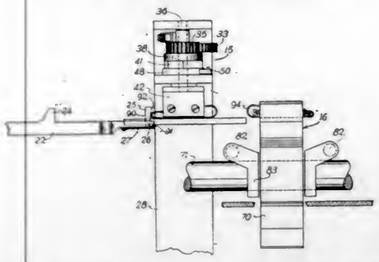
ing the common pivotal axis for said mast and derrick, and means disposed between said common pivotal axis and said lowermost member of said derrick and constituting the pivotal axis for said derrick, said last mentioned pivotal axis being disposed at right angles to said common pivotal axis.

2,413,659

COMBINATION REVERSING MEANS, TRANSFER MEANS, AND YIELDABLE PUSHER FINGER MEANS IN MATCH BOOK ASSEMBLING MECHANISM

Morris Spector, Chicago, Ill., assignor to Spector Patents, Inc., Chicago, Ill., a corporation of Illinois

Application April 14, 1941, Serial No. 388,440
3 Claims. (Cl. 226—4)



1. In a match book making machine including a slide upon which match books are slid in a step by step manner to different stations where different operations are performed upon the books in the process of manufacture, a pusher mechanism pushing the books in a step by step manner from station to station, a rotary book receiver positioned above the slide, said pusher mechanism including a pusher finger which pushes the books through the receiver, said finger having a normal path of motion intersecting the path of motion of the receiver, said finger being held in position on the pusher mechanism and being connected thereto in such a manner as to remain in an upstanding position during normal operation of the machine and free to be flexed out of its normal position if it abuts against an obstruction in its path of motion, and said machine including means for holding the finger in the position to which it is flexed.

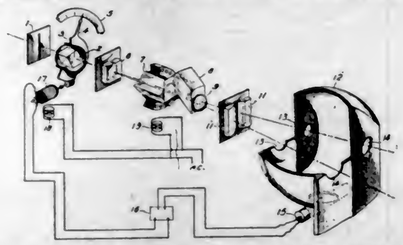
2,413,660

FLICKERING BEAM SPECTROPHOTOMETER

Edwin I. Stearns, Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application June 1, 1944, Serial No. 538,308
3 Claims. (Cl. 88—14)

1. In a photometric apparatus comprising a photoelectric device arranged to receive integrated light from a sample and a standard, an optical system arranged to control the light received by said device comprising in series an angularly movable polarizing member, a second member having the property of dividing a light beam into two beams which are polarized respectively in planes at right angles to each other, an uniformly rotatable element capable of plane polarizing light between the second member and the sample and standard, means for rotating this member to cause each beam to flicker between minimum and maximum intensities, the variations of the two beams being in opposite phase, electric driving means for the first member responsive to alternating current of a predetermined frequency, means for uniformly rotating the beam flickering member at such a speed as to cause the beams to flicker at the same frequency to which the driving means of the first member is responsive, the photoelectric device being coupled to an amplifier capable of amplifying alternating current fluctuations produced by the device in response to fluctuations of light impinging thereon at flicker frequency, means for feeding the alternating current component of the amplifier output to the electric driving means for the first polarizing member, the amplifier circuits and electric



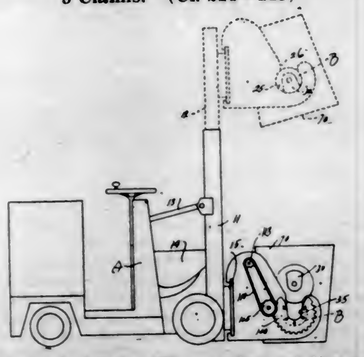
driving means being so adjusted as to cause the polarizing member to rotate in a direction to produce the same total light from the sample and standard, the improvement which comprises a retardation device mounted for rotation with said uniformly rotatable member said device comprising a block of transparent material in the form of a V-shaped double rhomb with parallel and aligned entrance and exit surfaces positioned on and normal to the axis of symmetry of the two beams, the reflection angles of the four internal reflecting surfaces being sufficiently close to 41° so that plane polarized light at one wave length in the spectrum to be measured emerges after four internal reflections circularly polarized whereby the beam striking the sample and standard are transformed into circularly or elliptically polarized light.

2,413,661

MATERIAL HANDLING CONSTRUCTION

Charles Calvin Stokes, Philadelphia, Pa.

Application February 28, 1945, Serial No. 580,088
5 Claims. (Cl. 214—113)



1. In material handling equipment the combination of a supporting frame structure, relatively spaced revolving saddles mounted upon said frame structure each defining a peripherally opening socket which tapers divergently from the bottom

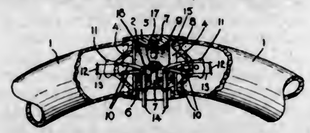
of the socket to the periphery of the respective saddle, a carrier having opposed extensions thereon adapted to seat in the sockets of said saddles, each of said extensions having opposite side surfaces divergently tapering from the bottom thereof to the top thereof in complementary relation to the taper of the socket of the saddle whereby the extensions will non-rotatably seat relative to the sockets of said saddles, and means for rotating said saddles whereby to move the carrier into different angular positions.

2,413,662

LAMP BASE

Ralph B. Thomas, Beverly, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass, a corporation of Massachusetts

Application August 21, 1945, Serial No. 611,747
4 Claims. (Cl. 176—122)



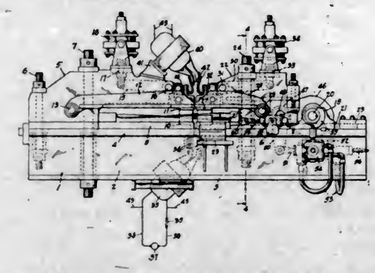
1. In combination with a tubular discharge lamp of non-linear configuration having its ends disposed in spaced opposed relation, a hollow cylindrical base member loosely embracing the ends of the lamp and extending therebetween whereby the base may be rotated thereon, said base being formed of translucent plastic, lead wires, covered with a light reflecting insulating material, connected to the lamp electrodes and extending into said base, contact pins projecting or opening into the hollow interior of the base with their other ends projecting outward for connection to a source of energy and means to connect said lead wires to said pins.

2,413,663

FLASH WELDING MACHINE

Julius B. Tiedemann, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application November 10, 1944, Serial No. 562,771
15 Claims. (Cl. 219—4)



1. An electric flash welding machine comprising a base, a pair of relatively movable frames supported thereon and spaced above the same, electrodes carried by said frames for conducting welding current to the work, a transformer supported on one of said frames for supplying current to the electrodes, flexible leads for conducting the current from the transformer secondary to the respective electrodes, relatively movable work supporting members on said base and disposed to support the work against vertical clamping forces of said electrodes, means to support said electrodes for substantially vertical movement relative to said frames, and means for applying clamping pressure to the work by said electrodes.

2,413,664

PRINTING PLATE MEANS

William Craig Toland, Brookline, Mass., assignor to William Craig Toland, trustee

Application July 22, 1942, Serial No. 451,942
3 Claims. (Cl. 101—149.2)



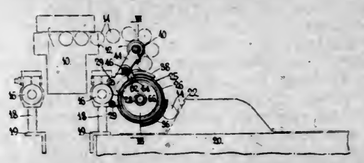
1. A planographic printing plate comprising in combination; a thin, flexible, support member presenting marginal surface portions adapted to constitute non-printing portions, said surfaces surrounding an opening in spaced relation to the outer edges of the support member, an insert planographic printing plate secured within the said opening and substantially filling the same with its edges lying in abutting relation to the walls of the opening, said support member providing substantial clamping edges for securing the said planographic printing plate to a printing cylinder.

2,413,665

MACHINE GUN FEED MECHANISM

John C. Trotter, Williamsville, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.

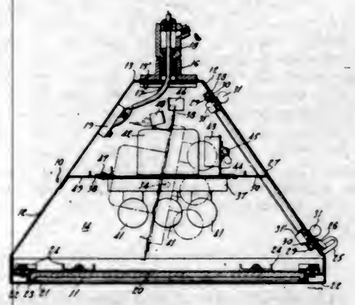
Application August 13, 1942, Serial No. 454,637
4 Claims. (Cl. 89—33)



1. In combination with a machine gun having an ammunition feedway, and an ammunition feed mechanism adapted to feed a linked cartridge belt into said feedway, of an ammunition feed assist mechanism, comprising a base adapted to be mounted closely adjacent said gun, a reel rotatably mounted upon said base and adapted to engage said cartridge belt in geared relation, link means pivotally connected to said base, cartridge belt guide means carried by said link means to engage the cartridge belt as it leaves said reel and to lead it therefrom into said gun feedway, elastic force means connected to said link means and arranged to bias the latter in a direction away from said gun and adapted to be overcome by the pull of the gun feed mechanism on said cartridge belt, a motor, clutch means normally coupling said motor to said reel and arranged for rotating the latter to drive said cartridge belt for feeding said gun while permitting said reel to rotate in feeding direction independently of said motor, motor control means including an actuating member disposed in registry with said link means and so arranged that whenever said link means is in furthermost biased position said motor is inoperative and whereby upon pulling of said link means toward said gun feedway in response to pulling forces imposed by said gun feed mechanism upon said cartridge belt said motor will be rendered operative, and a brake

arm integral with and carried by said link means and arranged to be actuated by movements thereof to move into frictional bearing engagement with said reel to brake the motion thereof whenever said link means is in furthermost biased position.

2,413,666
DUST TIGHT FLUORESCENT LIGHTING LUMINAIRE
Davis H. Tuck, Redding Ridge, Conn., and Kurt Franck and Wilbert Quack, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application June 10, 1944, Serial No. 539,706
4 Claims. (Cl. 240—78)

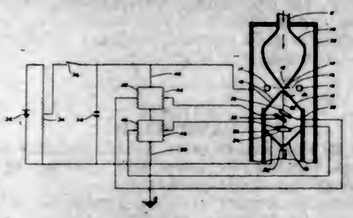


1. A dust tight lighting fixture for rectilinear fluorescent lamp of predetermined length comprising a body having top, side and bottom walls longer than the lamp length and end walls, the bottom wall having a framed opening occupying substantially its entire length and width, a light transmitting closure permanently secured in place to close the opening, one of the side walls having an opening occupying substantially its entire length and width, a door carried by this side wall and of a size to close the side opening, means to seal the door in closed position, an electrical assembly including a plate, fluorescent lamp auxiliaries, wiring and sockets carried thereby, the assembly being insertable into or removable from the fixture body by being passed through the side opening, the body and plate having cooperable releasable devices for supporting the plate in place in the body, and fluorescent lamps insertable through the side opening and into the sockets or removable from the sockets and through the side opening.

2,413,667
FIRE EXTINGUISHING COMPOSITION
George Gordon Urquhart, Wynnewood, Pa., assignor to National Foam System, Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 8, 1943, Serial No. 482,309
2 Claims. (Cl. 252—8.05)

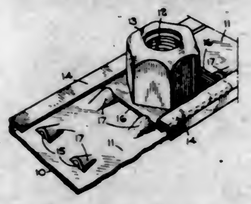
2. A stabilizer for fire extinguishing foam consisting of a concentrated aqueous solution of a proteinaceous product derived from the soy bean and degraded by successive alkali and acid treatments at approximately 200° F., said solution being of a specific gravity of approximately 1.145, and a substance from the class consisting of glycols and their ethers, said substance being included in said solution in the proportion of about 15% by volume.

2,413,668
MASS SPECTROMETRY
Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application November 21, 1944, Serial No. 564,425
5 Claims. (Cl. 73—18)



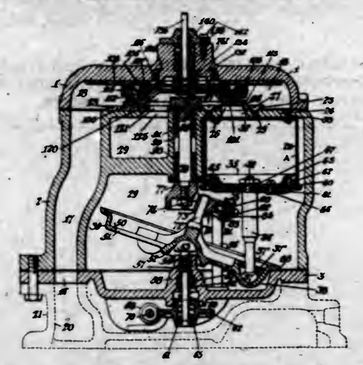
1. In a mass spectrometer, the combination which comprises a first chamber having a constricted outlet and an inlet for molecules to be ionized, the wall of the chamber at least in the neighborhood of the outlet being of electrically conductive material, a second chamber having a constricted inlet adjacent to and substantially coaxial with the outlet but separated therefrom by a small gap, the wall of the second chamber at least in the neghborhood of the inlet thereto being of conductive material, means for projecting an electron beam across the gap transverse to the axis of the inlet of the second chamber and the outlet of the first chamber in contact with molecules passing out of that outlet, an electrode disposed in the second chamber, and means for establishing an ion propelling potential in the second chamber between the inlet of the second chamber and the electrode.

2,413,669
SCREW AND NUT FASTENING
Christopher John Whitcombe, Smethwick, England, assignor to Guest, Keen & Nettlefolds, Limited, Smethwick, England, a British company
Application December 9, 1944, Serial No. 567,473
In Great Britain July 31, 1943
3 Claims. (Cl. 85—32)



1. A screw fastening element comprising an attachment member in the form of a metal plate comprising a flat base and edges of channel form; a nut element having a screw receiving part disposed between the channel edges, and a flanged base opposite and parallel edges of the base flanges engaging within the channel edges but without extending to the full width thereof; and abutments on the surface of and substantially perpendicular to said base and on opposite sides of the nut element, said abutments being formed by slitting the base transversely and bending the metal adjacent one side of the slits out of the plane of the base, the abutments being so positioned in relation to the nut elements as to allow a limited sliding movement between the nut elements and the attachment plate, the base of the attachment plate having holes midway between the abutments.

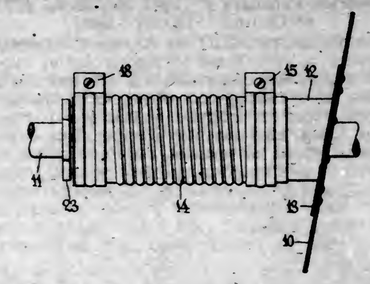
2,413,670
COMPOUND MOTION FLUID DISTRIBUTION VALVE FOR WABBLER PLATE METERS
David S. Willson, Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Delaware.
Application December 23, 1944, Serial No. 569,477
4 Claims. (Cl. 121—119)



1. In a valve for a fluid meter which includes a series of cylinders, a valve seat having a port opening for each cylinder, an upper valve plate, pistons mounted for reciprocation in said cylinders in response to fluid under pressure flowing through said port openings, and means connected to said reciprocating pistons arranged to convert the reciprocatory movement of said pistons into rotary movement for moving said valve across said port openings; the combination of a ring member having an imperforate valve face adapted for sliding engagement with said valve seat to open and close said port openings; a web portion formed in said ring member forming an inner recess in the lower portion of said ring member; a passageway through said web portion; a valve cup leather carried by the upper part of said ring member; a retainer ring for retaining and supporting said cup leather; and means to maintain said valve cup leather in engagement with said upper valve plate; whereby, flow of fluid around the top of said valve is prevented.

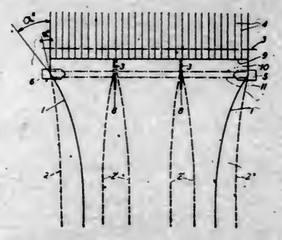
2,413,671
SEAL FOR AIRCRAFT CONTROL RODS
Robert A. Wolf and Herbert L. Bowers, Kenmore, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.
Application August 13, 1942, Serial No. 454,630
2 Claims. (Cl. 286—15)

1. An aircraft structure comprising an aircraft wall having a control aperture formed therein, an elongated control element disposed within said aperture and adapted to have a limited amount of movement in substantially all directions, said aperture being of a size considerably greater than the size of said element whereby the latter may be free to have unrestricted floating movement within said aperture, an elongated flexible tubular member fixed at one end to said wall in registration with said aperture, said member projecting only forwardly from said aperture and having an inner diameter substantially equal to the diameter of said aperture, sealing means spaced from said wall and carried by the end of said member which is remote from said wall, said means comprising packing means in sealing engagement with said member, and bearing flanges



carried by said tubular member independently of said packing means and axially spaced from each other and from said packing means for supporting said element centrally within the remote end of said tubular member and for relatively guiding said element in its reciprocating movement therein.

2,413,672
LOOM WITH BIG WEAVING WIDTH
Otto Zollikofer, St. Gallen, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application March 30, 1944, Serial No. 528,667
3 Claims. (Cl. 139—291)



1. In the method of producing a plurality of parallel lengths of fabric on the same loom by weaving a length of fabric of great width, the combination of the steps of transversely stretching the fabric over its whole width, and of cutting it into substantially parallel lengths at the line of greatest transverse tension.

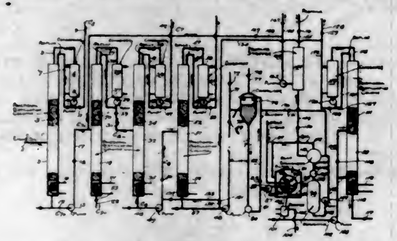
2,413,673
INSULATED ELECTRICAL CONDUCTOR
William C. Sears, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 21, 1941, Serial No. 375,248
4 Claims. (Cl. 174—120)



1. An electrical conductor in combination with an insulating layer comprising a plasticized polymer made largely from vinyl chloride, and lead acetate.

2,413,674
MULTISTAGE METHOD OF PURIFYING STYRENE
Horace M. Weir, Wynnewood, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application February 27, 1943, Serial No. 477,365
10 Claims. (Cl. 260—669)

1. A method of purifying styrene contained in a mixture with xylenes including ortho xylene, which comprises concentrating styrene in said mixture by fractionation other than fractional crystallization to produce a fraction richer in styrene than any eutectic composition capable of being formed between styrene and other constituents of said fraction; subjecting said fraction to fractional crystallization by cooling to produce a mass comprised of styrene crystals and liquid phase material, said liquid phase material being richer in xylene than said fraction and richer in styrene than any said eutectic composition; separating liquid phase material from said mass to leave a remaining mass containing

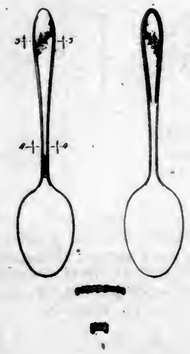


xylene but richer in styrene than said fraction; and fractionally distilling said remaining mass to further concentrate styrene therein.

DESIGNS

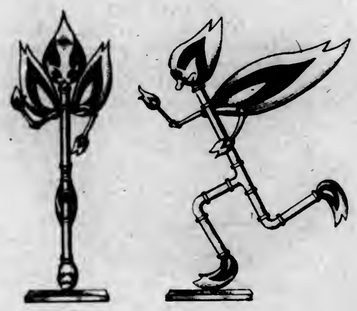
DECEMBER 31, 1946

146,125
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Oneida, and Mary Parker Fleming, Fulton, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application July 23, 1946, Serial No. 131,854
Term of patent 14 years
(Cl. D54—12)



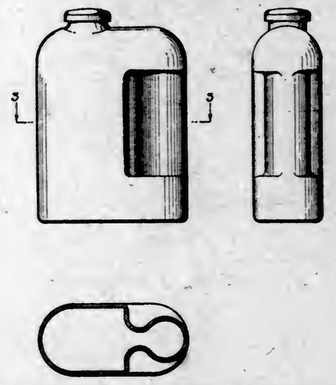
The ornamental design for a spoon or similar article, substantially as shown and described.

146,126
DESIGN FOR A STATUETTE OR SIMILAR ARTICLE
Ted Bergman, Miami, Fla.
Application April 26, 1946, Serial No. 128,987
Term of patent 14 years
(Cl. D29—23)



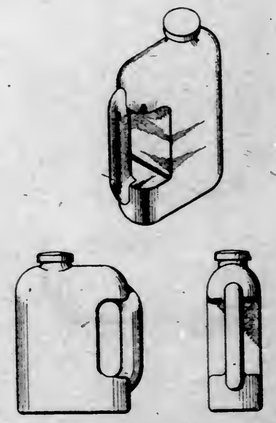
The ornamental design for a statuette or similar article, as shown.

146,127
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
James O. Billups, Manhattan Beach, Calif.
Application November 6, 1945, Serial No. 123,494
Term of patent 14 years
(Cl. D58—6)



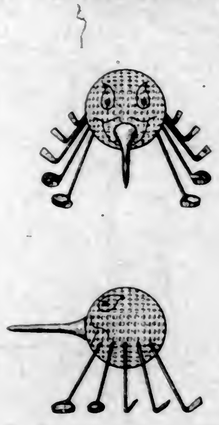
The ornamental design for a bottle or similar article, as shown and described.

146,128
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
James O. Billups, Manhattan Beach, Calif.
Application November 6, 1945, Serial No. 123,495
Term of patent 14 years
(Cl. D58—6)



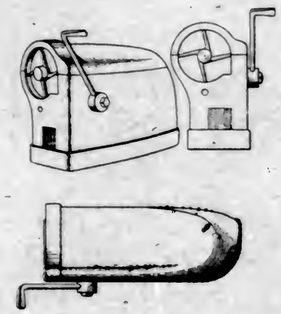
The ornamental design for a bottle or similar article, as shown and described.

146,129
DESIGN FOR A PAPERWEIGHT OR SIMILAR ARTICLE
Renard M. Blackhall and Maurice Kaufman, Chicago, Ill.
Application April 10, 1946, Serial No. 128,444
Term of patent 14 years
(Cl. D74—12)



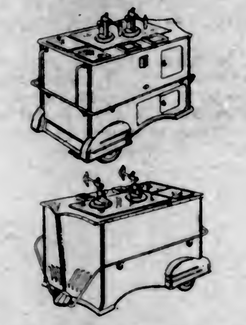
The ornamental design for a paperweight or similar article, substantially as shown.

146,130
DESIGN FOR AN ADHESIVE TAPE DISPENSER
Benjamin Bronfman, Lynbrook, N. Y., assignor to The Cofax Corporation, a corporation of New York
Application July 27, 1946, Serial No. 132,020
Term of patent 14 years
(Cl. D74—1)



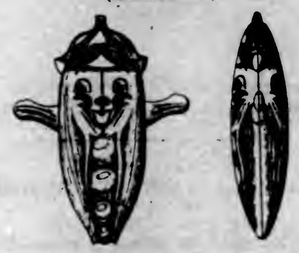
The ornamental design for an adhesive tape dispenser, as shown.

146,131
DESIGN FOR A DISPENSING MACHINE FOR BEVERAGES AND ICE CREAM
Joseph A. Chambers, Memphis, Tenn.
Application December 3, 1945, Serial No. 124,268
Term of patent 14 years
(Cl. D52—2)



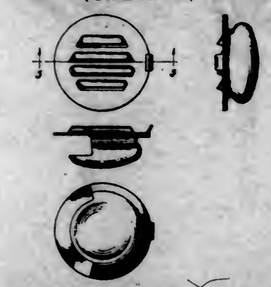
The ornamental design for a dispensing machine for beverages and ice cream, as shown.

146,132
DESIGN FOR A DOLL
Dona Jo Curran, Hinsdale, Ill.
Application April 24, 1946, Serial No. 128,925
Term of patent 14 years
(Cl. D34—4)



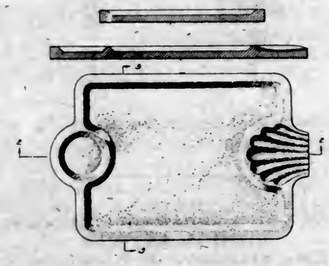
The ornamental design for a doll, as shown.

146,133
DESIGN FOR AN ADJUSTABLE VENTILATOR FOR AIRPLANES
Carl F. Gladen, Bay City, Mich.
Application October 27, 1944, Serial No. 116,002
Term of patent 7 years
(Cl. D71—1)



The ornamental design for an adjustable ventilator for airplanes, as shown.

146,134
DESIGN FOR A WAITER'S TRAY
John Le Graffe, Beverly Hills, Calif.
Application September 17, 1945, Serial No. 122,119
Term of patent 14 years
(Cl. D44—10)



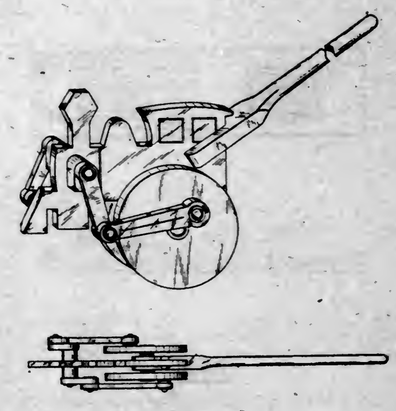
The ornamental design for a waiter's tray, as shown.

146,135
DESIGN FOR A DOILY OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 22, 1946, Serial No. 131,822
Term of patent 14 years
(Cl. D3—9)



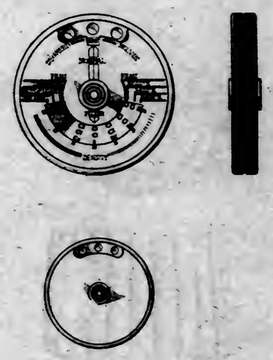
The ornamental design for a doily or similar article, substantially as shown and described.

146,136
DESIGN FOR A TRUNDLE TOY
Edwin E. Hansen, Astoria, Oreg.
Application January 29, 1946, Serial No. 126,067
Term of patent 14 years
(Cl. D34—15)



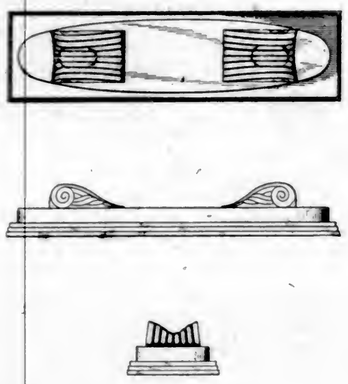
The ornamental design for a trundle toy, as shown.

146,137
DESIGN FOR A COLORIMETER
William H. Harrison, Los Angeles, Calif.
Application January 2, 1946, Serial No. 125,238
Term of patent 14 years
(Cl. D61—1)



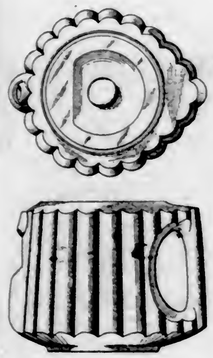
The ornamental design for a colorimeter, substantially as shown and described.

146,138
DESIGN FOR A PEN RACK OR SIMILAR ARTICLE
Wallace Harwood, New York, N. Y., assignor to Academy Award Products, Inc., a corporation of New York
Application April 11, 1946, Serial No. 128,474
Term of patent 7 years
(Cl. D74—13)



The ornamental design for a pen rack or similar article, as shown.

146,139
DESIGN FOR A TEAPOT
Ester L. Holmes, San Diego, Calif., assignor of one-half to Joseph E. Holmes, San Diego, Calif.
Application February 19, 1946, Serial No. 126,695
Term of patent 7 years
(Cl. D44—26)



The ornamental design for a teapot, substantially as shown.

146,140
DESIGN FOR A PIN CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 19, 1946, Serial No. 127,662
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin clip or similar article, substantially as shown.

146,141
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 21, 1946, Serial No. 127,739
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article substantially as shown.

146,142
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Paul Kaufman, New York, N. Y.
Application April 12, 1946, Serial No. 128,541
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring or similar article, as shown.

146,143
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Paul Kaufman, New York, N. Y.
Application April 12, 1946, Serial No. 128,542
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring or similar article, as shown.

146,144
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Paul Kaufman, New York, N. Y.
Application April 12, 1946, Serial No. 128,543
Term of patent 3½ years
(Cl. D45—9)



The ornamental design for an earring or similar article, as shown.

146,145
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Paul Kaufman, New York, N. Y.
Application April 12, 1946, Serial No. 128,544
Term of patent 3½ years
(Cl. D45—9)



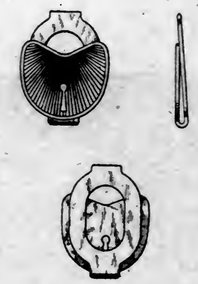
The ornamental design for an earring or similar article, as shown.

146,146
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Paul Kaufman, New York, N. Y.
Application April 12, 1946, Serial No. 128,545
Term of patent 3½ years
(Cl. D45—9)



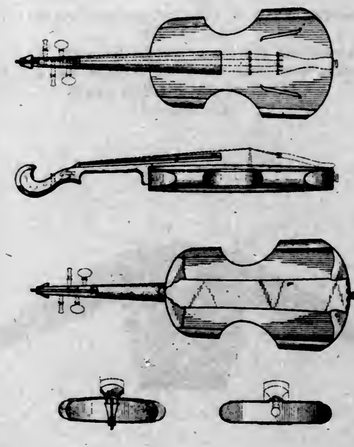
The ornamental design for an earring or similar article, as shown.

146,147
DESIGN FOR A MONEY CLIP
Walter J. Kent, Williston Park, Long Island, N. Y.
Application May 24, 1946, Serial No. 130,049
Term of patent 7 years
(Cl. D74—2)



The ornamental design for a money clip, as shown.

146,148
DESIGN FOR A VIOLIN OR SIMILAR ARTICLE
Louis G. Klages, Arlington Heights, Ill.
Application December 12, 1945, Serial No. 124,649
Term of patent 14 years
(Cl. D56—1)



The ornamental design for a violin or similar article, as shown and described.

146,149
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Sidney Meyer, New York, N. Y.
Application May 14, 1946, Serial No. 129,690
Term of patent 7 years
(Cl. D92—1)



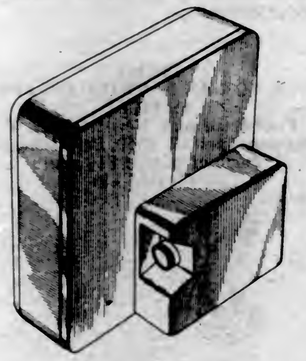
The ornamental design for a textile fabric or similar article, substantially as shown and described.

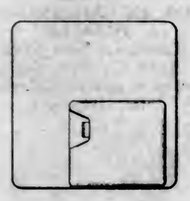
146,150
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Abraham Naidish, North Bergen, N. J.
Application May 28, 1946, Serial No. 130,149
Term of patent 3½ years
(Cl. D3—4)

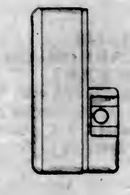


The ornamental design for a sweater or similar article, substantially as shown and described.

146,151
DESIGN FOR A PROJECTOR
Otto Rudolf Nemeth, Chicago, Ill., assignor to Otto R. Nemeth, Inc., Chicago, Ill., a corporation of Delaware
Application June 27, 1946, Serial No. 131,066
Term of patent 14 years
(Cl. D61—1)

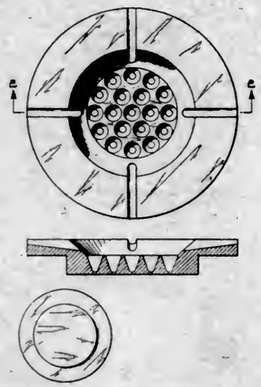






The ornamental design for a projector, as shown.

146,152
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
Max M. Newman, New York, N. Y.
Application January 15, 1946, Serial No. 125,571
Term of patent 14 years
(Cl. D85—2)



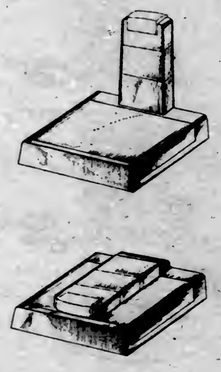
The ornamental design for an ash tray or similar article, as shown.

146,153
DESIGN FOR A BUCKLE
Herman Pomerantz, New York, N. Y.
Application August 7, 1946, Serial No. 132,328
Term of patent 7 years
(Cl. D17—1)



The ornamental design for a buckle, substantially as shown.

146,154
DESIGN FOR A SCALE
Harry Preble, Jr., New York, N. Y., assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y., a corporation of New York
Application October 31, 1945, Serial No. 123,343
Term of patent 14 years
(Cl. D52—10)



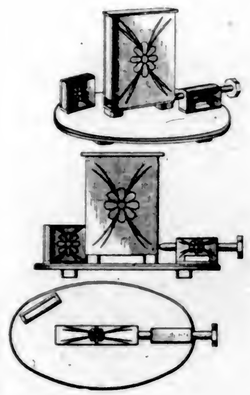
The ornamental design for a scale, as shown and described.

146,155
DESIGN FOR A FRAME FOR EYEGLASSES
Morris Schwartz, Sunnyside, N. Y.
Application May 3, 1946, Serial No. 129,258
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a frame for eyeglasses, as shown.

146,156
DESIGN FOR A CIGARETTE DISPENSING DEVICE
Morris Schwartz, Sunnyside, N. Y.
Application February 12, 1946, Serial No. 126,514
Term of patent 3½ years
(Cl. D85—2)



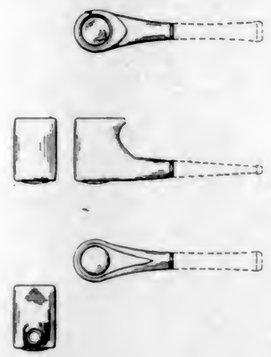
The ornamental design for a cigarette dispensing device, as shown.

146,157
DESIGN FOR A DRESS
Nathan Shatz, St. Louis, Mo.
Application August 24, 1946, Serial No. 132,838
Term of patent 3½ years
(Cl. D3—26)



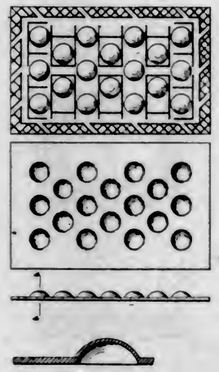
The ornamental design for a dress, substantially as shown.

146,158
DESIGN FOR A TOBACCO PIPE OR SIMILAR ARTICLE
Floyd Snyder, Cincinnati, Ohio, assignor to Floyd Snyder Pipes Inc., Milford, Ohio, a corporation of Ohio
Application December 22, 1945, Serial No. 125,008
Term of patent 14 years
(Cl. D85—8)



The ornamental design for a tobacco pipe or similar article, substantially as shown.

146,159
DESIGN FOR A BATHTUB MAT
Charlie E. Wakefield, Torrance, Calif.
Application February 14, 1946, Serial No. 126,569
Term of patent 3½ years
(Cl. D9—6)



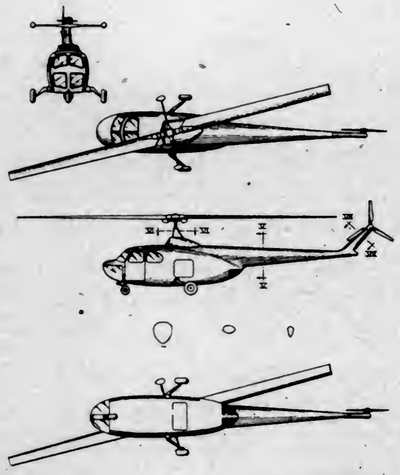
The ornamental design for a bathtub mat, as shown.

146,160
DESIGN FOR A SHOE
Morris Wolock, New York, N. Y.
Application September 4, 1945, Serial No. 121,821
Term of patent 3½ years
(Cl. D7—7)



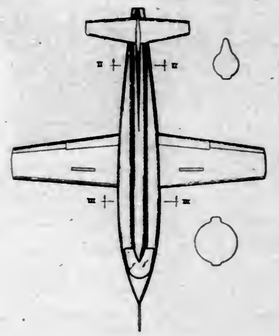
The ornamental design for a shoe, substantially as shown and described.

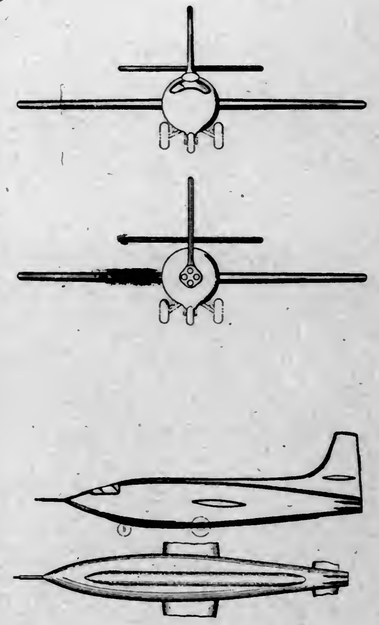
146,161
DESIGN FOR A HELICOPTER
Robert A. Wolf, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, N. Y.
Application June 23, 1945, Serial No. 120,299
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a helicopter, as shown.

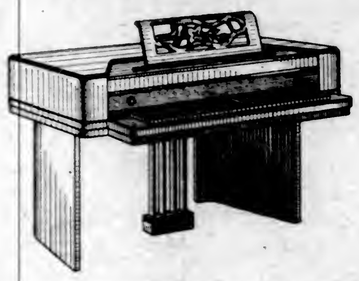
146,162
DESIGN FOR AN AIRPLANE
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, N. Y.
Application October 27, 1945, Serial No. 123,243
Term of patent 14 years
(Cl. D71—1)





The ornamental design for an airplane, as shown and described.

146,163
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application January 24, 1946, Serial No. 125,919
Term of patent 14 years
(Cl. D56—9)



The ornamental design for a piano, as shown and described.

146,164
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application January 24, 1946, Serial No. 125,920
Term of patent 14 years
(Cl. D56—9)



The ornamental design for a piano, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Brominated vegetable oil. Serial No. 503,542; Dec. 31. Class 46.

Alden, C. H., Shoe Co.: *See*—
Old Colony Shoe Company.

Allhi Products, Stratford, Conn. Brassières. Serial No. 486,708; Dec. 31. Class 39.

American Cyanamid Company, New York, N. Y. Weed-killer. Serial No. 511,853; Dec. 31. Class 6.

American Peace Society, Washington, D. C. Magazine published quarterly. Serial No. 497,289; Dec. 31. Class 38.

Arcady Farms Milling Company, Chicago, Ill. Column or section in a periodically issued, printed publication. Serial No. 486,738; Dec. 31. Class 38.

Ard Products Co.: *See*—
Davis, Arthur N.

Ardmore Co.: *See*—
Kunian, Paul.

Artfred Mfg. Co., San Francisco, Calif. Collapsible clothes drying racks. Serial No. 500,934; Dec. 31. Class 24.

Atlas-Ansonia Company, The, North Haven, Conn. Hooks for hanging household and other articles, etc. Serial No. 502,614; Dec. 31. Class 13.

Austenal Laboratories, Incorporated, New York, N. Y. Artificial teeth and molds. Serial No. 494,003; Dec. 31. Class 44.

Benson & Hedges, New York, N. Y. Cigars, cigarettes, and smoking tobacco. Serial No. 493,644; Dec. 31. Class 17.

Boyle Leather Goods Co. Inc., New York, N. Y. Pyrophoric cigarette lighters. Serial No. 507,294; Dec. 31. Class 34.

Bristol Laboratories Inc.: *See*—
Bristol-Myers Company.

Bristol-Myers Company, assignor to Bristol Laboratories Inc., New York, N. Y. Vitamin containing protein hydrolysate. Serial No. 502,363; Dec. 31. Class 6.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 501,434; Dec. 31. Class 6.

Carwood Manufacturing Company, Winder, Ga. Men's and boys' work pants, work shirts, overalls, etc. Serial No. 500,856; Dec. 31. Class 39.

Chicago Tribune: *See*—
Tribune Company.

Cole, Rex, Inc., Long Island City, N. Y. Thermostatically actuated control mechanisms. Serial No. 498,116; Dec. 31. Class 26.

Commerce Clearing House, Inc., Chicago, Ill. Books, magazines, pamphlets, etc. Serial No. 502,424; Dec. 31. Class 38.

Commercial Metals Treating, Inc., Toledo, Ohio. Piping and couplings. Serial No. 499,389; Dec. 31. Class 13.

Comptone Company, Ltd., New York, N. Y. Sun glasses, eye glasses, eye glass frames, etc. Serial No. 500,795; Dec. 31. Class 26.

Conrad Shoe Company, North Abington, Mass. Men's shoes. Serial No. 501,165; Dec. 31. Class 39.

Conroy, Joseph, Gloves, Johnstown, N. Y. Leather gloves and mittens. Serial No. 496,069; Dec. 31. Class 39.

Consolidated Cosmetics, Chicago, Ill. Cigarette holders and ash trays. Serial No. 501,438; Dec. 31. Class 8.

Constant Traction Dressing Co., Inc., Providence, R. I. Surgical dressings. Serial No. 493,254; Dec. 31. Class 44.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 502,494; Dec. 31. Class 28.

Cosmos Dental Products, Inc., New York, N. Y. Coating or lining composition for dental molds. Serial No. 512,163; Dec. 31. Class 44.

Cosmos Dental Products, Inc., New York, N. Y. Synthetic resin denture base materials. Serial No. 512,164; Dec. 31. Class 44.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 498,606; Dec. 31. Class 6.

Coughlin Bros. Co., Inc., East Boston, Mass. Medicated chewing gum. Serial Nos. 480,503–5; Dec. 31. Class 6.

Cowles Magazines, Inc., Des Moines, Iowa. Section of a regularly issued magazine. Serial No. 498,984; Dec. 31. Class 38.

Crosley Corporation, The, Cincinnati, Ohio. Radio scripts published in a continuing series. Serial No. 501,049; Dec. 31. Class 38.

Dan River Mills Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Davis, Arthur N., doing business as Ard Products Co., assignor to P. Lasman, Chicago, Ill. Book marks. Serial No. 501,240; Dec. 31. Class 37.

Ditto, Incorporated, Chicago, Ill. Paper, coated with a transfer medium on one side. Serial No. 499,613; Dec. 31. Class 11.

Diversey Corporation, The, Chicago, Ill. General cleaning compound. Serial No. 495,016; Dec. 31. Class 4.

Dixie Party Foods: *See*—
Krasner, Harold.

Dohrmann Hotel Supply Co., San Francisco, Calif. Ventilators. Serial No. 505,151; Dec. 31. Class 34.

Dohrmann Hotel Supply Co., San Francisco, Calif. Ventilators. Serial No. 505,893; Dec. 31. Class 34.

Eastern Isles Importing Co. Inc., New York, N. Y. Slips, housecoats, blouses, etc. Serial No. 502,565; Dec. 31. Class 39.

East Side Tool and Die Works: *See*—
Morand, Donald A.

Ebersole-Gaetz-Rhodes Co., Clarence Center, N. Y. Preparation for the treatment of coccidiosis. Serial No. 485,862; Dec. 31. Class 6.

Eckhardt-Berman Corp., Mount Vernon, N. Y. Bookends, breakfronts, coffee tables, etc. Serial No. 469,434; Dec. 31. Class 32.

Ellis Paint Company, Long Beach, Calif. Full gloss enamel, gloss enamel paints. Serial No. 492,827; Dec. 31. Class 16.

Elverson Distilling Company, Inc., The, Philadelphia, Pa. Potable, distilled spiritous beverages. Serial No. 501,315; Dec. 31. Class 49.

Essley Shirt Company, Inc., assignee: *See*—
Trubenizing Process Corporation.

Filtration Engineers, Incorporated, New York, N. Y. Automatic vacuum filters, automatic sand filters, non-atomizing wash filters, etc. Serial No. 509,647; Dec. 31. Class 31.

Flower Foods, Inc., Maywood, Ill. Composition containing chemical ingredients. Serial No. 501,967; Dec. 31. Class 6.

Frostar Frozen Food Centers, Inc., White Plains, N. Y. Quick frozen foods. Serial No. 485,208; Dec. 31. Class 46.

Gamble-Skogmo, Inc., Minneapolis, Minn. Juvenile and nursery furniture. Serial No. 487,320; Dec. 31. Class 32.

Gartner & Bender, Inc., Chicago, Ill. Greeting cards. Serial No. 494,055; Dec. 31. Class 38.

Gerda Footwear Co., New York, N. Y. Men's, women's, and children's shoes and sandals. Serial No. 500,651; Dec. 31. Class 39.

Golden Arrow Toiletries, New York, N. Y. Face soaps, bath soaps, and shaving creams. Serial No. 495,170; Dec. 31. Class 4.

Golden Arrow Toiletries, New York, N. Y. Face soaps, bath soaps, and shaving creams. Serial No. 495,288; Dec. 31. Class 4.

Golden Gate Bulb Co., Berkeley, Calif. Cut flowers and bulbs. Serial No. 488,957; Dec. 31. Class 1.

Goldwasser Maternity Dressers Inc., New York, N. Y. Women's dresses. Serial No. 496,957; Dec. 31. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Adhesive cement. Serial No. 509,771; Dec. 31. Class 5.

Great Atlantic Laboratories, Inc., Boston, Mass. Hair dressing preparation. Serial No. 480,107; Dec. 31. Class 6.

Greenblatt, Samuel, doing business as Monogram Soap Company, Hollywood, Calif. Cologne, toilet water, and hand lotion. Serial No. 498,691; Dec. 31. Class 6.

Greenfield, Louis, doing business as Thyben Pharmacal Company, Philadelphia, Pa. Medicinal preparation. Serial No. 496,906; Dec. 31. Class 6.

Greer Hydraulics Inc., Brooklyn, N. Y. Propeller governor test machine. Serial No. 494,270; Dec. 31. Class 26.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon page and/or strip. Serial No. 500,880; Dec. 31. Class 38.

Hudnut, Richard, New York, N. Y. Face powder, foundation lotion, and rouge. Serial No. 494,681; Dec. 31. Class 6.

Hunter, Jack E., Van Port City, Oreg. Preparation for treating colon and stomach disorders, etc. Serial No. 489,583; Dec. 31. Class 6.

Hyde Park Lumber Co., The, Cincinnati, Ohio. Kitchen cabinets, base units for kitchen cabinets, sink drains, etc. Serial No. 489,122; Dec. 31. Class 32.

Ideas Unlimited, Los Angeles, Calif. Ceramic containers. Serial No. 487,953; Dec. 31. Class 30.

Infants Socks, Inc., Reading, Pa. Polo shirts and hosiery. Serial No. 505,106; Dec. 31. Class 39.

Irwin, Neisler & Co., Decatur, Ill. Medicinal tablet. Serial No. 497,313; Dec. 31. Class 6.
Kaylon Incorporated, New York, N. Y. Men's pajamas, night robes, and shirts, etc. Serial No. 488,036; Dec. 31. Class 39.
Kellogg, P. P., & Co.: *See*—
United States Envelope Company.
Kessler, Milton, doing business as Kessler Products Company, Youngstown, Ohio. Flashlights. Serial No. 494,686; Dec. 31. Class 21.
Kessler Products Company: *See*—
Kessler, Milton.
Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. Serial No. 501,912; Dec. 31. Class 26.
Krasner, Harold, doing business under the name of Dixie Party Foods, Belleville, N. J. Pretzels. Serial No. 489,913; Dec. 31. Class 46.
Kunian, Paul, doing business as Ardmore Co., Minneapolis, Minn. Cosmetics and toiletries. Serial No. 512,002; Dec. 31. Class 6.
Laboraterios Veter, S. A., Habana, Cuba. Liquid medicines and liquid vaccines. Serial No. 477,891; Dec. 31. Class 6.
Lampl, Walter, New York, N. Y. Ornamental dress and lapel pins, earrings, and bracelets. Serial No. 501,515; Dec. 31. Class 28.
Larsen, Robert E., Chicago, Ill. Readily attachable or detachable hooks. Serial No. 500,883; Dec. 31. Class 13.
Lasman, Paul, assignee: *See*—
Davis, Arthur N.
Levy, Herbert E., Jr., Houston, Tex. Ladies' and misses' shoes. Serial No. 499,244; Dec. 31. Class 39.
Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. Serial No. 491,862; Dec. 31. Class 26.
Madamoiselle Co., The, Philadelphia, Pa. Home permanent waving kit. Serial No. 487,425; Dec. 31. Class 50.
March Corporation, Chicago, Ill. Smoking pipes. Serial No. 501,994; Dec. 31. Class 8.
Margulis Brothers, St. Louis, Mo. Wearing apparel. Serial No. 503,381; Dec. 31. Class 39.
Mason, F. E., & Sons, Batavia, N. Y. Embossed labels and printed labels. Serial No. 499,139; Dec. 31. Class 38.
Mayer, Jerome, New York, N. Y. Electric lamps. Serial No. 501,916; Dec. 31. Class 21.
McKay Company, The, Pittsburgh, Pa. Welding electrodes of the rod or wire type. Serial No. 499,423; Dec. 31. Class 14.
Mecos, Inc., New Orleans, La. Hair dressing, pressing oil, scalp preparations, etc. Serial No. 497,259; Dec. 31. Class 6.
Meijer's, O. J., Dextrinefabrieken, N. V., Veendam, Netherlands. Decolouring substance. Serial No. 497,730; Dec. 31. Class 6.
Merz, F. O., & Co., Philadelphia, Pa. Pocketbooks, billfolds, wallets, etc. Serial No. 500,106; Dec. 31. Class 3.
Meszaros & Fisher, Chicago, Ill. Sheet music and musical publications. Serial No. 501,466; Dec. 31. Class 38.
Modern Engineering and Development Co., Los Angeles, Calif. Attachment to the neck of a spirits bottle. Serial No. 499,795; Dec. 31. Class 13.
Molded Insulation Company, Philadelphia, Pa. Toy trains, toy carriages, toy carts, etc. Serial No. 490,687; Dec. 31. Class 22.
Monogram Soap Company: *See*—
Greenblatt, Samuel.
Morand, Donald A., doing business as East Side Tool and Die Works, Portland, Oreg. Latches. Serial No. 467,977; Dec. 31. Class 25.
Motocacoche Société Anonyme, Geneva, Switzerland. Electrically driven machines. Serial No. 473,394; Dec. 31. Class 21.
Nash Engineering Company, South Norwalk, Conn. Pumps and parts thereof. Serial No. 487,793; Dec. 31. Class 23.
Nashua Manufacturing Company, Boston, Mass. Cotton blankets. Serial No. 501,084; Dec. 31. Class 42.
National Silver Company, New York, N. Y. Hair brushes, clothes brushes, shoe brushes, etc. Serial No. 502,763; Dec. 31. Class 29.
New Haven Clock Company, The, assignor to New Haven Clock and Watch Company, New Haven, Conn. Clocks, watches, and parts thereof. Serial No. 500,558; Dec. 31. Class 27.
New Haven Clock and Watch Company, assignee: *See*—
New Haven Clock Company, The.
O-Cedar of Canada Limited, Toronto, Ontario, Canada. Liquid, air freshening deodorants. Serial No. 489,605; Dec. 31. Class 6.
Old Colony Shoe Company, doing business as C. H. Alden Shoe Co., Brockton, Mass. Men's shoes. Serial No. 501,194; Dec. 31. Class 39.
Pacific Allied Products, Seattle, Wash. Cleaner of painted surfaces. Serial No. 499,797; Dec. 31. Class 4.
Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and pen and pencil desk sets. Serial No. 502,453; Dec. 31. Class 37.
Personality Beauty Products Limited, Leicestershire, England. Soaps. Serial No. 495,817; Dec. 31. Class 4.
Planned Age Toys, Inc., New York, N. Y. Toys. Serial No. 486,220; Dec. 31. Class 22.
Plastispec Incorporated, New York, N. Y. Spectacles and sunglasses. Serial No. 502,594; Dec. 31. Class 26.
Pointer, Robert W., doing business as Pointer-Willamette Company, Portland, Oreg. Trailers, structural parts for trailers and trucks, etc. Serial No. 476,115; Dec. 31. Class 19.
Pointer-Willamette Company: *See*—
Pointer, Robert W.
Powell Duffryn Limited, London, England. Coal briquettes. Serial No. 486,503; Dec. 31. Class 1.
Réja, Inc., New York, N. Y. Costume jewelry. Serial No. 501,200; Dec. 31. Class 28.
Rentner, Maurice, Perfume Co., Inc., New York, N. Y. Perfume, cologne, sachet powder, etc. Serial No. 498,714; Dec. 31. Class 6.
Richards, P. E., Company: *See*—
Richards, Paul E.
Richards, Paul E., doing business as P. E. Richards Company, Terrell, Tex. Ice refrigerators. Serial No. 501,408; Dec. 31. Class 31.
Riley, Stephen, Company: *See*—
Riley, Stephen E.
Riley, Stephen E., doing business as Stephen Riley Company, Los Angeles, Calif. Perfume. Serial No. 499,153; Dec. 31. Class 6.
Riverside & Dan River Cotton Mills, Inc., Danville, Va., now by change of name to Dan River Mills Incorporated. Sheets, sheeting and pillowcases. Serial No. 501,205; Dec. 31. Class 42.
Rockwell Manufacturing Company, Pittsburgh and Homewood, Pittsburgh, Pa. Plug valves. Serial No. 497,335; Dec. 31. Class 13.
Rockwell Manufacturing Company, Pittsburgh and Homewood, Pittsburgh, Pa. Liquid meters, gas meters, and meter recorders. Serial No. 497,337; Dec. 31. Class 26.
Rome Cable Corporation, Rome, N. Y. Insulated electrical conductors, wires, and cables. Serial No. 501,928; Dec. 31. Class 21.
Rosevear, William B., Jr., Grensboro, N. C. Tooth paste. Serial No. 511,898; Dec. 31. Class 6.
Royal Craftsmen, Inc., New York, N. Y. Simulated pearls. Serial Nos. 503,006–8; Dec. 31. Class 28.
Savage, Inc., Buffalo, N. Y. Tags, printed and ready for use. Serial No. 497,046; Dec. 31. Class 38.
Schick Incorporated, Stamford, Conn. Razor wall bracket. Serial No. 502,722; Dec. 31. Class 13.
Schleifer & Lubell, New York, N. Y. Children's and girls' dresses, blouses, outer skirts, etc. Serial No. 498,716; Dec. 31. Class 39.
Sidallis, Inc., New York, N. Y. Brassières. Serial No. 501,141; Dec. 31. Class 39.
Siebe, Gorman & Company Limited, Tolworth, Surrey, England. Cylinders and capsules for compressed gas. Serial No. 483,119; Dec. 31. Class 2.
Smith, Olive, Chicago, Ill. Cologne, face powder, lipstick, etc. Serial No. 501,480; Dec. 31. Class 6.
Sosin, Walter S., doing business as Walstan Co., New York, N. Y. Cologne. Serial No. 498,725; Dec. 31. Class 6.
Special Chemicals Co., The, Cleveland, Ohio. Bulk commercial synthetic resins. Serial No. 489,772; Dec. 31. Class 1.
Steel Pharmaceutical Co. Inc., New York, N. Y. Tablets of mannitol hexanitrate with pentobarbital sodium. Serial No. 502,032; Dec. 31. Class 6.
Tanglefoot Company, The, Grand Rapids, Mich. Electrically heated atomizer. Serial No. 502,036; Dec. 31. Class 21.
Thompson-Hayward Chemical Company, Kansas City, Mo. Vitamin concentrate. Serial No. 493,851; Dec. 31. Class 6.
Thyben Pharmacal Company: *See*—
Greenfield, Louis.
Tribune Company, doing business as Chicago Tribune, Chicago, Ill. Series of cartoons. Serial Nos. 502,350–1; Dec. 31. Class 38.
Trubenizing Process Corporation, assignor to Essley Shirt Company, Inc., New York, N. Y. Outer shirts, collars, and cuffs. Serial Nos. 499,174–5; Dec. 31. Class 39.
United Shoe Machinery Corporation, Boston, Mass. Stitching wax. Serial No. 501,941; Dec. 31. Class 6.
United States Envelope Company, Springfield, Mass. Correspondence paper and envelopes. Serial No. 493,298; Dec. 31. Class 37.
United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 493,301; Dec. 31. Class 37.
United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 493,856; Dec. 31. Class 37.
United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 493,904; Dec. 31. Class 37.
United States Envelope Company, doing business as P. P. Kellogg & Co., Springfield, Mass. Correspondence paper and envelopes. Serial No. 494,169; Dec. 31. Class 37.
United States Envelope Company, Springfield, Mass. Paper for printing and engraving purposes, etc. Serial No. 494,171; Dec. 31. Class 37.

United States News Publishing Corporation, Washington, D. C. Section of periodical publications. Serial Nos. 502,672–3; Dec. 31. Class 38.
United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Jewels and formed ornamental jewel pieces. Serial No. 487,229; Dec. 31. Class 28.
Wabash Manufacturing Company, Chicago, Ill. Accumulators, capillary tubes, and heat exchangers. Serial No. 493,635; Dec. 31. Class 31.
Walstan Co.: *See*—
Sosin, Walter S.
West Disinfecting Company, Long Island City, N. Y. Sweeping compound. Serial No. 499,930; Dec. 31. Class 4.
Westbury Chemical Company, Inc., New York, N. Y. Medicines. Serial No. 489,549; Dec. 31. Class 6.
Wolfe & Lang, Inc., New York, N. Y. Girdles, corsets, and brassières. Serial No. 498,673; Dec. 31. Class 39.
Wright & Glenn Company, Inc., New York, N. Y. Children's cosmetics. Serial No. 499,302; Dec. 31. Class 6.
Zylo Ware Corporation, Long Island City, N. Y. Spectacle frames. Serial No. 502,677; Dec. 31. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, New York and Brooklyn, to Abraham & Straus, Inc., Brooklyn, N. Y. Watches, watchcases, watch-dials, etc. 58,269; re-renewed Dec. 11, 1946. O. G. Dec. 31. Class 27.
Abraham & Straus, Inc.: *See*—
Abraham & Straus.
Aero-Pel: *See*—
Frantz Industries.
Ajax Box Company, The: *See*—
Ajax Box Company.
Ajax Box Company, to The Ajax Box Company, Chicago, Ill. Corrugated boxes known in trade as fiber boxes. 221,753; renewed Dec. 7, 1946. O. G. Dec. 31. Class 2.
Aktiebolaget Stille-Werner, Stockholm, Sweden. Meat slicing and cutting machines and parts thereof, table knives, table forks, etc. 218,663; renewed Sept. 28, 1946. O. G. Dec. 31. Class 23.
Alumni Research Foundation of the College of Medical Evangelists, Loma Linda, Calif. Devices for the internal fixation of fractured femurs. 426,586; Dec. 31. Class 44.
American Display Company, The, Dayton, Ohio. Fish baits and fish lures. 426,550; Dec. 31; Serial No. 497,155; published Oct. 15, 1946. Class 22.
Amusematic Corporation, Chicago, Ill. Coin controlled amusement apparatus. 426,580; Dec. 31; Serial No. 507,452; published Oct. 15, 1946. Class 22.
Anglo Fabrics Company, assignor to Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. 426,593; Dec. 31. Class 42.
Anglo Fabrics Company, Inc., assignee: *See*—
Anglo Fabrics Company.
Arcelay, J. O. Garcia, doing business as Licorería Garcia, Mayaguez, P. R. Rum. 426,542; Dec. 31; Serial No. 494,769; published Oct. 1, 1946. Class 49.
Associated Merchandising Corporation, to Associated Merchandising Corporation, New York, N. Y. Bed sheets and pillowcases. 222,859; renewed Jan. 11, 1947. O. G. Dec. 31. Class 42.
Associated Products, Inc., Toledo, Ohio. Electric ranges. 426,597; Dec. 31. Class 21.
Atkins, E. C., & Company, Indianapolis, Ind., New York, N. Y., Memphis, Tenn., Atlanta, Ga., Minneapolis, Minn., Portland, Oreg., etc., to E. C. Atkins & Company, Indianapolis, Ind. Saws. 54,741; re-renewed June 26, 1946. O. G. Dec. 31. Class 23.
Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Port wine produced in Portugal. 426,545; Dec. 31; Serial No. 495,857; published Oct. 1, 1946. Class 47.
Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Sherry wine produced in Spain. 426,546; Dec. 31; Serial No. 946,119; published Oct. 1, 1946. Class 47.
Baby Chick Company: *See*—
Robel, John G.
Baker, Franklin, Company, Hoboken, N. J., to General Foods Corporation, New York, N. Y. Prepared coconut. 220,007; renewed Oct. 26, 1946. O. G. Dec. 31. Class 46.
Baker, Franklin, Company, Hoboken, N. J., to General Foods Corporation, New York, N. Y. Prepared coconut. 220,053; renewed Nov. 2, 1946. O. G. Dec. 31. Class 46.
Baker, Franklin, Company, Hoboken, N. J., to General Foods Corporation, New York, N. Y. Prepared coconut. 220,084; renewed Nov. 2, 1946. O. G. Dec. 31. Class 46.
Ball Brothers Company, Muncie, Ind. Glass fruit or preserving jars. 221,780; renewed Dec. 14, 1946. O. G. Dec. 31. Class 33.
Baltimore Brick Company, Baltimore, Md. Bricks. 222,842; renewed Jan. 11, 1947. O. G. Dec. 31. Class 12.
Bard Manufacturing Company, Bryan, Ohio. Oil, coal, and gas fired hot air furnaces. 426,601; Dec. 31. Class 34.
Barry, R. B., and Company, San Francisco, Calif. War record plaques of cardboard. 426,535; Dec. 31; Serial No. 490,782; published Oct. 1, 1946. Class 50.
Bemis Bro. Bag Company, St. Louis, Mo. Twine. 426,536. Dec. 31; Serial No. 490,921; published Oct. 15, 1946. Class 7.
Better Packages, Incorporated, Shelton, Conn. Tape dispensers. 426,548; Dec. 31; Serial No. 496,601; published Oct. 15, 1946. Class 2.
Bevodel Company, The, Sacramento, Calif. Nonalcoholic, maltless beverages. 426,572; Dec. 31; Serial No. 502,941; published Oct. 8, 1946. Class 45.
Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Sheet material comprised of textile fabric. 426,531; Dec. 31; Serial No. 486,936; published Oct. 1, 1946. Class 50.
Biggs, Floyd R., doing business as Rogers Insulated Wire Co., St. Louis, Mo. Automotive ignition wire and wire sets. 426,590; Dec. 31. Class 21.
Birkmeyer, Fred J.: *See*—
Birkmeyer, John F., & Sons.
Birkmeyer, John F., & Sons, to J. Fred Birkmeyer, doing business as John F. Birkmeyer & Sons, Baltimore, Md. Round or oblong piece of candy. 28,717; re-renewed Aug. 4, 1946. O. G. Dec. 31. Class 46.
Bissell Varnish Company, The, Bridgeport, Conn. Interior varnishes. 221,189; renewed Nov. 23, 1946. O. G. Dec. 31. Class 16.
Blandola Company Limited, The, Whaley Bridge, England. Vegetable gelatin and finishing-sizing. 56,228; renewed Sept. 4, 1946. O. G. Dec. 31. Class 5.
Booth, F. E., Co., to F. E. Booth Company, Inc., San Francisco, Calif. Fresh asparagus. 222,886–7; renewed Jan. 11, 1947. O. G. Dec. 31. Class 46.
Booth, F. E., Company, Inc.: *See*—
Booth, F. E., Co.
Borg-Warner Corporation, Chicago, Ill. Vehicles. 426,525; Dec. 31; Serial No. 482,974; published Oct. 15, 1946. Class 19.
Braden Copper Company, New York, N. Y. Refined copper bars and cakes. 222,050; renewed Dec. 21, 1946. O. G. Dec. 31. Class 14.
Bruhn, Vic. T., Co.: *See*—
Bruhn, Vincent T.
Bruhn, Vincent T., doing business as Vic. T. Bruhn Co., Philadelphia, Pa. China and metal table electric lamps, floor lamps, bridge electric lamps, etc. 426,589; Dec. 31. Class 21.
Buffalo Fluid Chemical Co., Buffalo, N. Y., to La Stella Chemical Co. Chemical fluid. 218,563; renewed Sept. 28, 1946. O. G. Dec. 31. Class 6.
Burgon & Ball Limited, Sheffield, England. Sheep and garden shears. 55,114; re-renewed Aug. 7, 1946. O. G. Dec. 31. Class 23.
C & D Company, The, Grand Rapids, Mich. Pyjamas, nightgowns, negligees, etc. 221,697; renewed Dec. 7, 1946. O. G. Dec. 31. Class 39.
Canfield Oil Company, The, Cleveland, Ohio. Lubricating oils. 426,547; Dec. 31; Serial No. 496,197; published Oct. 1, 1946. Class 15.
Capital Records, Inc., Los Angeles, Calif. Grooved phonograph records. 426,557; Dec. 31; Serial No. 498,980; published Oct. 1, 1946. Class 36.
Carter, Larned & Co., Detroit, Mich., to The Crown Overall Mfg. Company, Cincinnati, Ohio. Leather and kid gloves. 59,406; re-renewed Jan. 8, 1947. O. G. Dec. 31. Class 39.
Carwood Manufacturing Company: *See*—
Woodruff, George W.
Cellucotton Products Company, Neenah, Wis., to International Cellucotton Products Company, Chicago, Ill. Catamenial bandages and absorbent pads or sheets for infants' diapers. 218,683; renewed Sept. 28, 1946. O. G. Dec. 31. Class 44.
Christians, H. C., Co., Johnson Creek, Wis., to H. C. Christians Co., Johnson Creek, Wis., and Chicago, Ill. Butter. 54,495; re-renewed June 26, 1946. O. G. Dec. 31. Class 46.
Christians, H. C., Co., Johnson Creek, Wis., to H. C. Christians Co., Chicago, Ill., and Johnson Creek, Wis. Butter. 58,642; re-renewed Dec. 18, 1946. O. G. Dec. 31. Class 46.
Churchill, Limited, Baltimore, Md. Straight bourbon whiskey, straight rye whiskey, and blended whiskey. 426,558; Dec. 31; Serial No. 499,046; published Oct. 1, 1946. Class 49.
Clark Controller Company, The, Cleveland, Ohio. Electric controllers, magnetic brakes, and electric switches. 216,125; renewed Aug. 3, 1946. O. G. Dec. 31. Class 21.
Clougherty Bros., assignor to Clougherty Packing Company, Vernon, Calif. Meat and meat products. 426,538; Dec. 31; Serial No. 491,232; published Oct. 8, 1946. Class 46.
Clougherty Packing Company, assignee: *See*—
Clougherty Bros.

Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 221,698; renewed Dec. 7, 1946. O. G. Dec. 31. Class 39.

Colman, J. & J., London, to Reckitt & Colman Limited, Hull, England. Table-mustard and mustard. 28,734; re-renewed Aug. 18, 1946. O. G. Dec. 31. Class 46.

Concentrated Acetylene Company, The, Indianapolis, Ind., to The Prest-O-Lite Company, Inc., New York, N. Y. Illuminating gas. 58,719; re-renewed Dec. 25, 1946. Dec. 31. Class 6.

Concordade Company, Inc., Providence, R. I. Non-alcoholic, non-cereal, maltless beverages. 426,570; Dec. 31; Serial No. 502,122; published Oct. 8, 1946. Class 45.

Concordia Milling Company: *See*—
Concordia Milling Co., The.

Concordia Milling Co., The, to Concordia Milling Company, Concordia, Kans. Wheat flour. 220,675; renewed Nov. 16, 1946. O. G. Dec. 31. Class 46.

Connell Bros. Company, Seattle, Wash., to Connell Bros. Company Ltd., San Francisco, Calif. Fresh apples. 204,488; renewed Oct. 20, 1945. O. G. Dec. 31. Class 46.

Connell Bros. Company Ltd.: *See*—
Connell Bros. Company.

Consolidated Cosmetics, Chicago, Ill. China dinnerware and china and earthenware chambers, pitchers, etc. 426,569; Dec. 31; Serial No. 500,005; published Oct. 8, 1946. Class 30.

Couper, Thomas B., Jr., Glen Ridge, N. J. Phonograph sound records. 426,554; Dec. 31; Serial No. 497,848; published Oct. 8, 1946. Class 36.

Crown Overall Mfg. Company, The: *See*—
Carter, Larned & Co.

Curcio, V. J., Co.: *See*—
Curcio, Vincent J.

Curcio, Vincent J., doing business as V. J. Curcio Co., Jersey City, N. J. Hair tonics. 222,883; renewed Jan. 11, 1947. O. G. Dec. 31. Class 6.

Curcio, Vincent J., doing business as V. J. Curcio Co., Jersey City, N. J. Hair creams. 222,884; renewed Jan. 11, 1947. O. G. Dec. 31. Class 6.

Daniels, C. R., Inc., Hillsdale, Baltimore, Md. Tents. 426,556; Dec. 31; Serial No. 498,507; published Oct. 8, 1946. Class 50.

Danghbetee, Dillard D., doing business as Gee Wiz Bait Co., Richland Center, Wis. Fish lures. 426,579; Dec. 31; Serial No. 507,111; published Oct. 15, 1946. Class 22.

Dental Specialty Manufacturing Co., Inc., The, Denver, Colo. Methyl methacrylate denture material. 426,600; Dec. 31. Class 44.

Diamond Crystal Salt Co., St. Clair, Mich., to General Foods Corporation, New York, N. Y. Table and dairy salt. 58,398; re-renewed Dec. 11, 1946. O. G. Dec. 31. Class 46.

Diaz, Carlos J., doing business as Parfumerie Nancy, New York, to Jacinto Sosa, Brooklyn, N. Y. Face creams, face powders, face packs, etc. 219,142; renewed Oct. 12, 1946. O. G. Dec. 31. Class 6.

Di Santo & Company: *See*—
Di Santo, Joseph.

Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. Cottonseed salad oil, malt sirup, macaroni, etc. 222,980; renewed Jan. 11, 1947. O. G. Dec. 31. Class 46.

Doulton & Co. Limited, Lambeth, London, to Doulton & Co. Limited, Burslem, Stoke-on-Trent, England. Pottery, earthenware, and china. 50,410–11; re-renewed Mar. 13, 1946. O. G. Dec. 31. Class 30.

Downer Hawes and Company, Incorporated, to The La Resista Corset Company, Bridgeport, Conn. Corsets. 52,034; re-renewed May 1, 1946. O. G. Dec. 31. Class 39.

Ecuadorian Panama Hat Company: *See*—
Israel, Elias.

Ecuadorian Panama Hat Co. Inc.: *See*—
Israel, Elias.

Elbe File & Binder Co. Inc., Fall River, Mass. Stationery and office supplies. 426,602; Dec. 31. Class 37.

Electrographic Corporation, doing business as Mid-West Body & Mfg. Division, Electrographic Corporation, New York, N. Y. Truck body platforms and truck bodies. 426,604; Dec. 31. Class 19.

Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Measuring-faucets and measuring-pumps. 59,604; re-renewed Jan. 15, 1947. O. G. Dec. 31. Class 26.

Eppens, Smith Company, New York, N. Y. Green coffee. 217,941; renewed Sept. 14, 1946. O. G. Dec. 31. Class 46.

Esquire Novelty Co., New York, N. Y. Holster sets. 426,522; Dec. 31; Serial No. 478,312; published Mar. 27, 1945. Class 22.

Feb Knode Inc., South Bend, Ind. Dolls. 426,578; Dec. 31; Serial No. 506,036; published Oct. 15, 1946. Class 22.

Foster & Company, New York, N. Y. Whiskey. 426,540; Dec. 31; Serial No. 493,673; published Oct. 1, 1946. Class 49.

Fostoria Glass Company, Moundsville, W. Va. Table glassware. 222,450; renewed Jan. 4, 1947. O. G. Dec. 31. Class 33.

Franek, Eugene P., doing business under the name Franek's Wholesale Liquor, New Orleans, La. Wine. 426,567; Dec. 31; Serial No. 500,071; published Sept. 24, 1946. Class 47.

Franek's Wholesale Liquor: *See*—
Franek, Eugene P.

Frantz Industries, also doing business as Aero-Pel, Los Angeles, Calif. Electric or gasoline passenger carrying vehicles. 426,539; Dec. 31; Serial No. 491,822; published Oct. 15, 1946. Class 19.

Galloway, George M., doing business as Grand Lake Fishing Tackle, Celina, Ohio. Artificial fish baits. 426,575; Dec. 31; Serial No. 504,348; published Oct. 15, 1946. Class 22.

Galloway, George M., doing business as Grand Lake Fishing Tackle, Celina, Ohio. Artificial fish baits. 426,576; Dec. 31; Serial No. 504,437; published Oct. 15, 1946. Class 22.

Garcia, Licoreria: *See*—
Arcelay, J. O. Garcia.

Gee Wiz Bait Co.: *See*—
Danghbetee, Dillard D.

Geisler Ganz Corp., New York, N. Y. Outdoor, windproof, card holders. 426,573; Dec. 31; Serial No. 503,723; published Oct. 15, 1946. Class 22.

General Foods Corporation: *See*—
Baker, Franklin, Company.
Diamond Crystal Salt Co.

Girl Scouts, New York, N. Y. Certain-named articles of paper and stationery. 215,320; renewed July 13, 1946. O. G. Dec. 31. Class 37.

Girl Scouts, New York, N. Y. Whistles and bugles. 215,321; renewed July 13, 1946. O. G. Dec. 31. Class 36.

Girl Scouts, New York, N. Y. Buttons, braids, needles, etc. 215,322; renewed July 13, 1946. O. G. Dec. 31. Class 40.

Girl Scouts, New York, N. Y. Blankets, neckerchiefs, handkerchiefs, etc. 215,323; renewed July 13, 1946. O. G. Dec. 31. Classes 42 and 39.

Girl Scouts, New York, N. Y. Haversacks, knapsacks, luggage carriers, etc. 215,346; renewed July 13, 1946. O. G. Dec. 31. Classes 2, 3, 39, 40, 44 and 50.

Goodman, N., & Son, New York, N. Y., to C. Pappas Company, Inc., Boston, Mass. Pure salad oil. 215,760; renewed July 27, 1946. O. G. Dec. 31. Class 46.

Grand Caillou Packing Co. Inc., Houma, La. Canned shrimp, canned oysters, canned vegetables. 222,992; renewed Jan. 11, 1947. O. G. Dec. 31. Class 46.

Grand Lake Fishing Tackle: *See*—
Galloway, George M.

Graves, E. S., Marblehead, Mass. Small boats. 426,544; Dec. 31; Serial No. 495,731; published Oct. 15, 1946. Class 19.

Great American Tea Company, The: *See*—
Great American Tea Co.

Great American Tea Co., The, Brooklyn, to The Great American Tea Company, New York, N. Y. Coffee. 215,009; renewed July 6, 1946. O. G. Dec. 31. Class 46.

Greenebaum Brothers, to I. Jablow & Co., Inc., Philadelphia, Pa. Outershirts. 59,404; re-renewed Jan. 8, 1947. O. G. Dec. 31. Class 39.

Grip Nut Company, Chicago, Ill. Brake beam safety supports for railway cars. 426,534; Dec. 31; Serial No. 489,068; published Oct. 15, 1946. Class 19.

Halferty, G. P., & Co., Seattle, Wash. Canned salmon. 222,242; renewed Dec. 28, 1946. O. G. Dec. 31. Class 46.

Halferty, G. P., & Co., Seattle, Wash. Canned salmon. 222,288–9; renewed Dec. 28, 1946. O. G. Dec. 31. Class 46.

Halferty, Peter F., Aberdeen, to Pioneer Canneries, Inc., Seattle, Wash. Minced clams. 58,829; re-renewed Dec. 25, 1946. O. G. Dec. 31. Class 46.

Hall Fabrics Company: *See*—
Hall, Jules.

Hall, Jules, doing business as Hall Fabrics Company, New York, N. Y. Cotton and rayon fabrics. 426,585; Dec. 31. Class 42.

Hamadala Company, The, Buffalo, N. Y., to The Hamadala Company, Inc., Cleveland, Ohio. Antiseptic toilet cream. 204,483; renewed Sept. 22, 1945. O. G. Dec. 31. Class 6.

Hamadala Company, Inc., The: *See*—
Hamadala Company, The.

Harman Watch Company, New York, N. Y. Radio receivers, radio transmitters; television receivers and transmitters; etc. 426,591; Dec. 31. Class 21.

Hart Manufacturing Co., The, Cleveland, Ohio. Die-stocks. 49,311; re-renewed Jan. 30, 1947. O. G. Dec. 31. Class 23.

Hawkins & Orcutt, Gloversville, N. Y. Handbags. 426,577; Dec. 31; Serial No. 505,056; published Oct. 15, 1946. Class 3.

Hearst Publications, Incorporated: *See*—
Hearst, William R.

Hearst, William R., New York, N. Y., to Hearst Publications, Incorporated, Los Angeles, Calif. Newspaper. 57,355; re-renewed Nov. 13, 1946. O. G. Dec. 31. Class 38.

Hillegas, John W., doing business as Red's Model Shop, Cleveland, Ohio. Cement or adhesive. 426,609; Dec. 31. Class 5.

Hoak, D. R., doing business as West Coast Growers & Packers, Fresno, Calif. Raisins. 426,568; Dec. 31; Serial No. 500,304; published Oct. 8, 1946. Class 46.

Holliston Mills, Inc., The: *See*—
Siegbert, Louis, & Bro.

Inecto, Inc., to Sales Affiliates, Inc., New York, N. Y. Hair dye. 215,672; renewed July 20, 1946. O. G. Dec. 31. Class 6.

Intercontinental Audio-Video Corporation, New York, N. Y. Motion picture films and film strips. 426,595; Dec. 31. Class 26.

International Cellucotton Products Company: *See*—
Cellucotton Products Company.

International Cement Corporation, to Lone Star Cement Corporation, New York, N. Y. Portland cement. 221,809; renewed Dec. 14, 1946. O. G. Dec. 31. Class 12.

Israel, Elias, doing business as Ecuadorian Panama Hat Company, to Ecuadorian Panama Hat Co. Inc., New York, N. Y. Woven fiber hats. 222,999; renewed Jan. 11, 1947. O. G. Dec. 31, 1946. Class 39.

Jablow, I., & Co., Inc.: *See*—
Greenebaum Brothers.

Jackson, O. W., & Co., Inc., New York, N. Y. Rubber floor mats. 215,296; renewed July 13, 1946. O. G. Dec. 31. Class 50.

Karasik Brothers Co.: *See*—
Karasik, Holleb & Co.

Karasik, Holleb & Co., to Karasik Brothers Co., Chicago, Ill. Certain named food products. 222,319; renewed Dec. 28, 1946. O. G. Dec. 31. Class 46.

Keystone Fence Company, Peoria, to Keystone Steel & Wire Company, Peoria (South Bartonville), Ill. Wire fence. 58,221; re-renewed Dec. 11, 1946. O. G. Dec. 31. Class 13.

Keystone Steel & Wire Company: *See*—
Keystone Fence Company.

Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Mobile units for fire extinguishing equipment. 426,527; Dec. 31; Serial No. 485,287; published Oct. 15, 1946. Class 19.

Kobrand Corporation, New York, N. Y. Wines. 426,566; Dec. 31; Serial No. 499,904; published Oct. 1, 1946. Class 47.

Kornblum, Herman E., Monticello, N. Y. Non-alcoholic, non-cereal, maltless beverages. 426,571; Dec. 31; Serial No. 502,757; published Oct. 8, 1946. Class 45.

Kramer, Charles A., doing business as Southern California Fruit Products Co., Los Angeles, Calif. Lemon juice. 426,562; Dec. 31; Serial No. 499,498; published Oct. 1, 1946. Class 46.

Kruse & Connor, Chicago, Ill. Coin controlled amusement game apparatus. 426,581; Dec. 31; Serial No. 507,474; published Oct. 15, 1946. Class 22.

Lanston Monotype Machine Company, Philadelphia, Pa. Paper ribbons or controllers. 58,649; re-renewed Dec. 18, 1946. O. G. Dec. 31. Class 37.

La Resista Corset Company, The: *See*—
Downer Hawes and Company, Incorporated.

La Stella Chemical Co.: *See*—
Buffalo Fluid Chemical Co.

Leco Feed Mills, Inc., Kinston, N. C. Feeds for poultry. 426,549; Dec. 31; Serial No. 496,640; published Oct. 8, 1946. Class 46.

Lehn & Fink, Inc., to S. B. Penick & Company, New York, N. Y. Incense. 200,594; renewed July 7, 1945. O. G. Dec. 31, 1946. Class 6.

Link-Belt Company, Chicago, Ill. Composite transmission and conveyer chains. 222,800; renewed Jan. 11, 1947. O. G. Dec. 31, 1946. Class 13.

Little Corporal Co., The, to The Little Corporal Co., Chicago, Ill. Abdominal belts. 211,156; renewed Apr. 6, 1946. O. G. Dec. 31. Class 44.

Lone Star Cement Corporation: *See*—
International Cement Corporation.

Loudonville Milling Company: *See*—
Yo! Ho! Products Company, The.

Lowell Manufacturing Co.: *See*—
Lowell Specialty Co.

Lowell Specialty Co., doing business as Lowell Manufacturing Co., Chicago, Ill., and Lowell, Mich. Small portable unitary electric insecticide sprayers. 426,596; Dec. 31. Class 21.

Lusri, Joseph P., Cleveland, Ohio. Swabs used for the removal of nail polish. 426,543; Dec. 31; Serial No. 495,484; published Oct. 15, 1946. Class 44.

M. O. T. Industries: *See*—
Teetor, Macy O.

Mahn, Godfrey S., New York, N. Y., to Yahn and McDonnell, Philadelphia, Pa. Cigars, cigarettes, and smoking-tobacco. 58,446–7; re-renewed Dec. 18, 1946. O. G. Dec. 31. Class 17.

Maish, Chas. A., Co., The, Cincinnati, Ohio. Quilts. 59,658; re-renewed Jan. 15, 1947. O. G. Dec. 31, 1946. Class 42.

Massachusetts Cotton Mills, Lowell, to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 55,613–15; re-renewed Aug. 21, 1946. O. G. Dec. 31. Class 42.

Massachusetts Cotton Mills, Lowell, to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 55,763; re-renewed Aug. 21, 1946. O. G. Dec. 31. Class 42.

Mid-West Body & Mfg. Division, Electrographic Corporation: *See*—
Electrographic Corporation.

Mills Music, Inc.: *See*—
Nicomede, Jos. W.

Mosinee Paper Mills Company, Mosinee, Wis. Paper. 426,599; Dec. 31. Class 37.

Murphy, Patrick, Inc., City Island, N. Y. Small boats. 426,551; Dec. 31; Serial No. 497,323; published Oct. 15, 1946. Class 19.

Nancy Ann Dressed Dolls, assignor to Nancy Ann Storybook Dolls, Inc., San Francisco, Calif. Dressed dolls. 426,526; Dec. 31; Serial No. 483,078; published July 9, 1946. Class 22.

Nancy Ann Storybook Dolls, Inc., assignee: *See*—
Nancy Ann Dressed Dolls.

Nestlé's Milk Products, Inc.: *See*—
Penny, Salvator.

New York Merchandise Company, Inc., New York, N. Y. Hair nets. 215,890–1; renewed July 27, 1946. O. G. Dec. 31. Class 42.

New York Merchandise Company, Inc., New York, N. Y. Hair nets. 217,174; renewed Aug. 24, 1946. O. G. Dec. 31. Class 39.

Nicomede, Jos. W., doing business as Nicomede Music Co., Altoona, Pa., to Mills Music, Inc., New York, N. Y. Nickel and brass polish. 215,614; renewed July 20, 1946. O. G. Dec. 31. Class 4.

Nicomede, Jos. W., doing business as Nicomede Music Co., Altoona, Pa., to Mills Music, Inc., New York, N. Y. Silver and gold polish. 215,656; renewed July 20, 1946. O. G. Dec. 31. Class 4.

Nicomede Music Co.: *See*—
Nicomede, Jos. W.

Ohio Brass Company, The, Mansfield, Ohio. Electric connectors, electric rail bonds, and electric conductors. 219,897; renewed Oct. 26, 1946. O. G. Dec. 31. Class 21.

Owens-Corning Fiberglas Corporation, Toledo, Ohio. Electrical insulation. 426,582; Dec. 31. Class 21.

Owens-Corning Fiberglas Corporation, Toledo, Ohio. Flock and milled glass fibers. 426,583; Dec. 31. Class 1.

Pappas, C., Company, Inc.: *See*—
Goodman, N., & Son.

Parfumerie Nancy: *See*—
Diaz, Carlos J.

Park, David, Atlantic City, N. J. Oil burners for heating plants. 426,608; Dec. 31. Class 34.

Penick, S. B., & Company: *See*—
Lehn & Fink, Inc.

Penndale Distilling Company, Philadelphia, Pa. Corn whiskey. 426,565; Dec. 31; Serial No. 499,729; published Oct. 8, 1946. Class 49.

Penny, Salvator, to Nestlé's Milk Products, Inc., New York, N. Y. Preparation for use as a mother's-milk. 57,029; re-renewed Oct. 30, 1946. O. G. Dec. 31. Class 6.

Pennzoil Company, The: *See*—
Pure Oil Company.

Pepperell Manufacturing Company: *See*—
Massachusetts Cotton Mills.

Pioneer Canneries, Inc.: *See*—
Halferty, Peter F.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Candles. 426,533; Dec. 31; Serial No. 488,420; published Oct. 1, 1946. Class 15.

Porter-Bede-Langtry Corporation, Chicago, Ill., to Stamats Publishing Corporation, Cedar Rapids, Iowa. Biweekly magazines. 211,591; renewed Apr. 13, 1946. O. G. Dec. 31. Class 38.

Porter-Langtry Company, Chicago, Ill., to Stamats Publishing Company, Cedar Rapids, Iowa. Biweekly magazines. 211,592; renewed Apr. 13, 1946. O. G. Dec. 31. Class 38.

Potok Corporation, New York, N. Y. Children's and misses' blouses. 426,588; Dec. 31. Class 39.

Precision Welding and Engineering Company, Cleveland, Ohio. Hand trucks. 426,559; Dec. 31; Serial No. 499,075; published Oct. 15, 1946. Class 19.

Prest-O-Lite Company, Inc., The: *See*—
Concentrated Acetylene Company, The.

Price, Eleanore, doing business as White Orchid Cosmetic Co., Hollywood, Calif. Liquid cleansing cream. 426,587; Dec. 31. Class 6.

Pure Oil Company, Philadelphia, Pa., to The Pennzoil Company, Los Angeles, Calif. Lubricating-oils. 59,007; re-renewed Dec. 25, 1946. O. G. Dec. 31. Class 15.

Putnam Knitting Company, Cohoes, N. Y. Knitted dishcloths and sponge cloths. 223,178; renewed Jan. 18, 1947. O. G. Dec. 31. Class 42.

Raven Screen Corporation, New York, N. Y. Screens, stereopticons, and similar projecting apparatus. 218,160; renewed Sept. 21, 1946. O. G. Dec. 31. Class 26.

Reckitt & Colman Limited: *See*—
Colman, J. & J.

Red's Model Shop: *See*—
Hillegas, John W.
Richmond-Walker Manufacturing Co., Oakland, Calif. Novelty jewelry. 426,584; Dec. 31. Class 28.
Robel, John G., to Baby Chick Company, Chicago, Ill. Monthly publications. 222,006; renewed Dec. 21, 1946. O. G. Dec. 31. Class 38.
Rogers Insulated Wire Co.: *See*—
Biggs, Floyd R.
Rogue River Valley Canning Company, Medford, Oreg. Canned fruits and canned vegetables. 217,037; renewed Aug. 24, 1946. O. G. Dec. 31. Class 46.
Rose City Foods: *See*—
Searcy, Floyd H.
Rothschild, Maurice L.: *See*—
Zurkow & Son, Incorporated.
Sales Affiliates, Inc.: *See*—
Inecto, Inc.
Scharkopf, Frederick J., Valley Stream, Long Island, N. Y. Hand driven circulating water stream and toy boat. 426,574; Dec. 31; Serial No. 503,761; published Oct. 15, 1946. Class 22.
Scheidt, Adam, Brewing Company, Norristown, Pa. Ginger ale, root beer, orange soda, etc. 426,523; Dec. 31; Serial No. 481,439; published Sept. 24, 1946. Class 45.
Schneider Leather Novelty Co., New York, N. Y. Jewelry. 426,607; Dec. 31. Class 28.
Schroeder, Ludolf G., doing business as Zatso Products Company, Pine Plains, N. Y. Fruit-cereal beverage or imitation coffee. 426,563; Dec. 31; Serial No. 499,512; published Oct. 1, 1946. Class 46.
Scurich, P. A., & Sons, Watsonville, Calif. Fresh apples. 426,564; Dec. 31; Serial No. 499,514; published Oct. 1, 1946. Class 46.
Searcy, Floyd H., doing business as Rose City Foods, Thomasville, Ga. Peanut butter. 426,561; Dec. 31; Serial No. 499,436; published Oct. 8, 1946. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Watches. 215,182; renewed July 13, 1946. O. G. Dec. 31. Class 27.
Sears, Roebuck and Co., Chicago, Ill. Toothbrushes. 216,962–3; renewed Aug. 24, 1946. O. G. Dec. 31. Class 29.
Shafer, Innes Holt, Richmond, to Innes Holt Shafer, Ellerson, Va. Children's money receptacle. 222,792; renewed Jan. 11, 1947. O. G. Dec. 31. Class 22.
Shapleigh Hardware Company, St. Louis, Mo. Radio receiving sets. 426,606; Dec. 31. Class 21.
Shaw, Munson G., Co., New York, N. Y. Wines. 426,555; Dec. 31; Serial No. 498,365; published Sept. 24, 1946. Class 47.
Siegbert, Louis, & Bro., New York, N. Y., to The Hollliston Mills, Inc., Norwood, Mass. Cotton goods and fabrics known as "bindings." 29,441; re-renewed Jan. 12, 1947. O. G. Dec. 31. Class 42.
Silliphant, Leigh, Glendale, Calif. Garlic sauce and soy sauce and wine vinegars. 426,537; Dec. 31; Serial No. 491,173; published Oct. 8, 1946. Class 46.
Smith, Francis J., Wakefield, Mass. Preparation for alleviating coughs, colds, bronchitis, etc. 218,384; renewed Sept. 28, 1946. O. G. Dec. 31. Class 6.
Societe Anonyme Solex, Neuilly-sur-Seine (Seine), France. Petroleum products. 426,528; Dec. 31; Serial No. 485,424; published Oct. 1, 1946. Class 15.
Societe Anonyme Solex, Neuilly-sur-Seine (Seine), France. Petroleum products. 426,529; Dec. 31; Serial No. 485,425; published Oct. 8, 1946. Class 15.
Societe General Francaise de Construction Automobile (Societe Anonyme), Paris, France. Automobiles, motorcycles, and motor tricycles. 426,519; Dec. 31; Serial No. 449,654; published Oct. 15, 1946. Class 19.
Sosa, Jacinto: *See*—
Diaz, Carlos J.
Southern California Fruit Products Co.: *See*—
Kramer, Charles A.
Spartan Mills, Spartanburg, S. C. Cotton piece goods. 222,875; renewed Jan. 11, 1947. O. G. Dec. 31. Class 42.
Stamats Publishing Company: *See*—
Porter-Bede-Langtry Corporation.
Porter Langtry Company.
Standard Cap and Seal Corporation, Chicago, Ill. Bottle closures. 426,552; Dec. 31; Serial No. 497,346; published Oct. 1, 1946. Class 50.
Sugar Products Co., Bloomfield, N. J. Candy. 426,520; Dec. 31; Serial No. 465,234; published Oct. 8, 1946. Class 46.
Sunland Sales Cooperative Association, Fresno, Calif. Raisin-tray paper. 222,766; renewed Jan. 11, 1947; O. G. Dec. 31. Class 37.
Superior Portland Cement Company, to Superior Portland Cement, Inc., Seattle, Wash. Portland cement. 218,232; renewed Sept. 21, 1946. O. G. Dec. 31. Class 12.
Superior Portland Cement, Inc.: *See*—
Superior Portland Cement Company.
Syracuse Ornamental Co., Syracuse, N. Y. Religious and gift statues, statuettes, artificial flowers, etc. 426,532; Dec. 31; Serial No. 487,292; published Oct. 1, 1946. Class 50.
Teetor, Macy O., doing business as M. O. T. Industries, New Castle, Ind. Garment hangers. 426,541; Dec. 31; Serial No. 494,639; published Oct. 8, 1946. Class 50.
Tilbury Fabrics, Inc., New York, N. Y. Piece goods made of silk, rayon, cotton, and combinations thereof. 426,603; Dec. 31. Class 42.
Traubee Products, Inc., Brooklyn, N. Y. Pressure cookers. 426,598; Dec. 31. Class 13.
Universal Ribbon Company, New York, N. Y. Wrapping paper and printing paper. 426,594; Dec. 31. Class 37.
Urban, George, Milling Company, Buffalo, N. Y. Self-rising flour made of a mixture of wheat flour and corn flour. 222,771; renewed Jan. 11, 1947. O. G. Dec. 31. Class 46.
Vargas Manufacturing Company, Providence, R. I. Jewelry. 426,592; Dec. 31. Class 28.
Virginia-Lincoln Corporation, Marion, Va. Aircraft structural parts. 426,530; Dec. 31; Serial No. 485,801; published Oct. 15, 1946. Class 19.
Visionette Optical Corporation, New York, N. Y. Spectacle frames and parts thereof. 426,605; Dec. 31. Class 26.
Wagenman, S. C., Paint Stores Company, The, Cleveland, Ohio. Dry, paste, and ready-mixed paints, varnishes, paint enamels, etc. 221,711; renewed Dec. 7, 1946. O. G. Dec. 31. Class 16.
Wagner Awning & Manufacturing Company, The, Cleveland, Ohio. Awnings, tents, canopies, etc. 426,553; Dec. 31; Serial No. 497,757; published Oct. 1, 1946. Class 50.
West Coast Growers & Packers: *See*—
Hoak, D. R.
White Orchid Cosmetic Co.: *See*—
Price, Eleanore.
Wilkins Company, The: *See*—
Wilkins, Ralph R.
Wilkins, Ralph R., doing business as The Wilkins Company, Cortland, N. Y. Dispenser cabinets. 426,521; Dec. 31; Serial No. 471,111; published Oct. 15, 1946. Class 2.
Woodruff, George W., doing business as Woodruff Manufacturing Company, to Carwood Manufacturing Company, Winder, Ga. Work shirts and overalls. 209,103; renewed Feb. 16, 1946. O. G. Dec. 31. Class 39.
Woodruff Manufacturing Company: *See*—
Woodruff, George W.
Wunderle, Ph.: *See*—
Wunderle, Philip.
Wunderle, Philip, to Ph. Wunderle, Philadelphia, Pa. Candy. 54,959; re-renewed Aug. 7, 1946. O. G. Dec. 31. Class 46.
Wurlitzer, Rudolph, Company, The, Cincinnati, Ohio, to The Rudolph Wurlitzer Company, Chicago, Ill. Radio receiving sets, loud speakers, antennae, etc. 219,563; renewed Oct. 19, 1946. O. G. Dec. 31. Class 21.
Wyeth Incorporated, Philadelphia, Pa. Dry powdered papaya. 426,560; Dec. 31; Serial No. 499,365; published Oct. 1, 1946. Class 46.
Yahn and McDonnell: *See*—
Mahn, Godfrey S.
Yarnall Paint Company, Philadelphia, Pa. Paste and ready-mixed paints. 221,226; renewed Nov. 23, 1946. O. G. Dec. 31. Class 16.
Yo! Ho! Products Company, to Loudonville Milling Company, Loudonville, Ohio. Cake flour. 217,559; renewed Sept. 7, 1946. O. G. Dec. 31. Class 46.
Zatso Products Company: *See*—
Schroeder, Ludolf G.
Zenith Butter and Egg Co., to Zenith-Godley Co. Inc., New York, N. Y. Butter. 219,938; renewed Oct. 26, 1946. O. G. Dec. 31. Class 46.
Zenith-Godley Co., Inc.: *See*—
Zenith Butter and Egg Co.
Zurkow & Son, Incorporated, New York, N. Y., to Maurice L. Rothschild, Chicago, Ill. Men's and boys' suits, coats, trousers, etc. 213,443; renewed May 25, 1946. O. G. Dec. 31. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fibers, Block and milled glass. Owens-Corning Fiberglas Corporation. 426,583; Dec. 31.

CLASS 2

Boxes known in trade as fiber boxes, Corrugated. Ajax Box Company. 221,753; renewed Dec. 7, 1946. O. G. Dec. 31.
Cabinets, Dispenser. R. R. Wilkins. 426,521; Dec. 31; Serial No. 471,111; published Oct. 15, 1946.
Dispensers, Tape. Better Packages, Incorporated. 426,548; Dec. 31; Serial No. 496,601; published Oct. 15, 1946.
Haversacks, knapsacks, luggage carriers, etc. Girl Scouts. 215,346; renewed July 13, 1946. O. G. Dec. 31.

CLASS 3

Handbags. Hawkins & Orcutt. 426,577; Dec. 31; Serial No. 505,056; published Oct. 15, 1946.
Haversacks, knapsacks, luggage carriers, etc. Girl Scouts. 215,346; renewed July 13, 1946. O. G. Dec. 31.

CLASS 4

Polish, Nickel and brass. J. W. Nicomede. 215,614; renewed July 20, 1946. O. G. Dec. 31.
Polish, Silver and gold. J. W. Nicomede. 215,656; renewed July 20, 1946. O. G. Dec. 31.

CLASS 5

Cement or adhesive. J. W. Hillegas. 426,609; Dec. 31.

CLASS 6

Chemical fluid. Buffalo Fluid Chemical Co. 218,563; renewed Sept. 28, 1946. O. G. Dec. 31.
Cream, Antiseptic toilet. Hamadala Company. 203,483; renewed Sept. 22, 1945. O. G. Dec. 31.
Cream, Liquid cleansing. E. Price. 426,587; Dec. 31.
Creams, face powders, face packs, etc., Face. C. J. Diaz. 219,142; renewed Oct. 12, 1946. O. G. Dec. 31.
Dye, Hair. Inecto, Inc. 215,672; renewed July 20, 1946. O. G. Dec. 31.
Gas, Illuminating. Concentrated Acetylene Company. 58,719; re-renewed Dec. 25, 1946. O. G. Dec. 31.
Hair creams. V. J. Curcio. 222,884; renewed Jan. 11, 1947. O. G. Dec. 31.
Hair tonics. V. J. Curcio. 222,883; renewed Jan. 11, 1947. O. G. Dec. 31.
Incense. Lehn & Fink, Inc. 200,594; renewed July 7, 1945. O. G. Dec. 31.
Preparation for alleviating coughs, colds, bronchitis, etc. F. J. Smith. 218,384; renewed Sept. 28, 1946. O. G. Dec. 31.
Preparation for use as a mother's-milk. S. Penny. 57,029; re-renewed Oct. 30, 1946. O. G. Dec. 31.

CLASS 7

Twine. Bemis Bro. Bag Company. 426,536; Dec. 31; Serial No. 490,921; published Oct. 15, 1946.

CLASS 12

Bricks. Baltimore Brick Company. 222,842; renewed Jan. 11, 1947. O. G. Dec. 31.
Cement, Portland. International Cement Corporation. 221,809; renewed Dec. 14, 1946. O. G. Dec. 31.
Cement, Portland. Superior Portland Cement Company. 218,232; renewed Sept. 21, 1946. O. G. Dec. 31.

CLASS 13

Cookers, Pressure. Traubee Products, Inc. 426,598; Dec. 31.
Fence, Wire. Keystone Fence Company. 58,221; re-renewed Dec. 11, 1946. O. G. Dec. 31.
Transmission and conveyer chains, Composite. Link-Belt Company. 222,800; renewed Jan. 11, 1947. O. G. Dec. 31.

CLASS 14

Copper bars and cakes, Refined. Braden Copper Company. 222,050; renewed Dec. 21, 1946. O. G. Dec. 31.

CLASS 15

Candles. Plymouth Wholesale Dry Goods Corporation. 426,533; Dec. 31; Serial No. 488,420; published Oct. 1, 1946.
Lubricating-oils. Pure Oil Company. 59,007; re-renewed Dec. 25, 1946. O. G. Dec. 31.
Oils, Lubricating. Canfield Oil Company. 426,547; Dec. 31; Serial No. 496,197; published Oct. 1, 1946.
Petroleum products. Societe Anonyme Solex. 426,528; Dec. 31; Serial No. 485,424; published Oct. 1, 1946.
Petroleum products. Societe Anonyme Solex. 426,529; Dec. 31; Serial No. 485,425; published Oct. 8, 1946.

CLASS 16

Paints, varnishes, paint enamels, etc., Dry, paste, and ready-mixed. S. C. Wagenman Paint Stores Company. 221,711; renewed Dec. 7, 1946. O. G. Dec. 31.
Paste and ready-mixed paints. Yarnall Paint Company. 221,226; renewed Nov. 23, 1946. O. G. Dec. 31.
Varnishes, Interior. Bissell Varnish Company. 221,189; renewed Nov. 23, 1946. O. G. Dec. 31.

CLASS 17

Cigars, cigarettes, and smoking-tobacco. G. S. Mahn. 58,446–7; re-renewed Dec. 18, 1946. O. G. Dec. 31.

CLASS 19

Aircraft structural parts. Virginia-Lincoln Corporation. 426,530; Dec. 31; Serial No. 485,801; published Oct. 15, 1946.
Automobiles, motorcycles, and motor tricycles. Societe Generale Francais de Construction Automobile (Societe Anonyme). 426,519; Dec. 31; Serial No. 449,654; published Oct. 15, 1946.
Boats, Small. E. S. Graves. 426,544; Dec. 31; Serial No. 495,731; published Oct. 15, 1946.
Boats, Small. Patrick Murphy, Inc. 426,551; Dec. 31; Serial No. 497,323; published Oct. 15, 1946.
Mobile units for fire extinguishing equipment. Walter Kidde & Co. 426,527; Dec. 31; Serial No. 485,287; published Oct. 15, 1946.
Supports for railway cars, Brake beam safety. Grip Nut Company. 426,534; Dec. 31; Serial No. 489,068; published Oct. 15, 1946.
Truck body platforms and truck bodies. Electrographic Corporation. 426,604; Dec. 31.
Trucks, Hand. Precision Welding and Engineering Company. 426,559; Dec. 31; Serial No. 499,075; published Oct. 15, 1946.
Vehicles. Borg-Warner Corporation. 426,525; Dec. 31; Serial No. 482,974; published Oct. 15, 1946.
Vehicles, Electric or gasoline passenger carrying. Frantz Industries. 426,539; Dec. 31; Serial No. 491,822; published Oct. 15, 1946.

CLASS 21

Connecters, electric rail bonds, and electric conductors, Electric. Ohio Brass Company. 219,897; renewed Oct. 26, 1946. O. G. Dec. 31.
Controllers, magnetic brakes, and electric switches, Electric. Clark Controller Company. 216,125; renewed Aug. 3, 1946. O. G. Dec. 31.
Electric insecticide sprayers, Small portable unitary. Lowell Specialty Co. 426,596; Dec. 31.
Electric lamps, floor electric lamps, bridge electric lamps, etc., China and metal table. V. T. Bruhn. 426,589; Dec. 31.
Electric ranges. Associated Products, Inc. 426,597; Dec. 31.
Electrical insulation. Owens-Corning Fiberglas Corporation. 426,582; Dec. 31.
Radio receivers, radio transmitters; television receivers and transmitters, etc. Harmon Watch Company. 426,591; Dec. 31.
Radio receiving sets. Shapleigh Hardware Company. 426,606; Dec. 31.
Radio receiving sets, loud speakers, antennae, etc. Rudolph Wurlitzer Company. 219,563; renewed Oct. 19, 1946. O. G. Dec. 31.
Wire and wire sets, Automotive ignition. F. R. Biggs. 426,590; Dec. 31.

CLASS 22

Amusement apparatus, Coin controlled. Amusematic Corporation. 426,580; Dec. 31; Serial No. 507,452; published Oct. 15, 1946.
Baits and fish lures, Fish. American Display Company. 426,550; Dec. 31; Serial No. 497,155; published Oct. 15, 1946.
Baits, Artificial fish. G. M. Galloway. 426,575; Dec. 31; Serial No. 504,348; published Oct. 15, 1946.
Baits, Artificial fish. G. M. Galloway. 426,576; Dec. 31; Serial No. 504,437; published Oct. 15, 1946.
Boat, Hand driven circulating water stream and toy. F. J. Scharkopf. 426,574; Dec. 31; Serial No. 503,761; published Oct. 15, 1946.
Card holders, Outdoor, windproof. Geisler Ganz Corp. 426,573; Dec. 31; Serial No. 503,723; published Oct. 15, 1946.
Dolls. Feb Knode Inc. 426,578; Dec. 31; Serial No. 506,036; published Oct. 15, 1946.
Dolls, Dressed. Nancy Ann Dressed Dolls. 426,526; Dec. 31; Serial No. 483,078; published July 9, 1946.
Game apparatus, Coin controlled amusement. Kruse & Connor. 426,581; Dec. 31; Serial No. 507,474; published Oct. 15, 1946.
Holster sets. Esquire Novelty Co. 426,522; Dec. 31; Serial No. 478,312; published Mar. 27, 1945.
Lures, Fish. D. D. Daughhetee. 426,579; Dec. 31; Serial No. 507,111; published Oct. 15, 1946.
Money receptacle, Children's. I. H. Shafer. 222,792; renewed Jan. 11, 1947. O. G. Dec. 31.

CLASS 23

Die-stocks. Hart Manufacturing Co. 49,311; re-renewed Jan. 30, 1947. O. G. Dec. 31.
Saws. E. C. Atkins & Company. 54,741; re-renewed June 26, 1946. O. G. Dec. 31.
Shears, Sheep and garden. Burgon & Ball Limited. 55,114; re-renewed Aug. 7, 1946. O. G. Dec. 31.
Slicing and cutting machine and parts thereof, table knives, table forks, etc., Meat. Aktiebolaget Stille-Werner. 218,663; renewed Sept. 28, 1946. O. G. Dec. 31.

CLASS 26

Films and film strips, Motion picture. Intercontinental Audio-Video Corporation. 426,595; Dec. 31.
Measuring-faucets and measuring-pumps. Enterprise Manufacturing Company of Pennsylvania. 59,604; re-renewed Jan. 15, 1947. O. G. Dec. 31.
Screens, stereopticons, and similar projecting apparatus. Raven Screen Corporation. 218,160; renewed Sept. 21, 1946. O. G. Dec. 31.
Spectacle frames and parts thereof. Visionette Optical Corporation. 426,605; Dec. 31.

CLASS 27

Watches. Sears, Roebuck and Co. 215,182; renewed July 13, 1946. O. G. Dec. 31.
Watches, watchcases, watch-dials, etc. Abraham & Straus. 58,269; re-renewed Dec. 11, 1946. O. G. Dec. 31.

CLASS 28

Jewelry. Schneider Leather Novelty Co. 426,607; Dec. 31.
Jewelry. Vargas Manufacturing Company. 426,592; Dec. 31.
Jewelry, Novelty. Richmond-Walker Manufacturing Co. 426,584; Dec. 31.

CLASS 29

Toothbrushes. Sears, Roebuck and Co. 216,962–3; renewed Aug. 24, 1946. O. G. Dec. 31.

CLASS 30

Dinnerware and china and earthenware chambers, pitchers, etc., China. Consolidated Cosmetics. 426,569; Dec. 31; Serial No. 500,605; published Oct. 8, 1946.
Pottery, earthenware, and china. Doulton & Co. Limited. 50,410–11; re-renewed Mar. 13, 1946. O. G. Dec. 31.

CLASS 33

Glassware, Table. Fostoria Glass Company. 222,459; renewed Jan. 4, 1947. O. G. Dec. 31.
Jars, Glass fruit or preserving. Ball Brothers Company. 221,780; renewed Dec. 14, 1946. O. G. Dec. 31.

CLASS 34

Burners for heating plants, Oil. D. Park. 426,608; Dec. 31.
Furnaces, Oil, coal, and gas fired hot air. Bard Manufacturing Company. 426,601; Dec. 31.

CLASS 36

Phonograph records, Grooved. Capital Records, Inc. 426,557; Dec. 31; Serial No. 498,980; published Oct. 1, 1946.
Phonograph sound records. T. B. Couper, Jr. 426,554; Dec. 31; Serial No. 497,848; published Oct. 8, 1946.

CLASS 37

Paper. Mosinee Paper Mills Company. 426,599; Dec. 31.
Paper and printing paper, Wrapping. Universal Printing Company. 426,594; Dec. 31.
Paper and stationery, Certain named articles of. Girl Scouts. 215,320; renewed July 13, 1946. O. G. Dec. 31.
Paper, Raisin-tray. Sunland Sales Cooperative Association. 222,766; renewed Jan. 11, 1947. O. G. Dec. 31.
Paper ribbons or controllers. Lanston Monotype Machine Company. 58,649; re-renewed Dec. 18, 1946. O. G. Dec. 31.
Stationery and office supplies. Elbe File & Binder Co. Inc. 426,602; Dec. 31.
Whistles and bugles. Girl Scouts. 215,321; renewed July 13, 1946. O. G. Dec. 31.

CLASS 38

Magazines, Biweekly. Porter-Bede-Langtry Corporation. 211,591; renewed Apr. 13, 1946. O. G. Dec. 31.
Magazines, Biweekly. Porter-Langtry Company. 211,592; renewed Apr. 13, 1946. O. G. Dec. 31.
Newspaper. W. R. Hearst. 57,355; re-renewed Nov. 13, 1946. O. G. Dec. 31.
Publications, Monthly. J. G. Robel. 222,006; renewed Dec. 21, 1946. O. G. Dec. 31.

CLASS 39

Blankets, neckerchiefs, handkerchiefs, etc. Girl Scouts. 215,323; renewed July 13, 1946. O. G. Dec. 31.
Blouses, Children's and misses'. Potok Corporation. 426,588; Dec. 31.
Corsets. Downer Hawes and Company, Incorporated. 52,034; re-renewed May 1, 1946. O. G. Dec. 31.
Gloves, Leather and kid. Larned Carter & Co. 59,406; re-renewed Jan. 8, 1947. O. G. Dec. 31.
Hats, Woven fiber. E. Israel. 222,999; renewed Jan. 11, 1947. O. G. Dec. 31.
Haversacks, knapsacks, luggage carriers, etc. Girl Scouts. 215,346; renewed July 13, 1946. O. G. Dec. 31.
Nets, Hair. New York Merchandise Company, Inc. 217,174; renewed Aug. 24, 1946. O. G. Dec. 31.
Outershirts. Greenebaum Brothers. 59,404; re-renewed Jan. 8, 1947. O. G. Dec. 31.
Pyjamas, nightgowns, negligees, etc. C & D Company. 221,697; renewed Dec. 7, 1946. O. G. Dec. 31.
Shirts and overalls, Work. G. W. Woodruff. 209,103; renewed Feb. 16, 1946. O. G. Dec. 31.
Shirts, Dress and negligee. Cluett, Peabody & Co., Inc. 221,696; renewed Dec. 7, 1946. O. G. Dec. 31.
Suits, coats, trousers, etc., Men's and boys'. Zurkow & Son, Incorporated. 213,443; renewed May 25, 1946. O. G. Dec. 31.

CLASS 40

Buttons, braids, needles, etc. Girl Scouts. 215,322; renewed July 13, 1946. O. G. Dec. 31.
Haversacks, knapsacks, luggage carriers, etc. Girl Scouts. 215,346; renewed July 13, 1946. O. G. Dec. 31.

CLASS 42

Blankets, neckerchiefs, handkerchiefs, etc. Girl Scouts. 215,323; renewed July 13, 1946. O. G. Dec. 31.
Cotton and rayon fabrics. J. Hall. 426,585; Dec. 31.
Cotton goods and fabrics known as "bindings." Louis Siegbert & Bro. 29,441; re-renewed Jan. 12, 1947. O. G. Dec. 31.
Cotton piece goods. Massachusetts Cotton Mills. 55,613–15; re-renewed Aug. 21, 1946. O. G. Dec. 31.
Cotton piece goods. Massachusetts Cotton Mills. 55,763; re-renewed Aug. 21, 1946. O. G. Dec. 31.
Cotton piece goods. Spartan Mills. 222,875; renewed Jan. 11, 1947. O. G. Dec. 31.
Dishcloths and sponge cloths, Knitted. Putnam Knitting Company. 223,178; renewed Jan. 18, 1946. O. G. Dec. 31.
Hair nets. New York Merchandise Company, Inc. 215,890–1; renewed July 27, 1946. O. G. Dec. 31.
Piece goods made of silk, rayon, cotton, and combinations thereof. Tilbury Fabrics, Inc. 426,603; Dec. 31.
Quilts. Chas. A. Maish Co. 59,658; re-renewed Jan. 15, 1947. O. G. Dec. 31.
Sheets, and pillowcases, Bed. Associated Merchandising Corporation. 222,859; renewed Jan. 11, 1947. O. G. Dec. 31.
Woolen and worsted piece goods. Anglo Fabrics Company. 426,593; Dec. 31.

CLASS 44

Bandages and absorbent pads or sheets for infants' diapers, Catamenial. Cellucotton Products Company. 218,683; renewed Sept. 28, 1946. O. G. Dec. 31.
Belts, Abdominal. Little Corporal Co. 211,156; renewed Apr. 6, 1946. O. G. Dec. 31.
Denture material, Methyl methacrylate. Dental Specialty Manufacturing Co., Inc. 426,600; Dec. 31.
Devices for the internal fixation of fractured femurs. Alumni Research Foundation of the College of Medical Evangelists. 426,586; Dec. 31.
Haversacks, knapsacks, luggage carriers, etc. Girl Scouts. 215,346; renewed July 13, 1946. O. G. Dec. 31.
Swabs used for the removal of nail polish. J. P. Luscri. 426,543; Dec. 31; Serial No. 495,484; published Oct. 15, 1946.

CLASS 45

Ale, root beer, orange soda, etc., Ginger. A. Scheidt Brewing Company. 426,523; Dec. 31; Serial No. 481,439; published Sept. 24, 1946.
Beverages, Nonalcoholic, maltless. Bevodel Company, The. 426,572; Dec. 31; Serial No. 502,941; published Oct. 8, 1946.
Beverages, Non-alcoholic, non-cereal, maltless. Concordade Company, Inc. 426,570; Dec. 31; Serial No. 502,122; published Oct. 8, 1946.
Beverages, Non-alcoholic, non-cereal, maltless. H. E. Kornblum. 426,571; Dec. 31; Serial No. 502,757; published Oct. 8, 1946.

CLASS 46

Apples, Fresh. Connell Bros. Company. 204,488; renewed Oct. 20, 1946. O. G. Dec. 31.
Apples, Fresh. P. A. Scurich & Sons. 426,564; Dec. 31; Serial No. 499,514; published Oct. 1, 1946.
Asparagus, Fresh. F. E. Booth Co. 222,886–7; renewed Jan. 11, 1947. O. G. Dec. 31.
Butter. H. C. Christians Co. 54,495; re-renewed June 26, 1946. O. G. Dec. 31.
Butter. H. C. Christians Co. 58,642; re-renewed Dec. 18, 1946. O. G. Dec. 31.
Butter. Zenith Butter and Egg Co. 219,938; renewed Oct. 26, 1946. O. G. Dec. 31.
Candy. Sugar Products Co. 426,520; Dec. 31; Serial No. 465,234; published Oct. 8, 1946.
Candy. P. Wunderle. 54,959; re-renewed Aug. 7, 1946. O. G. Dec. 31.
Candy, Round or oblong piece of. John F. Birkmeyer & Sons. 28,717; re-renewed Aug. 4, 1946. O. G. Dec. 31.
Canned fruits and canned vegetables. Rogue River Valley Canning Company. 217,037; renewed Aug. 24, 1946. O. G. Dec. 31.
Canned salmon. G. P. Halferty & Co. 222,242; renewed Dec. 28, 1946. O. G. Dec. 31.
Canned salmon. G. P. Halferty & Co. 222,288–9; renewed Dec. 28, 1946. O. G. Dec. 31.
Canned shrimp, canned oysters, canned vegetables. Grand Caillou Packing Co. Inc. 222,992; renewed Jan. 11, 1947. O. G. Dec. 31.
Clams, Minced. P. F. Halferty. 58,829; re-renewed Dec. 25, 1946. O. G. Dec. 31.
Coconut, Prepared. Franklin Baker Company. 204,488; renewed Oct. 26, 1946. O. G. Dec. 31.

Coconut, Prepared. Franklin Baker Company. 220,053; renewed Nov. 2, 1946. O. G. Dec. 31.
Coconut, Prepared. Franklin Baker Company. 220,084; renewed Nov. 2, 1946. O. G. Dec. 31.
Coffee. Great American Tea Co. 215,009; renewed July 6, 1946. O. G. Dec. 31.
Coffee, Green. Eppens, Smith Company. 217,941; renewed Sept. 14, 1946. O. G. Dec. 31.
Feeds for poultry. Leco Feed Mills, Inc. 426,549; Dec. 31; Serial No. 496,640; published Oct. 8, 1946.
Flour, Cake. Yo! Ho! Products Company. 217,559; renewed Sept. 7, 1946. O. G. Dec. 31.
Flour made of a mixture of wheat flour and corn flour, Self-rising. George Urban Milling Company. 222,771; renewed Jan. 11, 1947. O. G. Dec. 31.
Flour, Wheat. Concordia Milling Co. 220,675; renewed Nov. 16, 1946. O. G. Dec. 31.
Food products, Certain named. Karasik, Holleb & Co. 222,319; renewed Dec. 28, 1946. O. G. Dec. 31.
Fruit-cereal beverage or imitation coffee. L. G. Schroeder. 426,563; Dec. 31; Serial No. 499,512; published Oct. 1, 1946.
Gelatin and finishing-sizing, Vegetable. Blandola Company Limited. 56,228; re-renewed Sept. 4, 1946. O. G. Dec. 31.
Lemon juice. C. A. Kramer. 426,562; Dec. 31; Serial No. 499,498; published Oct. 1, 1946.
Meat and meat products. Clougherty Bros. 426,538; Dec. 31; Serial No. 491,232; published Oct. 8, 1946.
Oil, Pure salad. N. Goodman & Son. 215,760; renewed July 27, 1946. O. G. Dec. 31.
Papaya, Dry powdered. Wyeth Incorporated. 426,560; Dec. 31; Serial No. 499,365; published Oct. 1, 1946.
Peanut butter. F. H. Searcy. 426,561; Dec. 31; Serial No. 499,436; published Oct. 8, 1946.
Raisins. D. R. Hoak. 426,568; Dec. 31; Serial No. 500,304; published Oct. 8, 1946.
Salad oil, malt sirup, macaroni, etc. Cottonseed. J. Di Santo. 222,980; renewed Jan. 11, 1947. O. G. Dec. 31.
Salt, Table and dairy. Diamond Crystal Salt Co. 58,398; re-renewed Dec. 11, 1946. O. G. Dec. 31.
Sauce and soy sauce and wine vinegars, Garlic. L. Silliphant. 426,537; Dec. 31; Serial No. 491,173; published Oct. 8, 1946.
Table-mustard and mustard. J. & J. Colman. 28,784; re-renewed Aug. 18, 1946. O. G. Dec. 31.

CLASS 47

Wine. E. P. Franek. 426,567; Dec. 31; Serial No. 500,071; published Sept. 24, 1946.
Wine produced in Portugal, Port. Nichols Austin & Co., Incorporated. 426,545; Dec. 31; Serial No. 495,857; published Oct. 1, 1946.
Wine produced in Spain, Sherry. Nichols Austin & Co., Incorporated. 426,546; Dec. 31; Serial No. 496,119; published Oct. 1, 1946.
Wines. Kobrand Corporation. 426,566; Dec. 31; Serial No. 499,904; published Oct. 1, 1946.
Wines. Munson G. Shaw Co. 426,555; Dec. 31; Serial No. 498,365; published Sept. 24, 1946.

CLASS 49

Rum. J. O. Garcia Arcelay. 426,542; Dec. 31; Serial No. 494,769; published Oct. 1, 1946.
Whiskey. Foster & Company. 426,540; Dec. 31; Serial No. 493,673; published Oct. 1, 1946.
Whiskey, Corn. Penndale Distilling Company. 426,565; Dec. 31; Serial No. 499,729; published Oct. 8, 1946.
Whiskey, straight rye whiskey, and blended whiskey, Straight bourbon. Churchill, Limited. 426,558; Dec. 31; Serial No. 499,046; published Oct. 1, 1946.

CLASS 50

Awnings, tents, canopies, etc. Wagner Awning & Manufacturing Company. 426,553; Dec. 31; Serial No. 497,757; published Oct. 1, 1946.
Closures, Bottle. Standard Cap and Seal Corporation. 426,552; Dec. 31; Serial No. 497,346; published Oct. 1, 1946.
Hangers, Garment. M. O. Teetor. 426,541; Dec. 31; Serial No. 494,639; published Oct. 8, 1946.
Haversacks, knapsacks, luggage carriers, etc. Girl Scouts. 215,346; renewed July 13, 1946. O. G. Dec. 31.
Mats, Rubber floor. O. W. Jackson & Co., Inc. 215,296; renewed July 13, 1946. O. G. Dec. 31.
Plaques of cardboard, War record. R. B. Barry and Company. 426,535; Dec. 31; Serial No. 490,782; published Oct. 1, 1946.
Sheet material comprised of textile fabric. Bigelow-Sanford Carpet Co., Inc. 426,531; Dec. 31; Serial No. 486,936; published Oct. 1, 1946.
Statues, statuettes, artificial flowers, etc., Religious and gift. Syracuse Ornamental Co. 426,532; Dec. 31; Serial No. 487,292; published Oct. 1, 1946.
Tents. C. R. Daniels, Inc. 426,556; Dec. 31; Serial No. 498,507; published Oct. 8, 1946.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF DECEMBER, 1946

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Berg, Willie, Chicago, Ill. Unitary foldable music stand. Re. 22,826; Dec. 31.

LIST OF PLANT PATENTEES

Howard, Frederick H., assignor to Howard & Smith, Montebello, Calif. Plum tree. 721; Dec. 31.

Howard & Smith, assignee: *See*— Howard, Frederick H.

LIST OF DESIGN PATENTEES

Academy Award Products, Inc., assignee: *See*— Harwood, Wallace.

Allen, Grosvenor N., Oneida, and M. P. Fleming, Fulton, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 146,125; Dec. 31.

Bell Aircraft Corporation, assignee: *See*— Wolf, Robert A.

Bergman, Ted, Miami, Fla. Statuette or similar article. 146,126; Dec. 31.

Billups, James O., Manhattan Beach, Calif. Bottle or similar article. 146,127; Dec. 31.

Billups, James O., Manhattan Beach, Calif. Bottle or similar article. 146,128; Dec. 31.

Blackhall, Renard M., and M. Kaufman, Chicago, Ill. Paper weight or similar article. 146,129; Dec. 31.

Bronfman, Benjamin, Lynbrook, N. Y., assignor to The Cofax Corporation. Adhesive tape dispenser. 146,130; Dec. 31.

Chambers, Joseph A., Memphis, Tenn. Dispensing machine for beverages and ice cream. 146,131; Dec. 31.

Cofax Corporation, The, assignee: *See*— Bronfman, Benjamin.

Coro, Inc., assignee: *See*— Katz, Adolph.

Curran, Dona J., Hinsdale, Ill. Doll. 146,132; Dec. 31.

Fleming, Mary P.: *See*— Allen, Grosvenor N., and Fleming.

Gladen, Carl F., Bay City, Mich. Adjustable ventilator for airplanes. 146,133; Dec. 31.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Doily or similar article. 146,135; Dec. 31.

Hansen, Edwin E., Astoria, Oreg. Trundle toy. 146,136; Dec. 31.

Harrison, William H., Los Angeles, Calif. Colorimeter. 146,137; Dec. 31.

Harwood, Wallace, New York, N. Y., assignor to Academy Award Products, Inc. Pen rack or similar article. 146,138; Dec. 31.

Holmes, Ester L., assignor of one-half to J. E. Holmes, San Diego, Calif. Teapot. 146,139; Dec. 31.

Holmes, Joseph E., assignee: *See*— Holmes, Ester L.

Jacobs Bros. Co., Inc., assignee: *See*— Preble, Harry, Jr.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 146,140; Dec. 31.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 146,141; Dec. 31.

Kaufman, Maurice: *See*— Blackhall, Renard M., and Kaufman.

Kaufman, Paul, New York, N. Y. Earring or similar article. 146,142; Dec. 31.

Kaufman, Paul, New York, N. Y. Earring or similar article. 146,143; Dec. 31.

Kaufman, Paul, New York, N. Y. Earring or similar article. 146,144; Dec. 31.

Kaufman, Paul, New York, N. Y. Earring or similar article. 146,145; Dec. 31.

Kaufman, Paul, New York, N. Y. Earring or similar article. 146,146; Dec. 31.

Kent, Walter J., Williston Park, Long Island, N. Y. Money clip. 146,147; Dec. 31.

Klages, Louis G., Arlington Heights, Ill. Violin or similar article. 146,148; Dec. 31.

Le Graffe, John, Beverley Hills, Calif. Waiter's tray. 146,134; Dec. 31.

Meyer, Sidney, New York, N. Y. Textile fabric or similar article. 146,140; Dec. 31.

Milwaukee Lace Paper Company, assignee: *See*— Hamilton, Kenneth C.

Naidish, Abraham, North Bergen, N. J. Sweater or similar article. 146,150; Dec. 31.

Nemeth, Otto R., assignor to Otto R. Nemeth, Inc., Chicago, Ill. Projector. 146,151; Dec. 31.

Nemeth, Otto R., Inc., assignee: *See*— Nemeth, Otto R.

Newman, Max M., New York, N. Y. Ash tray or similar article. 146,152; Dec. 31.

Oneida Ltd., assignee: *See*— Allen, Grosvenor N., and Fleming.

Pomerantz, Herman, New York, N. Y. Buckle. 146,153; Dec. 31.

Preble, Harry, Jr., New York, assignor to The Jacobs Bros. Co., Inc., Brooklyn, N. Y. Scale. 146,154; Dec. 31.

Schatz, Nathan, St. Louis, Mo. Dress. 146,157; Dec. 31.

Schwartz, Morris, Sunnyside, N. Y. Frame for eyeglasses. 146,155; Dec. 31.

Schwartz, Morris, Sunnyside, N. Y. Cigarette dispensing device. 146,156; Dec. 31.

Snyder, Floyd, Cincinnati, assignor to Floyd Snyder Pipes Inc., Milford, Ohio. Tobacco pipe or similar article. 146,158; Dec. 31.

Snyder, Floyd, Pipes Inc., assignee: *See*— Snyder, Floyd.

Wakefield, Charlie E., Torrance, Calif. Bathtub mat. 146,159; Dec. 31.

Wolf, Robert A., Kenmore, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Helicopter. 146,161; Dec. 31.

Wolock, Morris, New York, N. Y. Shoe. 146,160; Dec. 31.

Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Airplane. 146,162; Dec. 31.

Wurlitzer, Rudolph, Company, The, assignee: *See*— Zaiser, William.

Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 146,163; Dec. 31.

Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano. 146,164; Dec. 31.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aasland, John L., Moline, Ill., assignor to International Harvester Company. Husking rolls. 2,413,279; Dec. 31.

Aberbach, Irving, New York, N. Y. Treating finger. 2,413,537; Dec. 31.

Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Nichols, Peter L., Jr., Meiss, and Yanovsky.

Aldrich Pump Company, The, assignee: *See*—
Hamilton, Samuel H., and Shelly.

Alexander, William R.: *See*—
Deal, Harmon B., Alexander, and Rankin.

Allis, Louis, Company, The, assignee: *See*—
Smith, Harold L.

Alltools, Limited, assignee: *See*—
Graves, Arnold, and Tomes.

Almes, Marion C., Cuyahoga Falls, Ohio. Reflector button sign. 2,413,538; Dec. 31.

American Cyanamid Company, assignee: *See*—
Harris, Raymond R.
Stearns, Edwin I., Jr.

American District Telegraph Company, assignee: *See*—
Evans, Francis C.

American Smelting and Refining Company, assignee: *See*—
Phillips, Albert J., Lebedeff, and Crandall.

American Steel Foundries, assignee: *See*—
Cottrell, Robert B., and Bachman.
Light, Davis M.

American Stove Company, assignee: *See*—
Morrill, Vaughan, Jr.

American Viscose Corporation, assignee: *See*—
Denyssen, Ivanhoe P.
McDermott, Henry J., and Stanley.

Anderson, Benjamin T., Long Beach, and M. T. Flaxman, Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Diesel type fuel. 2,413,482; Dec. 31.

Anderson, Eric A., New Orleans, La., dedicated to the free use of the people in the territory of the United States. Lumber grain slope-measuring instrument. 2,413,424; Dec. 31.

Anderson, John E., and C. W. Dunlap, assignors to Plibrico Jointless Firebrick Company, Chicago, Ill. Anchor extension means. 2,413,425; Dec. 31.

Animal Trap Company, assignee: *See*—
Heymann, Roy D.

Armstrong, George M., Grand Rapids, assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,413,597; Dec. 31.

Arnold, Stanfield N., Brooklyn, assignor to Foster Wheeler Corporation, New York, N. Y. Joint. 2,413,308; Dec. 31.

Ashbaugh, Bernard D.: *See*—
Youngblood, Don C., and Ashbaugh.

Ashenden, Ernest W., assignor to Wm. Bros. Boiler & Manufacturing Co., Minneapolis, Minn. Rigging for handling drums and barrels. 2,413,280; Dec. 31.

Askin, Robert W., Ismay, Mont. Hackamore bit. 2,413,426; Dec. 31.

Atlantic Coast Fisheries Company, The, assignee: *See*—
Savrda, Charles M.

Atlas Powder Company, assignee: *See*—
Pratt, Carl D., and Farr.

Auer, Laszlo, South Orange, N. J. Sulfur-treated varnish bases. 2,413,281; Dec. 31.

Aulenback, Robert L., Shrewsbury, Mass. Safety device for stamping presses. 2,413,282; Dec. 31.

Automotive maintenance Machinery Co., assignee: *See*—
Mitchell, Wallace F.

Babcock, Henry H., Oak Park, assignor to Conlon Corporation, Cicero, Ill. Ironing machine. 2,413,427; Dec. 31.

Bachman, Fred E.: *See*—
Cottrell, Robert B., and Bachman.

Bakelite Corporation, assignee: *See*—
Mazzucchelli, Arthur P.

Ballard, Kermit H., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lead connection for electrical apparatus. 2,413,539; Dec. 31.

Ballard, Seaver A., Oakland, and D. B. Winkler, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of alicyclic ketonic compounds. 2,413,598; Dec. 31.

Beck, Morris B., Lawrence, assignor to Consolidated Investing Company, New York, N. Y. Portable fluorescent lamp. 2,413,599; Dec. 31.

Becker, Frederick E., Portland, Oreg. Pipe coupler interlock. 2,413,402; Dec. 31.

Belcher, Clarence F., Bridgeton, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing chloroindanthornes. 2,413,483; Dec. 31.

Bell Aircraft Corporation, assignee: *See*—
Trotter, John C.
Wolf, Robert A., and Bowers.

Belmont Radio Corporation, assignee: *See*—
Plensler, Alexander W.

Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.

Bendix Aviation Corporation, assignee: *See*—
MacBlane, James.
Rylsky, Gregory V.

Benioff, Hugo, La Canada, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Electrical apparatus. 2,413,309; Dec. 31.

Bent, Arthur J.: *See*—
Rush, John W., and Bent.

Berg, Elaine, Chicago, Ill. Ear muff. 2,413,283; Dec. 31.

Berger, Jacques, Chicago, Ill. Test light. 2,413,484; Dec. 31.

Bergman, Raymond W., Lockport, assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Foot imprinting device. 2,413,403; Dec. 31.

Bierman, Everett C., assignor to Semagraph Company, Charlotte, N. C. Making reticles. 2,413,600; Dec. 31.

Billings, Howard J., South Acton, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Lubrication of textile fibers. 2,413,428; Dec. 31.

Bissell, Melton A., assignee: *See*—
Osterstuck, Lester M.

Bitler, William P.: *See*—
Flisik, Alvin C., Nicholl, and Bitler.

Bitzer, Gottlob, Lincoln Park, assignor to Textile Machine Works, Wyomissing, Pa. Automatically performing welting operations. 2,413,601; Dec. 31.

Black and Decker Manufacturing Company, The, assignee: *See*—
Teige, John J., and Thomas.

Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Knockdown chassis for trailers. 2,413,404; Dec. 31.

Bloch, Herman S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Recovery of hydrocarbons from a sludge. 2,413,310; Dec. 31.

Bloore, Robert B., Newcastle-under-Lyme, assignor to Swinnertons Limited, Stoke-on-Trent, England. Apparatus for trimming handles and the like for pottery goods. 2,413,540; Dec. 31.

Boeing Aircraft Company, assignee: *See*—
Ostlund, Albion L., and Christian.

Bomford, Douglas R., Pitchill, near Evesham, England. Implement or machine for hoeing. 2,413,429; Dec. 31.

Bonanno, Joseph L., Madison, N. J., assignor to Lionel Corporation, New York, N. Y. Smoke producing toy. 2,413,284; Dec. 31.

Bonard, Claude, administrator: *See*—
Dreyfus, Henry.

Bonte, Frederick R., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing steels. 2,413,602; Dec. 31.

Boone, Charles G., assignor of one-half to R. A. McIntyre, Tulsa, Okla. Automatic drainage device. 2,413,430; Dec. 31.

Bousky, Samuel, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Gyro rotor assembly. 2,413,285; Dec. 31.

Bowers, Herbert L.: *See*—
Wolf, Robert A., and Bowers.

Brady, Hugh D., Phoenix, Ariz. Plastic bracelet. 2,413,541; Dec. 31.

Brewer, Alfred G.: *See*—
Scrivener, William C., and Brewer.

Briggs, Southwick W., Washington, D. C. Filter unit and making same. 2,413,431; Dec. 31.

Brown, George H., assignee, et al.: *See*—
Walts, Fred B.

Brown Instrument Company, The, assignee: *See*—
Side, Frederick W.

Brown, Rush G., Riverton, Wyo. Reciprocating-saw machine. 2,413,485; Dec. 31.

Brush Development Company, The, assignee: *See*—
Massa, Frank.

Buchele, William, Toledo, Ohio. Lens. 2,413,286; Dec. 31.

Budd Company, The, assignee: *See*—
Eksergian, Carolus L.

Bush, Rankin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid operable control device. 2,413,287; Dec. 31.

Butts, Richard R., Miamisburg, assignor to F. B. Yingling, Hamilton, Ohio. Pressure fluid driven tool. 2,413,542; Dec. 31.

Cahill, Arthur T., Weehawken, N. J. Picture projection apparatus for stills and for moving pictures. 2,413,288; Dec. 31.

Campbell, Frank L.: *See*—
Fernelius, Willis C., and Campbell.

Campbell, Frank L., Rockville, Md., and W. C. Fernelius, Dayton, Ohio. Fumigant. 2,413,405; Dec. 31.

Carlson, Werdell L., Princeton, N. J., assignor to Radio Corporation of America. Reduction of selective fading distortion. 2,413,543; Dec. 31.

Carpenter, Richard M., assignor to Flexible Steel Lacing Company, Chicago, Ill. Cutting tool. 2,413,544; Dec. 31.

Carrier Corporation, assignee: *See*—
Schulz, Edward L.

Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Rubber derivative products. 2,413,432; Dec. 31.

Carter, Clarence F., Danville, Ill. Jacking attachment for front wheels. 2,413,289; Dec. 31.

Carter, Clarence F., Danville, Ill. Jacking attachment for rear wheels. 2,413,290; Dec. 31.

Case, J. I., Company, assignee: *See*—
Russell, Stanley D.

Chapin, Charles H., Chicago, Ill. Spring suspension. 2,413,291; Dec. 31.

Charis Corporation, assignee: *See*—
Ibsen, Hulda M.

Christensen, Alfred C., Chicago, assignor to H. S. Simpson, Evanston, Ill. Mixer. 2,413,603; Dec. 31.

Christensen, Niels C., assignor to Combined Metals Reduction Company, Salt Lake City, Utah. Recovery and decomposition of $MgCl_2$. 2,413,292; Dec. 31.

Christian, John C., Jr.: *See*—
Ostlund, Albion L., and Christian.

Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Lubricant and preparing same. 2,413,311; Dec. 31.

Cohen, Maurice M., assignee: *See*—
Orner, Harry.

Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Evaporating metals. 2,413,604; Dec. 31.

Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Evaporating metals. 2,413,605; Dec. 31.

Colbert, William H., and A. R. Weinrich, Brackenridge, Pa., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating by evaporating metals. 2,413,606; Dec. 31.

Colburn, Richard R., Waterloo, Iowa. Aggregate measurer and feeder. 2,413,293; Dec. 31.

Cole, Robert M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Catalytic finishing of gasolines. 2,413,312; Dec. 31.

Combined Metals Reduction Company, assignee: *See*—
Christensen, Niels C.

Conlon Corporation, assignee: *See*—
Babcock, Henry H.

Consolidated Engineering Corporation, assignee: *See*—
Washburn, Harold W.

Consolidated Investing Company, assignee: *See*—
Beck, Morris B.

Continental Can Company, Inc., assignee: *See*—
Hatch, Alexander G.
O'Brien, Frank J.

Continental Machines, Inc., assignee: *See*—
Firth, Charles V.

Continental Turpentine & Rosin Corporation, assignee: *See*—
Kressman, Frederick W and F. W., Jr.

Control Instrument Company, Inc., assignee: *See*—
Libman, Earl E.

Cook, John A., San Francisco, Calif. Collapsible salvage pontoon. 2,413,313; Dec. 31.

Cordi, Leander L., Redding, Calif. Novelty squawk-type shoe. 2,413,545; Dec. 31.

Cottrell, C. B., & Sons Company, assignee: *See*—
Evers, Arthur J.

Cottrell, Robert B., and F. E. Bachman, assignors to American Steel Foundries, Chicago, Ill. Truck. 2,413,433; Dec. 31.

Cottrell, William P., Los Angeles, Calif. Burner gun. 2,413,434; Dec. 31.

Courtaulds Limited, assignee: *See*—
Greenlees, Raymond C.

Courter, Leo A., Seminole, Okla., assignor to The Dow Chemical Company, Midland, Mich. Determining permeability of earth formations penetrated by well bores. 2,413,435; Dec. 31.

Coventry Gauge & Tool Company Limited, assignee: *See*—
Walnwright, John E., and Jellis.

Craig, W. E.: *See*—
Hester, William F., and Craig.

Crandall, James R.: *See*—
Phillips, Albert J., Lebedeff, and Crandall.

Crown Cork & Seal Company, Inc., assignee: *See*—
Kesler, William C., and Ryan.

Crown Zellerbach Corporation, assignee: *See*—
Swift, Frank H.

Cruzan, Charles G., U. S. Navy. Computing device. 2,413,314; Dec. 31.

Curtis, David, Bronx, N. Y. Cementitious preparations. 2,413,294; Dec. 31.

Curtis Pump Company, assignee: *See*—
Curtis, Russell R., and Gates.

Curtis, Russell R., and R. L. Gates, assignors to Curtis Pump Company, Dayton, Ohio. Pump and motor assembly. 2,413,546; Dec. 31.

Darragh, John K., Milwaukee, and H. E. Rue, Wauwatosa, Wis., assignors to Pabst Brewing Company, Chicago, Ill. Combined bottle carrier and carton. 2,413,315; Dec. 31.

Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,413,295; Dec. 31.

Davidson, Cyril D., Washington, Pa. Die. 2,413,547; Dec. 31.

Dawson, Orlie W., Ferndale, Mich. Grinding machine. 2,413,436; Dec. 31.

Deal, Harmon B., Bloomington, Ind., W. R. Alexander, Upper Montclair, N. J., and J. A. Rankin, Park Ridge, Ill. Receiver system. 2,413,296; Dec. 31.

Deckert, Harold B., Inez, Tex. Pipe holder. 2,413,297; Dec. 31.

Del Giudice, Victor J., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Manufacturing metal clips or links. 2,413,548; Dec. 31.

Demb, Kenneth, Salem, and M. L. Hayes, Beverly, assignors to Sylvania Electric Products Inc., Salem, Mass. Method and apparatus for coating fluorescent lamps. 2,413,437; Dec. 31.

Denyssen, Ivanhoe P., Lansdowne, Pa., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for detecting irregularities of filaments, yarns, and the like. 2,413,486; Dec. 31.

De Tar, Donald R., Stratford, Conn., assignor to General Electric Company. Ultra high frequency switch. 2,413,298; Dec. 31.

Detroit Lubricator Company, assignee: *See*—
Russel, Philip S.

Deyrup, Alden J., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vitreous composition. 2,413,549; Dec. 31.

Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time-delay network. 2,413,607; Dec. 31.

Di Toro, Michael J., Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time delay network. 2,413,608; Dec. 31.

Dockry, John A., Painesville, Ohio. Bud shield. 2,413,487; Dec. 31.

Donelson, William W., assignor to The Federal Flooring Corporation, Boston, Mass. Sparkproof flooring and the like. 2,413,610; Dec. 31.

Dooling, Harris F., Culver City, Calif. Thread cutter. 2,413,406; Dec. 31.

Doose, Gabriel H. W., New Orleans, La. Reversible nozzle for shipping containers. 2,413,438; Dec. 31.

Douglas Aircraft Company, Inc., assignee: *See*—
Rechton, George D., and Watson.

Dow Chemical Company, The, assignee: *See*—
Courter, Leo A.

Draeger, Lloyd H., assignor to The T. L. Smith Company, Milwaukee, Wis. Water injection system for truck type concrete mixers. 2,413,488; Dec. 31.

Draffin, Arthur R., Camberwell, Melbourne, Victoria, Australia. Electric water heater of the storage type. 2,413,611; Dec. 31.

Drake, Geo. ge F., assignor to Woodward Governor Company, Rockford, Ill. Pitch control mechanism. 2,413,439; Dec. 31.

Dreyfus, Henry, deceased, London, England; C. Bonard, administrator. Cracking hydrocarbons in the presence of a dilnent gas. 2,413,407; Dec. 31.

Dubay, William A., Cleveland, Ohio. Game. 2,413,550; Dec. 31.

Ducker, Andrew J., Petaluma, Calif. Tool lifting and lowering device. 2,413,299; Dec. 31.

Duda, Wentzel R., Mount Lebanon, Pa. Roll lathe. 2,413,489; Dec. 31.

Dunlap, Charles W.: *See*—
Anderson, John E., and Dunlap.

Dunn, Charles G., Fort Leavenworth, Kans., and W. J. Tellington, West Point, N. Y. Position tracking, transmitting, and recording. 2,413,300; Dec. 31.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Ballard, Kermit H.
Belcher, Clarence F.
Deyrup, Alden J.
Green, Howard D., and Taylor.
Harris, Charles R.
Hill, Julian W.
Krister, Charles J., Sedusky, and Thompson.
Lee, Henry R., and Howell.
McAdam, Robert M.
Perkins, Melvin A., and Johnson.
Schweitzer, Carl E.
Verbanc, John J.

Eastman Kodak Company: *See*—
Wood, Donald L.

Eckey, Eddy W., Wyoming, Ohio, and J. E. Taylor, Louisville, Ky., assignors to The Procter & Gamble Company, Ivorydale, Ohio. High molecular polyhydric alcohols. 2,413,412; Dec. 31.

Eckey, Eddy W., Wyoming, Ohio, and J. E. Taylor, Boonton, N. J., assignors to The Procter & Gamble Company, Ivorydale, Ohio. High molecular polyhydric esters. 2,413,613; Dec. 31.

Edwards, William E., Jr.: *See*—
Maxwell, Homer B., and Edwards.

Eksergian, Carolus L., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Brake mechanism. 2,413,614; Dec. 31.

Ellis, Arthur L., Deep River, Conn., assignor, by mesne assignments, to Vickers Incorporated, Detroit, Mich. Power transmission. 2,413,301; Dec. 31.

Ellis-Foster Company, assignee, et al.: *See*—
Rust, John B., and MacKenzie.

Englund, Leonard H., assignor to James H. Rhodes & Company, Chicago, Ill. Spongiform plastic abrasive pad and making it. 2,413,551; Dec. 31.

Ethridge, John H., assignor of one-half to V. Zitz, Seattle, Wash. Fish cage. 2,413,552; Dec. 31.

Evans, Francis C., Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Fixed temperature responsive device. 2,413,490; Dec. 31.

Evers, Arthur J., Brooklyn, N. Y., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet cutting and creasing press. 2,413,553; Dec. 31.

Evers, Arthur J., Brooklyn, N. Y., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet cutting and creasing press. 2,413,554; Dec. 31.

Fajans, Edgar, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Coated hygroscopic salts. 2,413,491; Dec. 31.

Farr, James A.: *See*—
Pratt, Carl D., and Farr.

Farrell, John D., assignor to The Foote Company, Inc., Nunda, N. Y. Brace structure. 2,413,302; Dec. 31.

Farrington, John F., Tilton, N. H., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Electronic switch. 2,413,440; Dec. 31.

Faust, John A.: *See*—
Sahyun, Melville, and Faust.

Federal Aircraft Engine Corporation, assignee: *See*—
Toce, Charles A. and V. J.

Federal Flooring Corporation, The, assignee: *See*—
Donelson, William W.

Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Vitreous and vitrifiable compositions of matter, and making the same. 2,413,441; Dec. 31.

Fernelius, Willis C.: *See*—
Campbell, Frank L., and Fernelius.

Fernelius, Willis C., Dayton, Ohio, and F. L. Campbell, Rockville, Md. Fumigant and fumigating. 2,413,408; Dec. 31.

Firth, Charles V., assignor to Continental Machines, Inc., Minneapolis, Minn. Producing iron oxide and for production of powdered iron. 2,413,492; Dec. 31.

Fitchett, Thomas S., Baltimore County, and H. B. Greenwood, Baltimore, Md., and W. G. Shackelford, Parkersburg, W. Va., assignors to F. X. Hooper Company, Inc., Glenarm, Md. Steam shower for corrugators. 2,413,409; Dec. 31.

Flaxman, Marcellus T.: *See*—
Anderson, Benjamin T., and Flaxman.

Flexible Steel Lacing Company, assignee: *See*—
Carpenter, Richard M.

Flisik, Alvin C., Haverstraw, L. Nicholl, Nyack, and W. P. Bitler, Haverstraw, assignors to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Synthesis of isomer-free benzyl acetoacetic methyl ester. 2,413,493; Dec. 31.

Flurscheim, Cedric H., Bowdon, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Electric circuit interrupter. 2,413,555; Dec. 31.

Folkman, Marvin L., Shaker Heights, Ohio. Syringe. 2,413,303; Dec. 31.

Foote Company, Inc., The, assignee: *See*—
Farrell, John D.

Forster, Lawrence H., assignee: *See*—
Strother, Charles B.

Fortney, Marion F., Charleston, W. Va. Shoe sterilizer. 2,413,494; Dec. 31.

Foster Wheeler Corporation, assignee: *See*—
Arnold, Stanfield N.

Found, Clifton G., Cleveland Heights, Ohio, assignor to General Electric Company. Electrode activation. 2,413,442; Dec. 31.

Fourness, Charles A., Appleton, and K. J. Harwood, Neenah, Wis., assignors to International Cellucotton Products Company. Packaging cellulosic pads. 2,413,556; Dec. 31.

Fox, Sidney W., Ann Arbor, assignor to The Upjohn Company, Kalamazoo, Mich. Nicotinic acid processes. 2,413,615; Dec. 31.

Franck, Kurt: *See*—
Tuck, Davis H., Franck, and Quack.

Frankel, Leo, Chicago, Ill. Camera. 2,413,443; Dec. 31.

Freelander, Julius, Kansas City, Mo. Window screen catch. 2,413,444; Dec. 31.

Freeman, Robert M., U. S. Navy. Rotary belt loading machine. 2,413,316; Dec. 31.

Freeman, Walter B., Cuyahoga Falls, and R. E. Lindemann, Barberton, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire building form. 2,413,445; Dec. 31.

Freundlich, Albert, New York, N. Y., assignor to Spiral Binding Company, Inc. Loose-leaf binder. 2,413,616; Dec. 31.

Frieder, Leonard P.: *See*—
Johnsen, Bjornulf.

Frost, Amy L., executor, et al.: *See*—
Frost, Frank R.

Frost, Frank R., deceased; A. L. Frost, E. F. Potter, and The Union Trust Company of Pittsburgh, executors; said F. R. Frost assignor to Superior Steel Corporation, Pittsburgh, Pa. Making bimetallic products. 2,413,317; Dec. 31.

Fry, Benjamin W., University City, assignor to National Vendors, Inc., St. Louis, Mo. Vending machine. 2,413,304; Dec. 31.

Gates, Richard L.: *See*—
Curtis, Russell R., and Gates.

Gear, Bruce A., Los Angeles, Calif. Sock stretcher. 2,413,305; Dec. 31.

General Electric Company, assignee: *See*—
De Tar, Donald R.
Found, Clifton G.
Groot, Robert W.
Hermann, Benjamin R.
Hewlett, Clarence W.

General Motors Corporation, assignee: *See*—
Ratajczak, Francis I.

Gershman, David, New York, N. Y. Attaching ribs to umbrella covers. 2,413,617; Dec. 17.

Gibson, George A., Jr., New York, N. Y. Toothbrush holder. 2,413,306; Dec. 31.

Gifford, Arthur D., Milford, Calif. Flower holder. 2,413,307; Dec. 31.

Gilfillan, John T., Jr., Kenosha, Wis. Translating mechanism for printing telegraph. 2,413,557; Dec. 31.

Gilman, Wayne H., Oak Park, assignor to Permoflux Corporation, Chicago, Ill. Communications equipment. 2,413,345; Dec. 31.

Given, Charles P., Washington, D. C., assignor to Virginia-Carolina Chemical Corporation, Richmond, Va. Phosphoric acid detergent composition. 2,413,495; Dec. 31.

Glassner, Mitchel, assignor to Maryland Baking Company, Baltimore, Md. Cone jacket transfer mechanism. 2,413,446; Dec. 31.

Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Sectional parabolic antenna system. 2,413,558; Dec. 31.

Golfieri, Amelia, New York, N. Y. Lady's scarf. 2,413,318; Dec. 31.

Golfieri, Amelia, New York, N. Y. Scarf-capuchin. 2,413,319; Dec. 31.

Goodrich, B. F., Company, The, assignee: *See*—
Freeman, Walter B., and Lindemann.
Sears, William C.

Goulds Pumps, Inc., assignee: *See*—
Mann, John.

Graves, Arnold, Surbiton, and G. A. R. Tomes, West Wickham; said Tomes assignor to Alltools, Limited, Brentford, England. Thermocouple. 2,413,618; Dec. 31.

Green, Howard D., Pasadena, and D. S. Taylor, Monrovia, Calif., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl cyanide. 2,413,496; Dec. 31.

Green, Vernon L.: *See*—
Nystrom, Karl F., and Green.

Greene, Raymond J., Sebring, Ohio. Radiant oven and broiler burner. 2,413,447; Dec. 31.

Greenlees, Raymond C., Coventry, assignor to Courtaulds Limited, London, England. Dyeing of films possessing low water imbibition. 2,413,559; Dec. 31.

Greenwood, Henry B.: *See*—
Fitchett, Thomas S., Greenwood, and Shackelford.

Griffin, Ira L., D. E. Trusx, and N. H. Nuttall, Charlotte, N. C., assignors to Stein, Hall and Company, Inc., New York, N. Y. Film forming emulsions. 2,413,320; Dec. 31.

Grinnell, Willis H., Newton Center, Mass. Machine for grinding orthodontic models. 2,413,619; Dec. 31.

Groot, Robert W., Fort Wayne, Ind., assignor to General Electric Company. Brush rigging. 2,413,560; Dec. 31.

Guanella, Gustav, Zurich, Switzerland, assignor, by mesne assignments, to Patents Research Corporation, New York, N. Y. Direction finding system. 2,413,620; Dec. 31.

Guest, Keen & Nettlefolds, Limited, assignee: *See*—
Whitcombe, Christopher J.

Gulf Oil Corporation, assignee: *See*—
Hunter, Benjamin F., and Hobart.

Hall, Elisha W., Scituate, Mass. Rotary disk abrading tool. 2,413,346; Dec. 31.

Hamilton, Samuel H., Philadelphia, and L. W. Shelly, assignors to The Aldrich Pump Company, Allentown, Pa. Piston construction. 2,413,347; Dec. 31.

Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America. Signaling system. 2,413,348; Dec. 31.

Hammond, John H., Jr., Gloucester, Mass., assignor to Radio Corporation of America, New York, N. Y. Radio controlled rocket. 2,413,621; Dec. 31.

Hancock, David, Jr., and H. E. Meinema, Chicago, Ill. Camera for aerial photography. 2,413,349; Dec. 31.

Hanna, William T., Cincinnati, Ohio. Stoker conveyer. 2,413,448; Dec. 31.

Hansen, Lloyd D., Fanwood, F. E. Harris, Nutley, A. S. Hegeman, Jr., Glen Ridge, and H. N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Contact fixture. 2,413,410; Dec. 31.

Harding, John, Jr., Dallas, Tex. Electrically operated valve. 2,413,622; Dec. 31.

Harris, Charles R., Lockport, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of vinyl cyanide. 2,413,623; Dec. 31.

Harris, Fred E.: *See*—
Hansen, Lloyd D., Harris, Hegeman, and Snook.

Harris, Raymond R., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Hardenable urea-aldehyde resins. 2,413,624; Dec. 31.

Harwood, Kenneth J.: *See*—
Fourness, Charles A., and Harwood.

Hatch, Alexander G., Rutland, Vt., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Making sealed fiber containers and closures therefor. 2,413,449; Dec. 31.

Hayes, Malcolm L.: *See*—
Demb, Kenneth, and Hayes.

Hays, Russell R., Lawrence, Kans. Control means for helicopters. 2,413,625; Dec. 31.

Haywood, Gerald, Westernport, Md., and W. M. Welton, Piedmont, W. Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Producing alkaline earth metal sulfites and product thereof. 2,413,321; Dec. 31.

Hazeltine Research, Inc., assignee: *See*—
Di Toro, Michael J.
Farrington, John F.
Johnson, John K.
Loughlin, Bernard D.
Wheeler, Harold A.
Wilson, John C.

Heddon's, James, Sons, assignee: *See*—
Willman, Walter.

Hedges, Edward G., Newark, N. J. Cleaner for beer dispensing systems. 2,413,626; Dec. 31.

Hegeman, Andrew S., Jr.: *See*—
Hansen, Lloyd D., Harris, Hegeman, and Snook.

Hehr, Frederick G., Santa Monica, Calif. Portable excavating and ejecting machine. 2,413,561; Dec. 31.

Helmore, William, Cambridge, England. Air intake pipe for motor watercraft. 2,413,350; Dec. 31.

Henderson, Albert, Edgewood, assignor to W. P. Witherow, Pittsburgh, Pa. Precast concrete members. 2,413,562; Dec. 31.

Hercules Powder Company, assignee: *See*—
Ott, Emil.

Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Electric circuit interupter and disconnecting device. 2,413,563; Dec. 31.

Herrick, Lloyd D., Jackson County, Mo. Leg exerciser. 2,413,351; Dec. 31.

Hertzberg, H., & Son Inc., assignee: *See*—
Hertzberg, Ira.

Hertzberg, Ira, Yonkers, assignor to H. Hertzberg & Son Inc., New York, N. Y. Holder for mops and other devices. 2,413,564; Dec. 31.

Hester, William F., Drexel Hill, and W. E. Craig, Philadelphia, Pa., assignors to Röhm & Haas Company. Parasiticidal compositions. 2,413,627; Dec. 31.

Hewitt, Roland S., Osawatomie, Kans. Telegraph system. 2,413,322; Dec. 31.

Hewlett, Clarence W., Marblehead, Mass., assignor to General Electric Company. Vapor pressure measurement. 2,413,565; Dec. 31.

Heymann, Roy D., New Hartford, Conn., assignor, by mesne assignments, to Animal Trap Company of America, Lititz, Pa. Form for use in building self-sealing containers for gasoline, etc. 2,413,497; Dec. 31.

Hill, Julian W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Molding process. 2,413,498; Dec. 31.

Hills, George S., New Rochelle, N. Y. Collapsible container for pastes. 2,413,323; Dec. 31.

Hinds, Reinhard P. H., Petts Wood, England. Portable electric hand lamp such as inspection lamp. 2,413,628; Dec. 31.

Hirshstein, M. J., trustee, assignee, et al.: *See*—
Pomeroy, Roy J.

Hirshstein, Mildred, assignee, et al.: *See*—
Pomeroy, Roy J.

Hobart, Harold P.: *See*—
Hunter, Benjamin F., and Hobart.

Hoeber, Barbara O. W., executor: *See*—
Hoeber, Harold.

Hoeber, Harold, deceased, New Bedford, Mass., B. O. W. Hoeber and W. T. Read, executors, assignors to Textile Research Co. Shuttle propelling mechanism. 2,413,629; Dec. 31.

Hohwart, Ernest F., Detroit, and G. Hohwart, Orchard Lake, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich. Ring gauge. 2,413,566; Dec. 31.

Hohwart, George: *See*—
Hohwart, Ernest F. and G.

Hollup Corporation, assignee: *See*—
Palmer, Walter E.

Holophane Company, Inc., assignee: *See*—
Tuck, Davis H., Franck, and Quack.

Holzwarth Gas Turbine Co., assignee: *See*—
Holzwarth, Hans T.

Holzwarth, Hans T., Woodmere, N. Y., assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Gas purifying apparatus. 2,413,324; Dec. 31.

Hooe, John M.: *See*—
Volgenau, Robert H., and Hooe.

Hooper, F. X., Company, Inc., assignee: *See*—
Fitchett, Thomas S., Greenwood, and Shackelford.

Hoover Company, The, assignee: *See*—
Smellie, Donald G.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Drier drum having heat-exchange fluid supply and removal means. 2,413,567; Dec. 31.

Horton, Stephen V., Lake Forest, Ill., assignor to S. V. H. Corporation. Hair remover. 2,413,325; Dec. 31.

Howell, Edward T.: *See*—
Lee, Henry R., and Howell.

Hulsberg, Herbert A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Flowmeter. 2,413,352; Dec. 31.

Hulton, Charles S., assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Unit dust collector. 2,413,499; Dec. 31.

Hummel, Fred E., assignor to Hummel-Ross Fibre Corporation, Hopewell, Va. Laminated structure. 2,413,500; Dec. 31.

Hummel-Ross Fibre Corporation, assignee: *See*—
Hummel, Fred E.

Hunter, Benjamin F., and H. P. Hobart, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Cutting oil composition. 2,413,353; Dec. 31.

Huppert, Oskar, New York, N. Y. Artificial fibers from globular and fibrous proteins. 2,413,501; Dec. 31.

Hurley, Albert B., Huntington, N. Y. Vibratile board for acoustic treatments. 2,413,568; Dec. 31.

Husek, Helen P., Allston, Mass., assignor to Polaroid Corporation. Producing iodine images. 2,413,630; Dec. 31.

Hydraulic Development Corp., Inc., assignee: *See*—
Youngblood, Don C., and Ashbaugh.

Ihsen, Hulda M., Allentown, Pa., assignor to Charis Corporation. Foundation garment. 2,413,502; Dec. 31.

Imperial Chemical Industries Limited, assignee: *See*—
Fajans, Edgar.

Industrial Patents Corporation, assignee: *See*—
Ingle, James D.

Ingersoll Milling Machine Company, The, assignee: *See*—
Kaiser, Karl B.

Ingle, James D., assignor to Industrial Patents Corporation, Chicago, Ill. Whitening eggs. 2,413,631; Dec. 31.

International Cellucotton Products Company, assignee: *See*—
Fourness, Charles A., and Harwood.

International Harvester Company, assignee: *See*—
Aasland, John L.
Johnson, Arnold E. W.
Raney, Russell R.

Isakson, Stig, assignor of one-half to G. W. Schumacher, Portland, Oreg. Scaffolding device. 2,413,569; Dec. 31.

Jack & Heintz Precision Industries Inc., assignee: *See*—
Bousky, Samuel.

Jackson, Corwill, Ludington, Mich. Concrete placement apparatus. 2,413,632; Dec. 31.

Jacobs Manufacturing Company, The, assignee: *See*—
Stoner, Arthur M.

Jeffrey Manufacturing Company, The, assignee: *See*—
Levin, Nils D.

Jellis, Morgan: *See*—
Wainwright, John E.

Jenney, John A., Flushing, N. Y. Dermatome. 2,413,354; Dec. 31.

Johnsen, Bjornulf, Summit, N. J., assignor to L. P. Frieder, New York, N. Y. Releasing device. 2,413,450; Dec. 31.

Johnson, Arnold E. W., Oak Park, Ill., assignor to International Harvester Company. Agricultural tractor. 2,413,355; Dec. 31.

Johnson, John K., Deerfield, assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Ultra high frequency tuning unit. 2,413,451; Dec. 31.

Johnson, Paul R.: *See*—
Perkins, Melvin A., and Johnson.

Jones, Clifton M., New York, N. Y. Artificial landscape. 2,413,633; Dec. 31.

Joy Manufacturing Company, assignee: *See*—
Simmons, Leon E.
Simmons, Leon E., and Vanderzee.

Kaiser, Karl B., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Cutter. 2,413,452; Dec. 31.

Katz, Donald L., Ann Arbor, Mich., assignor to Phillips Petroleum Company. Absorption process. 2,413,503; Dec. 31.

Kay-Fries Chemical, Inc., assignee: *See*—
Flisik, Alvin C., Nicholl, and Bitler.

Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,413,356; Dec. 31.

Kemmerling, George T., St. Paul, Minn. Piston rod packing retainer ring. 2,413,504; Dec. 31.

Kesler, William C., and V. A. Ryan, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure. 2,413,453; Dec. 31.

Kidwell, Ival E., Los Angeles, Calif. Vending machine. 2,413,454; Dec. 31.

Kiefer, Walter J., Belvidere, Ill. Seat support. 2,413,455; Dec. 31.

Kilduff, John W., Amesbury, and R. G. Maurette, Beverly, assignors to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 2,413,505; Dec. 31.

Kirk & Blum Manufacturing Company, The, assignee: *See*—
Hulton, Charles S.

Kirschman, H. Darwin, assignee: *See*—
Pomeroy, Richard D.

Klein, Victor G., assignor to Lincoln Engineering Company, St. Louis, Mo. Reciprocating mechanism. 2,413,357; Dec. 31.

Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Signature gathering machine. 2,413,358; Dec. 31.

Klumb, Stanley G., Milwaukee, Wis. Electric fence. 2,413,506; Dec. 31.

Kolarik, John, Brooklyn, N. Y. Caliper brace. 2,413,634; Dec. 31.

Kressman, Frederick W. and F. W., Jr., assignors of one-half to Continental Turpentine & Rosin Corporation, Inc., Laurel, Miss. Resinous material and preparing the same. 2,413,326; Dec. 31.

Krister, Charles J., Wilmington, Del., and H. J. Sedusky and G. L. Thompson, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol composition. 2,413,570; Dec. 31.

Kroll, William J., Niagara Falls, N. Y. Producing iron powder. 2,413,411; Dec. 31.

Krone, Howard C., River Edge, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Self-sealing valved coupling. 2,413,571; Dec. 31.

Landis & Gyr, A-G., assignee: *See*—
Weber, Ernst.

Larison Compensating Axle Corporation, assignee: *See*—
Larison, Glenn L.

Larison, Glenn L., asignor to Larison Compensating Axle Corporation, La Grande, Oreg. Vehicle equalizing suspension. 2,413,572; Dec. 31.

Larkin, Cordelia E. O., St. Petersburg, Fla. Shampoo cape. 2,413,456; Dec. 31.

Latendorf Conveying Corporation, assignee: *See*—
Stadelman, Frank.

Leavitt, David D., Boston, Mass. Folding crib. 2,413,457; Dec. 31.

Lebedeff, Yurri E.: *See*—
Phillips, Albert J., Lebedeff, and Crandall.

Lee, Henry R., Pitman, N. J., and E. T. Howell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of dibenzanthronyls. 2,413,507; Dec. 31.

Lee, John G., Farmington, Conn. Bomb rack. 2,413,635; Dec. 31.

Leschen, A., & Sons Rope Company, assignee: *See*—
Mitchell, Irvin R.

Leverte, Robert J., Brooklyn, assignor to S. C. Miller, New York, N. Y. Automatic cutout for neon sign or like circuits. 2,413,327; Dec. 31.

Levin, Nils D., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Mining loading machine. 2,413,508; Dec. 31.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Colbert, William W., and Weinrich.
Putnam, Erle T.

Libman, Earl E., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Fire control system. 2,413,573; Dec. 31.

Lieberherr, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Combustion chamber for internal-combustion engines. 2,413,359; Dec. 31.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,413,458; Dec. 31.

Lincoln Engineering Company, assignee: *See*—
Klein, Victor G.

Lindemann, Robert E.: *See*—
Freeman, Walter B., and Lindemann.

Lionel Corporation, assignee: *See*—
Bonanno, Joseph L.

Lobdell Company, assignee: *See*—
Pieper, Oliver T.

Lockwood, Edwin J.: *See*—
Maguire, Walter R., and Lockwood.

Long, James M., Henderson, Nev. Compressor unit. 2,413,636; Dec. 31.

Lord, Coyne G., Wilmington, Del. Liquid separator tank having means for drawing a vacuum on the tank and having discharge mechanisms for causing a flow of liquid thereto from the separator tank. 2,413,509; Dec. 31.

Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Direction indicating device. 2,413,637; Dec. 31.

Luce, Richard W., Southport, Conn. Fastener. 2,413,510; Dec. 31.

Lucia, Louis V., West Hartford, Conn. Cutting machine. 2,413,511; Dec. 31.

Lumbard, Henry G., assignee: *See*—
Watson, Carlisle V.

Lynch, E. P., Inc., assignee: *See*—
Lynch, John R.

Lynch, John R., Providence, R. I., assignor to E. P. Lynch, Inc. Luminous material. 2,413,459; Dec. 31.

Lyon, George A., Allenhurst, N. J. Wheel structure. 2,413,328; Dec. 31.

Lyon, George A., Allenhurst, N. J. Making wheel trim. 2,413,329; Dec. 31.

MacBlane, James, Elmira Heights, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Wire or strip feeding mechanism for punch presses. 2,413,638; Dec. 31.

MacKenzie, Charles A.: *See*—
Rust, John B., and MacKenzie.

Maguire, Walter, Company, Inc., assignee: *See*—
Maguire, Walter R., and Lockwood.

Maguire, Walter R., Manhasset, and E. J. Lockwood, Peekskill, assignors to Walter Maguire Company, Inc., New York, N. Y. Heat exchanger. 2,413,360; Dec. 31.

Main, David W., Detroit, Mich. Airplane. 2,413,460; Dec. 31.

Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pump. 2,413,461; Dec. 31.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Moore, George E., and Miller.

Marinsky, Davis, assignee: *See*—
Morin, Louis H.

Martin, Harry M., assignor to Martin Laboratories, Inc., New York, N. Y. Manufacture of thio-acids and derivatives. 2,413,361; Dec. 31.

Martin Laboratories, Inc., assignee: *See*—
Martin, Harry M.

Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Assembling containers. 2,413,639; Dec. 31.

Maryland Baking Company, assignee: *See*—
Glassner, Mitchel.

Massa, Frank, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Transducer. 2,413,462; Dec. 31.

Maurette, René G.: *See*—
Kilduff, John W., and Maurette.

Maxwell & Hitchcock, assignee: *See*—
Maxwell, Homer B., and Edwards.

Maxwell, Homer B., East Point, and W. E. Edwards, Jr., Avondale Estates, assignors to Maxwell & Hitchcock, Atlanta, Ga. Metallic clip for connecting and reinforcing joints in wood structures. 2,413,362; Dec. 31.

Mazzucchelli, Arthur P., Bloomfield, N. J., assignor to Bakelite Corporation. Oil-modified resin composition. 2,413,412; Dec. 31.

McAdam, Robert M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of stable titanium solutions. 2,413,640; Dec. 31.

McAdam, Robert M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of stable titanium solutions. 2,413,641; Dec. 31.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products, Inc., Salem, Mass. Thermal relay for fluorescent lamps. 2,413,363; Dec. 31.

McCarthy, Henry J., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Ultra high frequency oscillator. 2,413,364; Dec. 31.

McCoy, Lowell R., Detroit, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning composition for aluminum and aluminum alloys. 2,413,365; Dec. 31.

McDermott, Henry J., Prospect Park, and R. W. Stanley, Drexel Hill, Pa., assignors to American Viscose Corporation, Wilmington, Del. Device for liquid treatment of filamentary material. 2,413,413; Dec. 31.

McGill Manufacturing Company, Inc., assignee: *See*—
Popp, Rudolf.

McIntyre, Royal A., assignee: *See*—
Boone, Charles G.

Mechiana Products Corporation, assignee: *See*—
Nygren, Carl.

Meinema, Herbert E.: *See*—
Hancock, David, Jr., and Meinema.

Meiss, Philip E.: *See*—
Nichols, Peter L., Jr., Meiss, and Yanovsky.

Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
Flurscheim, Cedric H.

Meyer, William: *See*—
Krone, Howard C., and Meyer.

Miller, Carl E.: *See*—
Moore, George E., and Miller.

Miller Pottery Engineering Company, assignee: *See*—
Miller, William J.

Miller, Samuel C., assignee: *See*—
Leverte, Robert J.

Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pittsburgh, Pa. Apparatus for preparing mixtures of ceramic materials in the manufacture of potteryware. 2,413,330; Dec. 31.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Mitchell, Irvin R., assignor to A. Leschen & Sons Rope Company, St. Louis, Mo. Forming loops. 2,413,642; Dec. 31.

Mitchell, Wallace F., Chicago, assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Boring machine. 2,413,574; Dec. 31.

Monsanto Chemical Company, assignee: *See*—
Billings, Howard J.

Montcalm, Incorporated, assignee: *See*—
Roth, Joseph N.

Montclair Research Corporation, assignee et al.: *See*—
Rust, John B., and MacKenzie.

Moore, George E., Muskegon Heights, and C. E. Miller, North Muskegon, Mich., assignors to Manning, Maxwell & Moore, Inc., Bridgeport, Conn. Grip lifter. 2,413,366; Dec. 31.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Producing dies from powdered metallurgy. 2,413,512; Dec. 31.

Morrill, Vaughan, Jr., assignor to American Stove Company, St. Louis, Mo. Liquid product and thermostatic device embodying same. 2,413,513; Dec. 31.

Morris, William P., Lovington, N. Mex. Measuring line stripping block. 2,413,367; Dec. 31.

Munters, Carl G., Stockholm, Sweden. Heat insulation. 2,413,331; Dec. 31.

Musselman, John M., South Euclid, assignor to The Standard Oil Company, Cleveland, Ohio. Composition of matter suitable for use as a lubricant and lubricant comprising the same. 2,413,332; Dec. 31.

Myerson, Simon, Brookline, Mass. Crown type tooth. 2,413,333; Dec. 31.

Nash-Kelvinator Corporation, assignee: *See*—
Armstrong, George M.

National Foam System, Inc., assignee: *See*—
Urquhart, George G.

National Venders, Inc., assignee: *See*—
Fry, Benjamin W.

Nault, Joseph, Maynard, Mass. Shock absorber on sweep arm for picker motion looms. 2,413,643; Dec. 31.

Neff, Edward A., Chicago, Ill. Parachute pack opening device. 2,413,368; Dec. 31.

Nepheline Products Limited, assignee: *See*—
Nicholson, Clifford M.

Newman, Ruth R., assignee, et al.: *See*—
Pomeroy, Roy J.

Nicholl, Leonard: *See*—
Flisik, Alvin C., Nicholl, and Bitler.

Nichols, Peter L., Jr., Philadelphia, P. E. Meiss, Fort Washington, and E. Yanovsky, Philadelphia, assignors to United States of America as represented by the Secretary of Agriculture. Preparing soluble allyl starch. 2,413,463; Dec. 31.

Nicholson, Clifford M., Ottawa, Ontario, assignor to Nepheline Products Limited, Toronto, Ontario, Canada. Production of lithium compounds. 2,413,644; Dec. 31.

Nihon, Alexis, Dorval, Quebec, Canada. Venetian blind. 2,413,464; Dec. 31.

Novelart Manufacturing Company, assignee: *See*—
Von Hartmann, Evelyn.

Nuttall, Dave E.: *See*—
Griffin, Ira L., Truax, and Nuttall.

Nygren, Carl, assignor to Mechiana Products Corporation, Michigan City, Ind. Stuffing box for water-cooled shafts. 2,413,645; Dec. 31.

Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee, Wis. Freight car door stop. 2,413,575; Dec. 31.

Obermaier, John A., River Forest, Ill. Frictional holding means. 2,413,414; Dec. 31.

O'Brien, Frank J., Pelham Manor, assignor to Continental Can Company, Inc., New York, N. Y. Lock top container. 2,413,646; Dec. 31.

O'Brien, Peter T., Salem, Mass. Game. 2,413,369; Dec. 31.

Ohlsen, Violet E., Washington, D. C. Handbag. 2,413,465; Dec. 31.

Oldfield, John C., Yakima, Wash. Watering device. 2,413,647; Dec. 31.

Olsen, Thorsten Y., assignee: *See*—
Sundby, Harold C.

Olson, August, Palatine, Ill. Concrete form tie and spacer. 2,413,415; Dec. 31.

Orefraction Incorporated, assignee: *See*—
Wiegand, Edwin L.

Orner, Harry, assignor to M. M. Cohen, Cleveland Heights, Ohio. Hair extracting device. 2,413,576; Dec. 31.

Osborn, Alden E., Mount Vernon, N. Y. Airplane control mechanism. 2,413,577; Dec. 31.

Osterstuck, Lester M., assignor of one-half to M. A. Bissell, Jamestown, N. Y. Torque-responsive clutch. 2,413,466; Dec. 31.

Ostlund, Albion I. ,and J. C. Christian, Jr., assignors to Boeing Aircraft Company, Seattle, Wash. Automatic charging means for machine guns. 2,413,416; Dec. 31.

Ott, Emil, assignor to Hercules Powder Company, Wilmington, Del. Terpene reaction product and producing. 2,413,648; Dec. 31.

Overly, Elmer G., Oakmont, Pa., assignor, by mesne assignments, to Pittsburgh Lithograph Press Corporation, New York, N. Y. Pay statement and envelope assembly. 2,413,649; Dec. 31.

Pabst Brewing Company, assignee: *See*—
Darragh, John K., and Rue.

Palmer, Walter E., Fair Lawn, N. J., assignor to Hollup Corporation, Chicago, Ill. Welding stud. 2,413,370; Dec. 31.

Parker, Ernest W., West Roxbury, Mass. Fish lure casting plug. 2,413,371; Dec. 31.

Patents Research Corporation, assignee: *See*—
Guanella, Gustav.

Patterson, Clarence, Cullman, Ala. Adjustable parallel beam cultivator. 2,413,467; Dec. 31.

Paulson, Bernard J., Waukesha, Wis. Propeller. 2,413,372; Dec. 31.

Peacock, Arnold L., Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Glow discharge lamp. 2,413,650; Dec. 31.

Pedrick Tool & Machine Company, assignee: *See*—
Shaw, Ralph M., Jr.

Pelton, George S., assignee, et al.: *See*—
Swallow, William D.

Pelton, Herbert E., assignee, et al.: *See*—
Swallow, William D.

Pendergrass, James A., Blanchester, Ohio. Heating drum. 2,413,578; Dec. 31.

Pennybacker, Miles, Westport, Conn. Crystal holder. 2,413,579; Dec. 31.

People in the territory of the United States, dedicated to the free use of: *See*—
Anderson, Eric A.

Perkins, Melvin A., Wilmington, and P. R. Johnson, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of vat dyestuffs of the anthraquinone series. 2,413,514; Dec. 31.

Permoflux Corporation, assignee: *See*—
Gilman, Wayne H.

Perry, Robert M., Coeur d'Alene, Idaho. Cartridge carrier. 2,413,580; Dec. 31.

Petty, Olive S., San Antonio, Tex. Measuring instrument. 2,413,651; Dec. 31.

Phillips, Albert J., Plainfield, and Y. E. Lebedeff and J. R. Crandall, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Producing elemental selenium. 2,413,374; Dec. 31.

Phillips Petroleum Company, assignee: *See*—
Katz, Donald L.

Pieper, Oliver T., assignor to Lobdell Company, Wilmington, Del. Grinding machine. 2,413,334; Dec. 31.

Pittsburgh Lithograph Press Corporation, assignee: *See*—
Overly, Elmer G.

Plensler, Alexander W., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Control apparatus for tuning radio receivers. 2,413,515; Dec. 31.

Plibrico Jointless Firebrick Company, assignee: *See*—
Anderson, John E., and Dunlap.

Polaroid Corporation, assignee: *See*—
Husek, Helen P.

Pollock, Martin S., East Chester, N. Y. Moistening device. 2,413,652; Dec. 31.

Pomeroy, Richard D., Altadena, assignor of one-half to H. D. Kirschman, Tujunga, Calif. Method of and apparatus for treating liquids. 2,413,375; Dec. 31.

Pomeroy, Roy J., Los Angeles, Calif., assignor, by mesne assignments, of one-sixth to M. Hirshstein, one-sixth to R. R. Newman, and one-sixth to M. J. Hirshstein, trustee for the benefit of Pearl Hirshstein, Cleveland, Ohio. Drafting machine. 2,413,376; Dec. 31.

Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Portable lamp guard. 2,413,417; Dec. 31.

Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Portable lamp. 2,413,517; Dec. 31.

Potter, Elizabeth F., executor, et al.: *See*—
Frost, Frank R.

Pratt, Carl D., and J. A. Farr, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Sheathing material. 2,413,516; Dec. 31.

Procter & Gamble Company, assignee: *See*—
Eckey, Eddy W., and Taylor.

Puening, Franz, Bethlehem, Pa. Apparatus for operating coke ovens with movable walls. 2,413,335; Dec. 31.

Putnam, Erle T., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building block. 2,413,377; Dec. 31.

Quack, Wilbert: *See*—
Tuck, Davis H., Franck, and Quack.

Rackett, Gerald F., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Color correction of color pictures. 2,413,468; Dec. 31.

Radio Corporation of America, assignee: *See*—
Carlson, Wendell L.
Deal, Harmon B., Alexander, and Rankin.
Goddard, De Witt R.
Hammond, John H., Jr.
Sziklai, George C.
Usselman, George L.
Weagant, Roy A.
Young, Charles J.

Raney, Russell R., La Grange, Ill., assignor to International Harvester Company. Tying apparatus. 2,413,378; Dec. 31.

Rankin, John A.: *See*—
Deal, Harmon B., Alexander, and Rankin.

Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Refrigerant compressor valve arrangement. 2,413,653; Dec. 31.

Raymond, Albert L.: *See*—
Saunders, Francis J., and Raymond.

Raytheon Manufacturing Company, assignee: *See*—
Schmidt, Robert C.
Small, Wallace H.

Read, William T., executor: *See*—
Hoeber, Harold.

Rechton, George D., and J. H. Watson, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Metal forming machine. 2,413,518; Dec. 31.

Reed, Harry W., Cincinnati, Ohio. Electrical plug and socket connection. 2,413,519; Dec. 31.

Reif, Ernest O., and M. Trafton, Jr., La Lima, Honduras, assignors to United Fruit Company, Boston, Mass. Extraction of rubber from plants of the genus cryptostegia. 2,413,654; Dec. 31.

Reising, Eugene G., Hartford, Conn. Trigger stop for firearms. 2,413,520; Dec. 31.

Rhodes, James H., & Company, assignee: *See*—
Englund, Leonard H.

Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web splicing apparatus. 2,413,581; Dec. 31.

Rohm & Haas Company, assignee: *See*—
Hester, William F., and Craig.

Rollson, Ray W.: *See*—
Sargent, Donald E., and Rollson.

Roskilly, Charles, Burbank, Calif. Testing device adapter for conventional flashlights. 2,413,521; Dec. 31.

Roth, Joseph N., Belding, assignor, by mesne assignments, to Montcalm, Incorporated, Greenville, Mich. Refrigerant controlling and expansion apparatus. 2,413,336; Dec. 31.

Rudel, John M., assignor to Standard Railway Equipment Manufacturing Co. (Canada) Limited, Montreal, Quebec, Canada. Car roof joint. 2,413,379; Dec. 31.

Rue, Harold E.: *See*—
Darragh, John K., and Rue.

Rullson, Carroll J., Baldwinsville, N. Y. Mechanical decoy. 2,413,418; Dec. 31.

Rush, John W., and A. J. Bent, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor. 2,413,380; Dec. 31.

Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Fuel supply controlling means for burners. 2,413,655; Dec. 31.

Russell-Miller Milling Co., assignee: *See*—
Sullivan, Elizabeth J.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Baling means. 2,413,522; Dec. 31.

Rust, John B., West Orange, and C. A. MacKenzie, Montclair, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Silico-organic derivatives and making the same. 2,413,582; Dec. 31.

Ryan, Victor A.: *See*—
Kesler, William C., and Ryan.

Rylsky, Gregory V., New York, N. Y., assignor to Bendix Aviation Corporation, Teterboro, N. J. Illuminating means for indicating instruments. 2,413,381; Dec. 31.

S. V. H. Corporation, assignee: *See*—
Horton, Stephen V.

Sahyun, Melville, and J. A. Faust, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y. Alpha-(meta-hydroxyphenyl)-beta-methylaminoethanol para-aminobenzoate. 2,413,656; Dec. 31.

St. Regis Paper Company, assignee: *See*—
Shearer, Russell C.

Sanitary Tampon Corporation, assignee: *See*—
Winter, Courtney P.

Sargent, Donald E., and R. W. Rollson, Jackson, Mich., assignors, by mesne assignments, to Hart-Carter Company, Peoria, Ill. Sheet metal sieve construction for harvesters. 2,413,382; Dec. 31.

Saunders, Francis J., Skokie, and A. L. Raymond, Northfield, assignors to G. D. Searle & Co., Skokie, Ill. Pellet for administering gonadotropic pituitary hormones. 2,413,419; Dec. 31.

Savrda, Charles M., Bay Shore, assignor to The Atlantic Coast Fisheries Company, New York, N. Y. Apparatus for positioning fish. 2,413,383; Dec. 31.

Schenkelberg, William P., Carroll, Iowa. Harrow attachment for tractors. 2,413,657; Dec. 31.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of branched chain paraffinic hydrocarbons. 2,413,384; Dec. 31.

Schmidt, Robert C., assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,413,385; Dec. 31.

Scholl Mfg. Co., Inc., assignee: *See*—
Bergman, Raymond W.

Schulz, Edward L., assignor to Carrier Corporation, Syracuse, N. Y. Suit for circulating conditioned air about a person. 2,413,386; Dec. 31.

Schumacher, George W., assignee: *See*—
Isakson, Stig.

Schweitzer, Carl E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of nitrogen compounds. 2,413,469; Dec. 31.

Scrivener, William C., and A. G. Brewer, Sutton Coldfield, England. Base construction for a mast and derick. 2,413,658; Dec. 31.

Searle, G. D., & Co., assignee: *See*—
Saunders, Francis J., and Raymond.

Sears, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Insulated electrical conductor. 2,413,673; Dec. 31.

Sedusky, Henry J.: *See*—
Krister, Charles J., Sedusky, and Thompson.

Segal, Samuel, New York, N. Y. Key retainer. 2,413,337; Dec. 31.

Semagraph Company, assignee: *See*—
Bierman, Everett C.

Shackelford, William G.: *See*—
Fitchett, Thomas S., Greenwood, and Shackelford.

Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Bending machine. 2,413,523; Dec. 31.

Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Bending machine. 2,413,524; Dec. 31.

Shearer, Russell C., Raymondville, assignor to St. Regis Paper Company, New York, N. Y. Bleaching of groundwood. 2,413,583; Dec. 31.

Shell Development Company, assignee: *See*—
Ballard, Seaver A., and Winkler.
Cole, Robert M.

Shelly, Llewellyn W.: *See*—
Hamilton, Samuel H., and Shelly.

Sheridan, T. W. & C. B., Company, assignee: *See*—
Kleineberg, Paul E.

Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,413,584; Dec. 31.

Sigman, Edwin H., assignee: *See*—
Vizents, Herman C.

Simmonds Aerocessories Limited, assignee: *See*—
Smith, Stanley J.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Track sander. 2,413,387; Dec. 31.

Simmons, Leon E., Claremont, N. H., and H. H. Vanderzee, Michigan City, Ind., assignors to Joy Manufacturing Company. Cutter chain. 2,413,585; Dec. 31.

Simpson, Herbert S., assignee: *See*—
Christensen, Alfred C.

Skoog, Robert W., Borger, Tex., assignor to United Carbon Company, Inc., (Maryland). Apparatus for producing carbon black. 2,413,586; Dec. 31.

Skowron, Edmund A., Pittsburgh, and W. H. Woodings, Oakmont, assignors to Woodings-Verona Tool Works, Verona, Pa. Rail anchor. 2,413,470; Dec. 31.

Small, Wallace H., Waltham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Exhaust tubulation for electronic discharge tubes. 2,413,338; Dec. 31.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,413,587; Dec. 31.

Smith, A. O., Corporation, assignee: *See*—
Martin, Wesley G.
Tiedemann, Julius B.

Smith, Alfred A., Dunsmuir, Calif. Railway track heater. 2,413,388; Dec. 31.

Smith, Edward N., Scottsbluff, Nebr. Flashing structure for roofs. 2,413,588; Dec. 31.

Smith, Harold L., assignor to The Louis Allis Company, Milwaukee, Wis. Totally enclosed dynamoelectric machine. 2,413,525; Dec. 31.

Smith, Stanley J., assignor to Simmonds Aerocessories Limited, London, England. Additive multirange electronic measuring instrument. 2,413,389; Dec. 31.

Smith, T. L., Company, The, assignee: *See*—
Draeger, Lloyd H.

Snook, Harry N.: *See*—
Hansen, Lloyd D., Harris, Hegeman, and Snook.

Snyder, Christopher L., assignee, et al.: *See*—
Snyder, Richard L.

Snyder, Henrietta B., assignee, et al.: *See*—
Snyder, Richard L.

Snyder, Richard L., assignor of one-fourth to H. B. Snyder, Glassboro, one-fourth to R. L. Snyder, Jr., Princeton, and one-fourth to C. L. Snyder, Metuchen, N. J. Rotary internal-combustion engines (alternating piston type). 2,413,589; Dec. 31.

Snyder, Richard L., assignor of one-fourth to H. B. Snyder, Glassboro, one-fourth to R. L. Snyder, Jr., Princeton, and one-fourth to C. L. Snyder, Metuchen, N. J. Arcuate piston. 2,413,590; Dec. 31.

Snyder, Richard L., Jr., assignee, et al.: *See*—
Snyder, Richard L.

Solomon, Charles, New York, N. Y. Removable pad for sport shirts and jackets. 2,413,526; Dec. 31.

Solomon, Charles, New York, N. Y. Removable shoulder pads for shirts. 2,413,527; Dec. 31.

Sorrentino, Luis, Buenos Aires, Argentina. Counterweight device for roller curtains. 2,413,471; Dec. 31.

Speaker, John W., Milwaukee, Wis. Pocket type can opener. 2,413,528; Dec. 31.

Spector, Morris, Chicago, Ill., assignor to Spector Patents, Inc. Combination reversing means, transfer means, and yieldable pusher finger means in match book assembling mechanism. 2,413,659; Dec. 31.

Spector Patents, Inc., assignee: *See*—
Spector, Morris.

Spiral Binding Company, Inc., assignee: *See*—
Freundlich, Albert.

Stadelman, Frank, Cranford, assignor to Latendorf Conveying Corporation, Bayonne, N. J. Conveyer. 2,413,339; Dec. 31.

Standard Oil Company, The, assignee: *See*—
Musselman, John M.

Standard Oil Development Company, assignee: *See*—
Cohen, Charles A.

Standard Railway Equipment Manufacturing Co. (Canada) Limited, assignee: *See*—
Rudel, John M.

Stanley, Richard W.: *See*—
McDermott, Henry J., and Stanley.

Stearns, Edwin I., Jr., North Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Flickering beam spectrophotometer. 2,413,660; Dec. 31.

Stein, Hall and Company, Inc., assignee: *See*—
Griffin, Ira L., Truax, and Nutall.

Stephanoff, Nicholas N., Bryn Mawr, Pa., assignor to Thermo-Plastics Corporation, Camden, N. J. Method and apparatus for dispersing or drying fluent material in high velocity elastic fluid jets. 2,413,420; Dec. 31.

Sterling Drug Inc., assignee: *See*—
Sahyun, Melville, and Faust.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,413,390; Dec. 31.

Stokes, Charles C., Philadelphia, Pa. Material handling construction. 2,413,661; Dec. 31.

Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Double-acting chuck. 2,413,421; Dec. 31.

Strother, Charles B., Cincinnati, assignor of one-half to L. H. Forster, Dayton, Ohio. Coding and decoding chart for cryptography. 2,413,592; Dec. 31.

Sturdy, Leonard W., London, Ontario, Canada. Apparatus for forming can tops and lids. 2,413,591; Dec. 31.

Submarine Signal Company, assignee: *See*—
Benioff, Hugo.

Sullivan, Elizabeth J., assignor to Russell-Miller Milling Co., Minneapolis, Minn. Accelerated moisture conditioning and milling of grain. 2,413,472; Dec. 31.

Sulzer Frères, Societe Anonyme, assignee: *See*—
Lieberherr, Hans.
Zollikofer, Otto.

Sundby, Harold C., assignor of one-half to T. Y. Olsen, Philadelphia, Pa. Lighter. 2,413,473; Dec. 31.

Superior Steel Corporation, assignee: *See*—
Frost, Frank R.

Swallow, William D., assignor of two-thirds to H. E. and G. S. Pelton, Los Angeles, Calif. Torsional vibratory electric motor. 2,413,340; Dec. 31.

Swaney, C. Barnett, assignee, et al..: *See*—
Swaney, Robert C.

Swaney, Laura B., guardian, assignee: *See*—
Swaney, Robert C.

Swaney, Mary J., assignee, et al.: *See*—
Swaney, Robert C.

Swaney, Robert C., assignor of one-fourth to L. B. Swaney, one-fourth to L. B. Swaney as guardian of C. B. Swaney, one-fourth to L. B. Swaney as guardian of M. J. Swaney, Newton, Mass. Tractor crane. 2,413,529; Dec. 31.

Swift, Frank H., Portland, Oreg., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Hydraulic barker for slabs. 2,413,341; Dec. 31.

Swinnertons Limited, asignee: *See*—
Bloore, Robert B.

Sylvania Electric Products, Inc., assignee: *See*—
Demb, Kenneth, and Hayes.
Kilduff, John W., and Maurette.
McCarthy, Henry J.
Peacock, Arnold L.
Thomas, Ralph B.

Symons, Arthur H., assignor to Symons Clamp & Mfg. Company, Chicago, Ill. Adjustable shore. 2,413,342; Dec. 31.

Symons Clamp & Mfg. Company, assignee: *See*—
Symons, Arthur H.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Radio receiver. 2,413,593; Dec. 31.

Taylor, Donald S.: *See*—
Green, Howard D., and Taylor.

Taylor, James E.: *See*—
Eckey, Eddy W., and Taylor.

Taylor, Taylor & Hobson, Limited, assignee: *See*—
Warmisham, Arthur, and Wynne.

Taylor, William W., San Marino, Calif. Scooter construction. 2,413,530; Dec. 31.

Technical Motion Picture Corporation, assignee: *See*—
Rackett, Gerald F.

Teige, John J., and W. R. Thomas, Baltimore, assignors to The Black and Decker Manufacturing Company, Towson, Md. Chuck. 2,413,422; Dec. 31.

Tellington, Wentworth J.: *See*—
Dunn, Charles G., and Tellington.

Textile Machine Works, assignee: *See*—
Bitzer, Gottlob.

Textile Research Co., assignee: *See*—
Hoeber, Harold.

Thermo-Plastics Corporation, assignee: *See*—
Stephanoff, Nicholas N.

Thomas, Ralph B., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Lamp base. 2,413,662; Dec. 31.

Thomas, William R.: *See*—
Teige, John J., and Thomas.

Thompson, George L.: *See*—
Krister, Charles J., Sedusky, and Thompson.

Tiedemann, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Flash welding machine. 2,413,663; Dec. 31.

Timken Roller Bearing Company, The, assignee: *See*—
Bonte, Frederick R.

Toce, Charles A. and V. J., Houston, assignors to Federal Aircraft Engine Corporation, Harris County, Tex. Mechanical vapor fuel injector for engines. 2,413,343; Dec. 31.

Toce, Victor J.: *See*—
Toce, Charles A. and V. J.

Toland, William C., Brookline, Mass., assignor to W. C. Toland, trustee. Printing plate means. 2,413,664; Dec. 31.

Tomes, Gilbert A. R.: *See*—
Graves, Arnold, and Tomes.

Trafton, Mark, Jr.: *See*—
Reif, Ernest O., and Trafton.

Trailmobile Company, The, assignee: *See*—
Black, James J.

Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Machine gun feed mechanism. 2,413,665; Dec. 31.

Truax, Dave E.: *See*—
Griffin, Ira L., Truax, and Nuttall.

Tuck, Davis H., Redding Ridge, Conn., and K. Franck and W. Quack, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Dust tight fluorescent lighting luminaire. 2,413,666; Dec. 31.

Union Oil Company of California, assignee: *See*—
Anderson, Benjamin T., and Flaxman.

Union Trust Company of Pittsburgh, The, executor, et al.: *See*—
Frost, Frank R.

United Carbon Company, Inc. (Maryland), assignee: *See*—
Skoog, Robert W.

United Frult Company, assignee: *See*—
Reif, Ernest O., and Trafton.

United Gas Improvement Company, The, assignee: *See*—
Weir, Horace M.

United States Quarry Tile Company, assignee: *See*—
Feichter, Harold R.

Universal Oil Products Company, assignee: *See*—
Bloch, Herman S.
Hulsberg, Herbert A.
Schmerling, Louis.

Upjohn Company, The, assignee: *See*—
Fox, Sidney W.

Urquhart, George G., Wynnewood, assignor to National Foam System, Inc., Philadelphia, Pa. Fire extinguishing composition. 2,413,667; Dec. 31.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Power supply system. 2,413,391; Dec. 31.

Vanderzee, Harry H.: *See*—
Simmons, Leon E., and Vanderzee.

Verbanc, John J., Tuxedo Park, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing zinc salts of aryl mercaptans. 2,413,531; Dec. 31.

Veverka, Rudolph, Bayport, N. Y. Clasp. 2,413,392; Dec. 31.

Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,413,393; Dec. 31.

Vickers Incorporated, assignee: *See*—
Ellis, Arthur L.
Vickers, Harry F.

Virginia-Carolina Chemical Corporation, assignee: *See*—
Given, Charles P.
Vizents, Herman C., deceased; L. Vizents, administratrix, assignor to E. H. Sigman, Chicago, Ill. Cutter forming device. 2,413,532; Dec. 31.
Vizents, Lillian, administratrix: *See*—
Vizents, Herman C.
Volgenau, Robert H., Buffalo, and J. M. Hooe, Ogdensburgh, N. Y. Tool for removing wax from beehive frames. 2,413,394; Dec. 31.
Von Hartmann, Evelyn, Westwood, N. J., assignor to Novelart Manufacturing Company, Long Island City, N. Y. Stationery package. 2,413,474; Dec. 31.
Wainwright, John E., Hunningham, near Leamington Spa, and M. Jellis, Peterborough, assignors to Coventry Gauge & Tool Company Limited, Fletchamstead, Coventry, England. Screw thread gauge. 2,413,533; Dec. 31.
Walts, Fred B., assignor of fifty-one one-hundredths to C. S. Watkins, and forty-nine one-hundredths to G. H. Brown, Los Angeles, Calif. Spring hinge. 2,413,475; Dec. 31.
Ware, Lucia W., Omaha, Nebr. Baby harness. 2,413,395; Dec. 31.
Warmisham, Arthur, and C. G. Wynne, assignors to Taylor, Taylor & Hobson, Limited, Leicester, England. Optical objective. 2,413,476; Dec. 31.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,413,668; Dec. 31.
Watkins, C. S., assignee, et al.: *See*—
Walts, Fred B.
Watson, Carlisle V., assignor to H. G. Lumbard, Auburn, Maine. Sock lining. 2,413,534; Dec. 31.
Watson, Jack H.: *See*—
Rechton, George D., and Watson.
Weagant, Roy A., Douglaston, N. Y., assignor to Radio Corporation of America. Multiplex transmission system. 2,413,396; Dec. 31.
Weber, Ernst, assignor to Landis & Gyr, A-G., Zug, Switzerland. Oscillatory armature relay. 2,413,397; Dec. 31.
Weidler, Walter, Detroit, Mich. Cup or glass holder for plates. 2,413,535; Dec. 31.
Weinrich, Arthur R.: *See*—
Colbert, William H., and Weinrich.
Weir, Horace M., Wynnewood, Pa., assignor to The United Gas Improvement Company. Multistage method of purifying styrene. 2,413,674; Dec. 31.
Welton, Wright M.: *See*—
Haywood, Gerald, and Welton.
Western Electric Company, Incorporated, assignee: *See*—
Hansen, Lloyd D., Harris, Hegeman, and Snook.
Westinghouse Air Brake Company, The, assignee: *See*—
Bush, Rankin J.
Kelley, Cecil S.
Rush, John W., and Bent.
Stevens, Roy R.
West Virginia Pulp and Paper Company, assignee: *See*—
Haywood, Gerald, and Welton.
Wheaton Brass Works, assignee: *See*—
Krone, Howard C., and Meyer.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Time delay network. 2,413,609; Dec. 31.
Whitcombe, Christopher J., Smethwick, England, assignor to Guest, Keen & Nettlefolds, Limited. Screw and nut fastening. 2,413,669; Dec. 31.
White, Wendell H., Martinez, Calif. Curling open-end drums. 2,413,594; Dec. 31.
Whitman, Lucilla de V., New York, N. Y. Necktie construction. 2,413,398; Dec. 31.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric hot-plate unit. 2,413,477; Dec. 31.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater. 2,413,478; Dec. 31.
Wiegand, Edwin L., assignor to Orefraction Incorporated, Pittsburgh, Pa. Conveying of materials. 2,413,479; Dec. 31.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater. 2,413,536; Dec. 31.
Wiegand, Edwin L., Company, assignee: *See*—
Wiegand, Edwin L.
Willman, Walter, St. Petersburg, Fla., assignor to James Heddon's Sons, Dowagiac, Mich. Skirted fish lure. 2,413,344; Dec. 31.
Willson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Compound motion fluid distribution valve for wabbler plate meters. 2,413,670; Dec. 31.
Wilson, John C., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Color television signal-translating system. 2,413,423; Dec. 31.
Wingfoot Corporation, assignee: *See*—
Carson, Clarence M.
Winkler, De Loss E.: *See*—
Ballard, Seaver A., and Winkler.
Winter, Courtney P., deceased, M. B. Winter, executrix, assignor to Sanitary Tampon Corporation, Chambersburg, Pa. Tampon applicator. 2,413,480; Dec. 31.
Winter, Marguerite B., executrix: *See*—
Winter, Courtney P.
Wiser, Winston D., Muncy, Pa. Automatically adjustable wire rope die. 2,413,595; Dec. 31.
Witherow, William P., assignee: *See*—
Henderson, Albert.
Wm. Bros Boiler & Manufacturing Co., assignee: *See*—
Ashenden, Ernest W.
Wolf, Robert A., and H. L. Bowers, Kenmore, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Seal for aircraft control rods. 2,413,671; Dec. 31.
Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. Artificial horizon. 2,413,399; Dec. 31.
Wood, John, Manufacturing Company, Inc., assignee: *See*—
Willson, David S.
Wood Newspaper Machinery Corporation, assignee: *See*—
Roesen, Oscar C.
Wood, William H., Jr., Ansonia, Conn. Anchor. 2,413,596; Dec. 31.
Woodings-Verona Tool Works, assignee: *See*—
Skowron, Edmund A.
Woodward Governor Company, assignee: *See*—
Drake, George F.
Woodworth, N. A., Company, assignee: *See*—
Hohwart, Ernest F., and Hohwart.
Wyandotte Chemicals Corporation, assignee: *See*—
McCoy, Lowell R.
Wynne, Charles G.: *See*—
Warmisham, Arthur, and Wynne.
Yanovsky, Elias: *See*—
Nichols, Philip L., Jr., Meiss, and Yanovsky.
Yingling, Frank B., assignee: *See*—
Butts, Richard R.
Young, Charles J., Ardmore, Pa., assignor to Radio Corporation of America. Facsimile apparatus. 2,413,400; Dec. 31.
Young, L. A., Spring & Wire Corporation, assignee: *See*—
Del Giudice, Victor J.
Youngblood, Don C., Chicago, Ill., and B. D. Ashbaugh, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Apparatus for feeding preforms to injection machines. 2,413,401; Dec. 31.
Ziniti, Evelyn, New York, N. Y. Shoe construction. 2,413,481; Dec. 31.
Zitz, Val, assignee: *See*—
Ethridge, John H.
Zollikofer, Otto, St. Gallen, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Loom with big weaving width. 2,413,672; Dec. 31.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Stand: *See*—
Unitary foldable music stand.
Unitary foldable music stand. W. Berg. Re. 22,826; Dec. 31.

LIST OF PLANT INVENTIONS

Plum tree. F. H. Howard. 721; Dec. 31.

LIST OF DESIGN INVENTIONS

Airplane. R. J. Woods. 146,162; Dec. 31.
Bottle or similar article. J. O. Billups. 146,127; Dec 31.
Brooch or similar article, Separable. A. Katz. 146,141; Dec. 31.
Buckle. H. Pomerantz. 146,153; Dec. 31.
Clip, Money. W. J. Kent. 146,147; Dec. 31.
Clip or similar article, Pin. A. Katz. 146,140; Dec. 31.
Colorimeter. W. H. Harrison. 146,137; Dec. 31.
Dispenser, Adhesive tape. B. Bronfman. 146,130; Dec. 31.
Dispensing device, Cigarette. M. Schwartz. 146,156; Dec. 31.
Doily or similar article. K. C. Hamilton. 146,135; Dec. 31.
Doll. D. J. Curran. 146,132; Dec. 31.
Dress. N. Shatz. 146,157; Dec. 31.
Earring or similar article. P. Kaufman. 146,142–6; Dec. 31.
Frame for eyeglasses. M. Schwartz. 146,155; Dec. 31.
Helicopter. R. A. Wolf. 146,161; Dec. 31.
Piano. W. Zaiser. 146,163–4; Dec. 31.
Pipe or similar article, Tobacco. F. Snyder. 146,158; Dec. 31.
Projector. O. R. Nemeth. 146,151; Dec. 31.
Machine for beverages and ice cream, Dispensing. J. A. Chambers. 146,131; Dec. 31.
Mat, Bathtub. C. E. Wakefield. 146,159; Dec. 31.
Rack or similar article, Pen. W. Harwood. 146,138; Dec. 31.
Scale. H. Preble, Jr. 146,154; Dec. 31.
Shoe. M. Wolock. 146,160; Dec. 31.
Spoon or similar article. G. N. Allen and M. P. Fleming. 146,125; Dec. 31.
Statuette or similar article. T. Bergman. 146,126; Dec. 31.
Sweater or similar article. A. Naidish. 146,150; Dec. 31.
Teapot. E. L. Holmes. 146,139; Dec. 31.
Textile fabric or similar article. S. Meyer. 146,149; Dec. 31.
Toy, Trundle. E. E. Hansen. 146,136; Dec. 31.
Tray or similar article, Ash. M. M. Newman. 146,152; Dec. 31.
Tray, Waiter's. J. Le Graffe. 146,134; Dec. 31.
Ventilator for airplanes, Adjustable. C. F. Gladen. 146,133; Dec. 31.
Violin or similar article. L. G. Klages. 146,148; Dec. 31.
Weight or similar article, Paper. R. M. Blackhall and M. Kaufman. 146,129; Dec. 31.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF DECEMBER, 1946

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive pad and making it, Spongiform plastic. L. H. England. 2,413,551; Dec. 31.
Absorption process. D. L. Katz. 2,413,503; Dec. 31.
Acid processes, Nicotinic. S. W. Fox. 2,413,615; Dec. 31.
Activation, Electrode. C. G. Found. 2,413,442; Dec. 31.
Adapter for conventional flashlights, Testing device. C. Roskilly. 2,413,521; Dec. 31.
Adjustable shore. A. H. Symons. 2,413,342; Dec. 31.
Airplane. D. W. Main. 2,413,460; Dec. 31.
Alcohol composition, Polyvinyl. C. J. Krister, H. J. Sedusky, and G. L. Thompson. 2,413,570; Dec. 31.
Alcohols, High molecular polyhydric. E. W. Eckey and J. E. Taylor. 2,413,612; Dec. 31.
Alicyclic ketonic compounds, Catalytic conversion of. S. A. Ballard and De L. E. Winkler. 2,413,598; Dec. 31.
Alpha - (meta-hydroxyphenyl) - beta - methylaminoethanol para-aminobenzoate. M. Sahyun and J. A. Faust. 2,413,656; Dec. 31.
Anchor. W. H. Wood, Jr. 2,413,596; Dec. 31.
Anchor extension means. J. E. Anderson and C. W. Dunlap. 2,413,425; Dec. 31.
Anchor, Rail. E. A. Skowron and W. H. Woodings. 2,413,470; Dec. 31.
Antenna system, Sectional parabolic. De W. R. Goddard. 2,413,558; Dec. 31.
Apparatus for feeding preforms to injection machines. D. C. Youngblood and B. D. Ashbaugh. 2,413,401; Dec. 31.
Apparatus for forming can tops and lids. L. W. Sturdy. 2,413,591; Dec. 31.
Apparatus for operating coke ovens with movable walls. F. Puening. 2,413,335; Dec. 31.
Apparatus for positioning fish. C. M. Savrda. 2,413,383; Dec. 31.
Apparatus for preparing mixtures of ceramic materials in the manufacture of potteryware. W. J. Miller. 2,413,330; Dec. 31.
Apparatus for producing carbon black. R. W. Skoog. 2,413,586; Dec. 31.
Apparatus for trimming handles and the like for pottery goods. R. B. Bloore. 2,413,540; Dec. 31.
Applicator, Tampon. C. P. Winter. 2,413,490; Dec. 31.
Armature relay, Oscillatory. E. Weber. 2,413,397; Dec. 31.
Artificial horizon. D. L. Wood. 2,413,399; Dec. 31.
Artificial landscape. C. M. Jones. 2,413,633; Dec. 31.
Attachment for front wheels, Jacking. C. F. Carter. 2,413,289; Dec. 31.
Attachment for rear wheels, Jacking. C. F. Carter. 2,413,290; Dec. 31.
Attachment for tractors, Harrow. W. P. Schenkelberg. 2,413,657; Dec. 31.
Automatic charging means for machine guns. A. I. Ostlund and J. C. Christian, Jr. 2,413,416; Dec. 31.
Automatic cutout for neon sign or like circuits. R. J. Leverte. 2,413,327; Dec. 31.
Automatic drainage device. C. G. Boone. 2,413,430; Dec. 31.
Automatically adjustable wire rope die. W. D. Wiser. 2,413,395; Dec. 31.
Automatically performing welting operations. G. Bitzer. 2,413,601; Dec. 31.
Baling means. S. D. Russell. 2,413,522; Dec. 31.
Base construction for a mast and derrick. W. C. Scrivener and A. G. Brewer. 2,413,658; Dec. 31.
Bending machine. R. M. Shaw, Jr. 2,413,523–4; Dec. 31.
Benzyl methyl acetoacetic methyl ester, Synthesis of isomer-free. A. C. Flisik, L. Nicholl, and W. P. Bitler. 2,413,493; Dec. 31.
Bimetallic products, Making. F. R. Frost, A. L. Frost, and E. F. Potter. 2,413,317; Dec. 31.
Binder, Loose-leaf. A. Freundlich. 2,413,616; Dec. 31.
Bit: *See*—
Hackamore bit.
Blind, Venetian. A. Nihon. 2,413,464; Dec. 31.
Block: *See*—
Building block.
Measuring line stripping block.
Board for acoustic treatments, Vibratile. A. B. Hurley. 2,413,568; Dec. 31.
Bomb rack. J. G. Lee. 2,413,635; Dec. 31.
Boring machine. W. F. Mitchell. 2,413,574; Dec. 31.
Bottle carrier and carton, Combined. J. K. Darragh and H. E. Rue. 2,413,315; Dec. 31.

Box for water-cooled shafts, Stuffing. C. Nygren. 2,413,645; Dec. 31.
Brace structure. J. D. Farrell. 2,413,302; Dec. 31.
Bracelet, Plastic. H. D. Brady. 2,413,541; Dec. 31.
Brake mechanism. C. L. Eksergian. 2,413,614; Dec. 31.
Building block. E. T. Putnam. 2,413,377; Dec. 31.
Burner: *See*—
Radiant oven and broiler burner.
Cage, Fish. J. H. Ethridge. 2,413,552; Dec. 31.
Caliper brace. J. Kolarik. 2,413,634; Dec. 31.
Camera. L. Frankel. 2,413,443; Dec. 31.
Camera for aerial photography. D. Hancock, Jr., and H. E. Melnema. 2,413,349; Dec. 31.
Cape, Shampoo. C. E. O. Larkin. 2,413,456; Dec. 31.
Car roof joint. J. M. Rudel. 2,413,379; Dec. 31.
Carrier: *See*—
Cartridge carrier.
Cartridge carrier. R. M. Perry. 2,413,580; Dec. 31.
Catch, Window screen. J. Freelander. 2,413,444; Dec. 31.
Cellulosic pads, Packaging. C. A. Fourness and K. J. Harwood. 2,413,556; Dec. 31.
Cementitious preparations. D. Curtis. 2,413,294; Dec. 31.
Chain: *See*—
Cutter chain.
Chamber for internal-combustion engines, Combustion. H. Lieberherr. 2,413,359; Dec. 31.
Chart for cryptography, Coding and decoding. C. B. Strother. 2,413,592; Dec. 31.
Chassis for trailers, Knockdown. J. J. Black. 2,413,404; Dec. 31.
Chloroindanthrones, Preparing. C. F. Belcher. 2,413,483; Dec. 31.
Chuck. J. J. Teige and W. R. Thomas. 2,413,422; Dec. 31.
Chuck, Double-acting. A. M. Stoner. 2,413,421; Dec. 31.
Clasp. R. Veverka. 2,413,392; Dec. 31.
Cleaner: *See*—
Suction cleaner.
Cleaner for beer dispensing systems. E. G. Hedges. 2,413,626; Dec. 31.
Cleaning composition for aluminum and aluminum alloys. L. R. McCoy. 2,413,365; Dec. 31.
Clip for connecting and reinforcing joints in wood structures, Metallic. H. B. Maxwell and W. E. Edwards, Jr. 2,413,362; Dec. 31.
Clips or links, Manufacture of metal. V. J. Del Giudice. 2,413,548; Dec. 31.
Closure, Container. W. C. Kesler and V. A. Ryan. 2,413,453; Dec. 31.
Clutch: *See*—
Torque-responsive clutch.
Collector, Unit dust. C. S. Hulton. 2,413,499; Dec. 31.
Color pictures, Color correction of. G. F. Rackett. 2,413,468; Dec. 31.
Composition of matter suitable for use as a lubricant and lubricant comprising the same. J. M. Musselman. 2,413,332; Dec. 31.
Compositions of matter, and making the same, Vitreous and vitrifiable. H. R. Feichter. 2,413,441; Dec. 31.
Compressor unit. J. M. Long. 2,413,636; Dec. 31.
Computing device. C. G. Cruzan. 2,413,314; Dec. 31.
Concrete members, Precast. A. Henderson. 2,413,562; Dec. 31.
Concrete placement apparatus. C. Jackson. 2,413,632; Dec. 31.
Connection for electrical apparatus, Lead. K. H. Ballard. 2,413,539; Dec. 31.
Container: *See*—
Lock top container.
Container for pastes, Collapsible. G. S. Hills. 2,413,323; Dec. 31.
Containers and closures therefor, Making sealed fiber. A. G. Hatch. 2,413,449; Dec. 31.
Containers, Assembling. W. G. Martin. 2,413,639; Dec. 31.
Control apparatus. R. R. Stevens. 2,413,390; Dec. 31.
Control apparatus for tuning radio receivers. A. W. Plensler. 2,413,515; Dec. 31.
Control device. C. S. Kelley. 2,413,356; Dec. 31.
Control device, Fluid operable. R. J. Bush. 2,413,287; Dec. 31.
Control instrument. F. W. Side. 2,413,584; Dec. 31.
Control means for helicopters. R. R. Hays. 2,413,625; Dec. 31.
Control mechanism, Airplane. A. E. Osborn. 2,413,577; Dec. 31.

Control mechanism, Pitch. G. F. Drake. 2,413,439; Dec. 31.
Control system, Fire. E. E. Libman. 2,413,573; Dec. 31.
Controlling means for burners, Fuel supply. P. S. Russel. 2,413,655; Dec. 31.
Conveyer. F. Stadelman. 2,413,339; Dec. 31.
Conveying of materials. E. L. Wiegand. 2,413,479; Dec. 31.
Conveyor, Stoker. W. T. Hanna. 2,413,448; Dec. 31.
Coupling: *See*—
Self-sealing valved coupling.
Cracking hydrocarbons in the presence of a diluent gas. H. Dreyfus. 2,413,407; Dec. 31.
Crane, Tractor. R. C. Swaney. 2,413,529; Dec. 31.
Crib, Folding. D. D. Leavitt. 2,413,457; Dec. 31.
Crystal holder. M. Pennybacker. 2,413,579; Dec. 31.
Cultivator, Adjustable parallel beam. C. Patterson. 2,413,467; Dec. 31.
Cutter: *See*—
Thread cutter.
Cutter. K. B. Kaiser. 2,413,452; Dec. 31.
Cutter chain. L. E. Simmons and H. H. Vanderzee. 2,413,585; Dec. 31.
Cutting machine. L. V. Lucia. 2,413,511; Dec. 31.
Cutting tool. R. M. Carpenter. 2,413,544; Dec. 31.
Decoy, Mechanical. C. J. Rulison. 2,413,418; Dec. 31.
Dermatome. J. A. Jenney. 2,413,354; Dec. 31.
Detecting irregularities of filaments, yarns and the like, Method and apparatus for. I. P. Denyssen. 2,413,486; Dec. 31.
Detergent composition, Phosphoric acid. C. P. Given. 2,413,495; Dec. 31.
Device for liquid treatment of filamentary material. H. J. McDermott and R. W. Stanley. 2,413,413; Dec. 31.
Device for roller curtains, Counterweight. L. Sorrentino. 2,413,471; Dec. 31.
Device for stamping presses, Safety. R. L. Aulenback. 2,413,282; Dec. 31.
Dibenzanthronyls, Manufacture of. H. R. Lee and E. T. Howell. 2,413,507; Dec. 31.
Die. C. D. Davidson. 2,413,547; Dec. 31.
Dies from powdered metalurgy, Producing. L. H. Morin. 2,413,512; Dec. 31.
Direction finding system. G. Guanella. 2,413,620; Dec. 31.
Direction indicating device. B. D. Loughlin. 2,413,637; Dec. 31.
Discharge device of the magnetron type, Electron. R. C. Schmidt. 2,413,385; Dec. 31.
Door stop, Freight car. K. F. Nystrom and V. L. Green. 2,413,575; Dec. 31.
Drafting machine. R. J. Pomeroy. 2,413,376; Dec. 31.
Drum having heat-exchange-fluid supply and removable means, Drier. L. Hornbostel. 2,413,567; Dec. 31.
Drum, Heating. J. A. Pendergrass. 2,413,578; Dec. 31.
Drums, Curling open-end. W. H. White. 2,413,594; Dec. 31.
Dyestuffs of the anthraquinone series, Preparation of vat. M. A. Perkins and P. R. Johnson. 2,413,514; Dec. 31.
Dynamoelectric machine, Totally enclosed. H. L. Smith. 2,413,525; Dec. 31.
Earth formations penetrated by well bores, Determining permeability of. L. A. Courter. 2,413,435; Dec. 31.
Eggs, Whitening. J. D. Ingle. 2,413,631; Dec. 31.
Electric hand lamp such as inspection lamp, Portable. R. P. H. Hinds. 2,413,628; Dec. 31.
Electric heater. E. L. Wiegand. 2,413,478; Dec. 31.
Electric heater. E. L. Wiegand. 2,413,536; Dec. 31.
Electric hot-plate unit. E. L. Wiegand. 2,413,477; Dec. 31.
Electric water heater of the storage type. A. R. Draffin. 2,413,611; Dec. 31.
Electrical apparatus. H. Benioff. 2,413,309; Dec. 31.
Electrical conductor, Insulated. W. C. Sears. 2,413,673; Dec. 31.
Electrically operated valve. J. Harding, Jr. 2,413,622; Dec. 31.
Electronic switch. J. F. Farrington. 2,413,440; Dec. 31.
Emulsions, Film forming. I. L. Griffin, D. E. Truax, and N. H. Nuttall. 2,413,320; Dec. 31.
Equipment, Communications. W. H. Gilman. 2,413,345; Dec. 31.
Esters, High molecular polyhydric. E. W. Eckey and J. E. Taylor. 2,413,613; Dec. 31.
Exchanger, Heat. W. R. Maguire and E. J. Lockwood. 2,413,360; Dec. 31.
Exerciser, Leg. L. D. Herrick. 2,413,351; Dec. 31.
Exhaust tubulation for electronic discharge tubes. W. H. Small. 2,413,338; Dec. 31.
Facsimile apparatus. C. J. Young. 2,413,400; Dec. 31.
Fastener. R. W. Luce. 2,413,510; Dec. 31.
Feeding mechanism for punch presses, Wire or strip. J. MacBlane. 2,413,638; Dec. 31.
Fence, Electric. S. G. Klumb. 2,413,506; Dec. 31.
Fibers from globular and fibrous proteins, Artificial. O. Huppert. 2,413,501; Dec. 31.
Films possessing low water imbibition, Dyeing of. R. C. Greenlees. 2,413,559; Dec. 31.
Filter unit and making same. S. W. Briggs. 2,413,431; Dec. 31.
Fingernails, Treating. I. Aberbach. 2,413,537; Dec. 31.
Fire extinguishing composition. G. G. Urquhart. 2,413,667; Dec. 31.
Fish lure casting plug. E. W. Parker. 2,413,371; Dec. 31.
Fish lure, Skirted. W. Willman. 2,413,344; Dec. 31.
Fixture, Contact. L. D. Hansen, F. E. Harris, A. S. Hegeman, and H. N. Snook. 2,413,410; Dec. 31.
Fixture, Fluorescent lighting. J. W. Kilduff and R. G. Maurette. 2,413,505; Dec. 31.
Flooring and the like, Sparkproof. W. W. Donelson. 2,413,610; Dec. 31.
Flower holder. A. D. Gifford. 2,413,307; Dec. 31.
Flowmeter. H. A. Hulsberg. 2,413,352; Dec. 31.
Fluent material in high velocity elastic fluid jets, Method and apparatus for dispersing or drying. N. N. Stephanoff. 2,413,420; Dec. 31.
Fluid pressure motor. J. W. Rush and A. J. Bent. 2,413,380; Dec. 31.
Fluorescent lighting luminaire, Dust tight. D. H. Tuck, K. Franck, and W. Quack. 2,413,666; Dec. 31.
Form for use in building self-sealing containers for gasoline, etc. R. D. Heymann. 2,413,497; Dec. 31.
Forming device, Cutter. H. C. Vizents. 2,413,532; Dec. 31.
Forming machine, Metal. G. D. Rechton and J. H. Watson. 2,413,518; Dec. 31.
Frictional holding means. J. A. Obermaier. 2,413,414; Dec. 31.
Fuel, Diesel type. B. T. Anderson and M. T. Flaxman. 2,413,482; Dec. 31.
Fumigant. F. L. Campbell and W. C. Fernelius. 2,413,405; Dec. 31.
Fumigant and fumigating. W. C. Fernelius and F. L. Campbell. 2,413,408; Dec. 31.
Game. W. A. Dubay. 2,413,550; Dec. 31.
Game. P. T. O'Brien. 2,413,369; Dec. 31.
Garment, Foundation. H. M. Ihsen. 2,413,502; Dec. 31.
Gas purifying apparatus. H. T. Holzwarth. 2,413,324; Dec. 31.
Gasolines, Catalytic finishing of. R. M. Cole. 2,413,312; Dec. 31.
Gauge: *See*—
Ring gauge.
Screw-thread gauge.
Glow discharge lamp. A. L. Peacock. 2,413,650; Dec. 31.
Grain, Accelerated moisture conditioning and milling of. E. J. Sullivan. 2,413,472; Dec. 31.
Grinding machine. O. W. Dawson. 2,413,436; Dec. 31.
Grinding machine. O. T. Pieper. 2,413,334; Dec. 31.
Grip lifter. G. E. Moore and C. E. Miller. 2,413,366; Dec. 31.
Groundwood, Bleaching. R. C. Shearer. 2,413,583; Dec. 31.
Guard, Portable lamp. R. Popp. 2,413,417; Dec. 31.
Gun, Burner. W. P. Cottrell. 2,413,434; Dec. 31.
Hackamore bit. R. W. Askin. 2,413,426; Dec. 31.
Hair extracting device. H. Orner. 2,413,576; Dec. 31.
Hair remover. S. V. Horton. 2,413,325; Dec. 31.
Handbag. V. E. Ohlsen. 2,413,465; Dec. 31.
Harness, Baby. L. W. Ware. 2,413,395; Dec. 31.
Heater: *See*—
Electric heater.
Railway track heater.
Hinge, Spring. F. B. Walts. 2,413,475; Dec. 31.
Holder: *See*—
Crystal holder.
Flower holder.
Pipe holder.
Toothbrush holder.
Holder for mops and other devices. I. Hertzberg. 2,413,564; Dec. 31.
Holder for plates, Cup or glass. W. Weidler. 2,413,535; Dec. 31.
Husking rolls. J. L. Aasland. 2,413,279; Dec. 31.
Hydraulic barker for slabs. F. H. Swift. 2,413,341; Dec. 31.
Hydrocarbons from a sludge, Recovery of. H. S. Bloch. 2,413,310; Dec. 31.
Hydrocarbons, Production of branched chain paraffinic. L. Schmerling. 2,413,384; Dec. 31.
Illuminating means for indicating instruments. G. V. Rylsky. 2,413,381; Dec. 31.
Implement or machine for hoeing. D. R. Bomford. 2,413,429; Dec. 31.
Imprinting device, Foot. R. W. Bergman. 2,413,403; Dec. 31.
Injection system for truck type concrete mixers, Water. L. H. Draeger. 2,413,488; Dec. 31.
Injector for engines, Mechanical vapor fuel. C. A. and V. J. Toce. 2,413,343; Dec. 31.
Insulation, Heat. C. G. Munters. 2,413,331; Dec. 31.
Internal-combustion engines, (alternating piston type) Rotary. R. L. Snyder. 2,413,589; Dec. 31.
Interrupter and disconnecting device, Electric circuit. B. R. Hermann. 2,413,563; Dec. 31.
Interrupter, Electric circuit. C. H. Flurscheim. 2,413,555; Dec. 31.
Iodine images, Producing. H. P. Husek. 2,413,630; Dec. 31.
Iron oxide and for the production of powdered iron, Producing. C. V. Firth. 2,413,492; Dec. 31.
Ironing machine. H. H. Babcock. 2,413,427; Dec. 31.

Joint: *See*—
Car roof joint.
Joint. S. N. Arnold. 2,413,308; Dec. 31.
Key retainer. S. Segal. 2,413,337; Dec. 31.
Laminated structure. F. E. Hummel. 2,413,500; Dec. 31.
Lamp: *See*—
Glow discharge lamp. Portable lamp.
Portable fluorescent lamp.
Lamp base. R. B. Thomas. 2,413,662; Dec. 31.
Lamps, Method and apparatus for coating fluorescent. K. Demb and M. L. Hayes. 2,413,437; Dec. 31.
Lathe, Roll. W. R. Duda. 2,413,489; Dec. 31.
Lens. W. Buchele. 2,413,286; Dec. 31.
Lifter: *See*—
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Lighter. H. C. Sundby. 2,413,473; Dec. 31.
Lining, Sock. C. V. Watson. 2,413,534; Dec. 31.
Liquid product and thermostatic device embodying same. V. Morrill, Jr. 2,413,513; Dec. 31.
Liquids, Method of and apparatus for treating. R. D. Pomeroy. 2,413,375; Dec. 31.
Lithium compounds, Production of. C. M. Nicholson. 2,413,644; Dec. 31.
Loading machine, Mining. N. D. Levin. 2,413,508; Dec. 31.
Lock top container. F. J. O'Brien. 2,413,646; Dec. 31.
Loom with big weaving width. O. Zollikofer. 2,413,672; Dec. 31.
Loops, Forming. I. R. Mitchell. 2,413,642; Dec. 31.
Lubricant and preparing the same. C. A. Cohen. 2,413,311; Dec. 31.
Luminous material. J. R. Lynch. 2,413,459; Dec. 31.
Machine for grinding orthodontic models. W. H. Grinnell. 2,413,619; Dec. 31.
Machine gun feed mechanism. J. C. Trotter. 2,413,665; Dec. 31.
Material handling construction. C. C. Stokes. 2,413,661; Dec. 31.
Measurer and feeder, Aggregate. R. R. Colburn. 2,413,293; Dec. 31.
Measuring instrument. O. S. Petty. 2,413,651; Dec. 31.
Measuring instrument, Additive multirange electronic. S. J. Smith. 2,413,389; Dec. 31.
Measuring line stripping block. W. P. Morris. 2,413,367; Dec. 31.
Mechanism for printing telegraph, Translating. J. T. Gilfillan, Jr. 2,413,557; Dec. 31.
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Metals, Coating by evaporating. W. H. Colbert and A. R. Weinrich. 2,413,606; Dec. 31.
Metals, Evaporating. W. H. Colbert and A. R. Weinrich. 2,413,604–5; Dec. 31.
$MgCl_2$, Recovery and decomposition of. N. C. Christensen. 2,413,292; Dec. 31.
Mixer. A. C. Christensen. 2,413,603; Dec. 31.
Moistening device. M. S. Pollock. 2,413,652; Dec. 31.
Molding process. J. W. Hill. 2,413,498; Dec. 31.
Motor: *See*—
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Torsional vibratory electric motor.
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Necktie construction. L. de V. Whitman. 2,413,398; Dec. 31.
Network, Time delay. M. J. Di Toro. 2,413,607–8; Dec. 31.
Network, Time delay. H. A. Wheeler. 2,413,609; Dec. 31.
Nitrogen compounds, Preparation of. C. E. Schweitzer. 2,413,469; Dec. 31.
Nozzle for shipping containers, Reversible. G. H. W. Doose. 2,413,438; Dec. 31.
Oil composition, Cutting. B. F. Hunter and H. P. Hobart. 2,413,353; Dec. 31.
Opener, Pocket type can. J. W. Speaker. 2,413,528; Dec. 31.
Optical objective. A. Warmisham and C. G. Wynne. 2,413,476; Dec. 31.
Oscillator, Ultra high frequency. H. J. McCarthy. 2,413,364; Dec. 31.
Package, Stationery. E. von Hartmann. 2,413,474; Dec. 31.
Pad for sports shirts and jackets, Removable. C. Solomon. 2,413,526; Dec. 31.
Pads for shirts, Removable shoulder. C. Solomon. 2,413,527; Dec. 31.
Parachute pack opening device. E. A. Neff. 2,413,368; Dec. 31.
Parasiticidal compositions. W. F. Hester and W. E. Craig. 2,413,627; Dec. 31.
Pay statement and envelope assembly. E. G. Overly. 2,413,649; Dec. 31.
Pellet for administering gonadotropic pituitary hormones. F. J. Saunders and A. L. Raymond. 2,413,419; Dec. 31.
Pipe coupler interlock. F. E. Becker. 2,413,402; Dec. 31.
Pipe for motor watercraft, Air intake. W. Helmore. 2,413,350; Dec. 31.
Pipe holder. H. B. Deckert. 2,413,297; Dec. 31.
Piston, Arcuate. R. L. Snyder. 2,413,590; Dec. 31.
Piston construction. S. H. Hamilton and L. W. Shelly. 2,413,347; Dec. 31.
Piston rod packing retainer ring. G. T. Kemmerling. 2,413,504; Dec. 31.
Plug: *See*—
Fish lure casting plug.
Plug and socket connection, Electrical. H. W. Reed. 2,413,519; Dec. 31.
Pontoon, Collapsible salvage. J. A. Cook. 2,413,313; Dec. 31.
Portable excavating and ejecting machine. F. G. Hehr. 2,413,561; Dec. 31.
Portable fluorescent lamp. M. B. Beck. 2,413,599; Dec. 31.
Portable lamp. R. Popp. 2,413,517; Dec. 31.
Position tracking, transmitting, and recording. C. G. Dunn and W. J. Tellington. 2,413,300; Dec. 31.
Powder, Producing iron. W. J. Kroll. 2,413,411; Dec. 31.
Power transmission. A. L. Ellis. 2,413,301; Dec. 31.
Power transmission. H. F. Vickers. 2,413,393; Dec. 31.
Press: *See*—
Sheet cutting and creasing press.
Pressure fluid driven tool. R. R. Butts. 2,413,542; Dec. 31.
Pressure measurement, Vapor. C. W. Hewlett. 2,413,565; Dec. 31.
Printing plate means. W. C. Toland. 2,413,664; Dec. 31.
Projection apparatus for still and for moving pictures, Picture. A. T. Cahill. 2,413,288; Dec. 31.
Propeller. B. J. Paulson. 2,413,372; Dec. 31.
Pump. J. Mann. 2,413,461; Dec. 31.
Pump and motor assembly. R. R. Curtis and R. L. Gates. 2,413,546; Dec. 31.
Rack: *See*—
Bomb rack.
Radiant oven and broiler burner. R. J. Greene. 2,413,447; Dec. 31.
Radio controlled rocket. J. H. Hammond, Jr. 2,413,621; Dec. 31.
Radio receiver. G. C. Sziklai. 2,413,593; Dec. 31.
Railway track heater. A. A. Smith. 2,413,388; Dec. 31.
Receiver system. H. B. Deal, W. R. Alexander, and J. A. Rankin. 2,413,296; Dec. 31.
Reciprocating mechanism. V. G. Klein. 2,413,357; Dec. 31.
Reciprocating-saw machine. R. G. Brown. 2,413,485; Dec. 31.
Reflector button sign. M. C. Almes. 2,413,538; Dec. 31.
Refrigerant compressor valve arrangement. F. I. Rataiczak. 2,413,653; Dec. 31.
Refrigerant controlling and expansion apparatus. J. N. Roth. 2,413,336; Dec. 31.
Refrigerating apparatus. G. M. Armstrong. 2,413,597; Dec. 31.
Relay for fluorescent lamps, Thermal. H. J. McCarthy. 2,413,363; Dec. 31.
Releasing device. B. Johnsen. 2,413,450; Dec. 31.
Resin composition, Oil-modified. A. P. Mazzucchelli. 2,413,412; Dec. 31.
Resinous material and preparing the same. F. W. Kressman and F. W. Kressman, Jr. 2,413,326; Dec. 31.
Resins, Hardenable urea-aldehyde. R. R. Harris. 2,413,624; Dec. 31.
Responsive device, Fixed temperature. F. C. Evans. 2,413,490; Dec. 31.
Reticles, Making. E. C. Bierman. 2,413,600; Dec. 31.
Reversing means, and transfer means, and yieldable pusher finger means in match book assembling mechanism, Combination. M. Spector. 2,413,659; Dec. 31.
Ribs to umbrella covers, Attaching. D. Gershman. 2,413,617; Dec. 31.
Rigging, Brush. R. W. Groot. 2,413,560; Dec. 31.
Rigging for handling drums and barrels. E. W. Ashenden. 2,413,280; Dec. 31.
Ring: *See*—
Piston rod packing retainer ring.
Ring gauge. E. F. and G. Hohwart. 2,413,566; Dec. 31.
Rotary belt loading machine. R. M. Freeman. 2,413,316; Dec. 31.
Rotary disk abrading tool. E. W. Hall. 2,413,346; Dec. 31.
Rotor assembly, Gyro. S. Bousky. 2,413,285; Dec. 31.
Rubber derivative product. C. M. Carson. 2,413,432; Dec. 31.
Rubber from plants of the genus cryptostegia, Extraction of. E. O. Reif and M. Trafton, Jr. 2,413,654; Dec. 31.
Salts, Coated hygroscopic. E. Fajans. 2,413,491; Dec. 31.
Sander, Track. L. E. Simmons. 2,413,387; Dec. 31.
Scaffolding device. S. Isakson. 2,413,569; Dec. 31.
Scarf-capuchin. A. Golfieri. 2,413,319; Dec. 31.
Scarf, Lady's. A. Golfieri. 2,413,318; Dec. 31.
Scooter construction. W. W. Taylor. 2,413,530; Dec. 31.
Screw and nut fastening. C. J. Whitcombe. 2,413,669; Dec. 31.
Screw-thread gauge. J. E. Wainwright and M. Jellis. 2,413,533; Dec. 31.

Seal for aircraft control rods. R. A. Wolf and H. L. Bowers. 2,413,671; Dec. 31.
Seat support. W. J. Klefer. 2,413,455; Dec. 31.
Selective fading distortion, Reduction of. W. L. Carlson. 2,413,543; Dec. 31.
Selenium, Producing elemental. A. J. Phillips, Y. E. Lebedeff, and J. R. Crandall. 2,413,374; Dec. 31.
Self-sealing valved coupling. H. C. Krone and W. Meyer. 2,413,571; Dec. 31.
Sheathing material. C. D. Pratt and J. A. Farr. 2,413,516; Dec. 31.
Sheet cutting and creasing press. A. J. Evers. 2,413,563–4; Dec. 31.
Shield, Bud. J. A. Dockry. 2,413,487; Dec. 31.
Shock absorber, Friction. G. E. Dath. 2,413,295; Dec. 31.
Shock absorber on sweep arm for picker motion looms. J. Nault. 2,413,643; Dec. 31.
Shoe construction. E. Ziniti. 2,413,481; Dec. 31.
Shoe, Novelty squawk-type. L. L. Cordi. 2,413,545; Dec. 31.
Shower for corrugators, Steam. T. S. Fitchett, H. B. Greenwood, and W. G. Shackelford. 2,413,409; Dec. 31.
Shuttle propelling mechanism. H. and B. O. W. Hoeber and W. T. Read. 2,413,629; Dec. 31.
Sieve construction for harvesters, Sheet metal. D. E. Sargent and R. W. Rollson. 2,413,382; Dec. 31.
Sign: *See*—
Reflector button sign.
Signal-translating system, Color television. J. C. Wilson. 2,413,423; Dec. 31.
Signaling system. J. H. Hammond, Jr. 2,413,348; Dec. 31.
Signature gathering machine. P. E. Kleineberg. 2,413,358; Dec. 31.
Silico-organic derivatives and making the same. J. B. Rust and C. A. MacKenzie. 2,413,582; Dec. 31.
Slope-measuring instrument, Lumber grain. E. A. Anderson. 2,413,424; Dec. 31.
Spectrometry, Mass. H. W. Washburn. 2,413,668; Dec. 31.
Spectrophotometer, Flickering beam. E. I. Stearns, Jr. 2,413,660; Dec. 31.
Spring suspension. C. H. Chapin. 2,413,291; Dec. 31.
Starch, Preparing soluble allyl. P. L. Nichols, Jr., P. E. Meiss, and E. Yanovsky. 2,413,463; Dec. 31.
Steels, Bearing. F. R. Bonte. 2,413,602; Dec. 31.
Sterilizer, Shoe. M. F. Fortney. 2,413,494; Dec. 31.
Stretcher, Sock. B. A. Gear. 2,413,305; Dec. 31.
Structure for roofs, Flashing. E. N. Smith. 2,413,588; Dec. 31.
Stud, Welding. W. E. Palmer. 2,413,370; Dec. 31.
Styrene, Multistage purifying. H. M. Weir. 2,413,674; Dec. 31.
Suction cleaner. D. G. Smellie. 2,413,587; Dec. 31.
Suit for circulating conditioned air about a person. E. L. Schulz. 2,413,386; Dec. 31.
Supply system, Power. G. L. Usselman. 2,413,391; Dec. 31.
Support: *See*—
Seat support.
Switch: *See*—
Electronic switch.
Ultra high frequency switch.
Syringe. M. L. Folkman. 2,413,303; Dec. 31.
Tank having means for drawing a vacuum on the tank and having discharge mechanisms for causing a flow of liquid thereto from the separator tank, Liquid separator. C. G. Lord. 2,413,509; Dec. 31.
Telegraph system. R. S. Hewitt. 2,413,322; Dec. 31.
Terpene reaction product and producing. E. Ott. 2,413,648; Dec. 31.
Test light. J. Berger. 2,413,484; Dec. 31.
Textile fibers, Lubrication of. H. J. Billings. 2,413,428; Dec. 31.
Thermocouple. A. Graves and G. A. R. Tomes. 2,413,618; Dec. 31.
Thio-acids and derivatives, Manufacture of. H. M. Martin. 2,413,361; Dec. 31.
Thread cutter. H. F. Dooling. 2,413,406; Dec. 31.
Tie and spacer, Concrete form. A. Olson. 2,413,415; Dec. 31.
Tire building form. W. B. Freeman and R. E. Lindemann. 2,413,445; Dec. 31.
Titanium solutions, Production of stable. R. M. McAdam. 2,413,640–1; Dec. 31.
Tool: *See*—
Cutting tool. Rotary disk abrading tool.
Pressure fluid driven tool.
Tool for removing wax from beehive frames. R. H. Volgenau and J. M. Hooe. 2,413,394; Dec. 31.
Tool lifting and lowering device. A. J. Ducker. 2,413,299; Dec. 31.
Tooth, Crown type. S. Myerson. 2,413,333; Dec. 31.
Toothbrush holder. G. A. Gibson, Jr. 2,413,306; Dec. 31.
Torque-responsive clutch. L. M. Osterstuck. 2,413,466; Dec. 31.
Torsional vibratory electric motor. W. D. Swallow. 2,413,340; Dec. 31.
Toy, Smoke producing. J. L. Bonanno. 2,413,284; Dec. 31.
Tractor, Agricultural. A. E. W. Johnson. 2,413,355; Dec. 31.
Transducer. F. Massa. 2,413,462; Dec. 31.
Transfer mechanism, Cone jacket. M. Glassner. 2,413,446; Dec. 31.
Transmission system, Multiplex. R. A. Weagant. 2,413,396; Dec. 31.
Trigger stop for firearms. E. G. Reising. 2,413,520; Dec. 31.
Truck. R. B. Cottrell and F. E. Bachman. 2,413,433; Dec. 31.
Truck. D. M. Light. 2,413,458; Dec. 31.
Tuning unit, Ultra-high-frequency. J. K. Johnson. 2,413,451; Dec. 31.
Tying apparatus. R. R. Raney. 2,413,378; Dec. 31.
Ultra high frequency switch. D. R. De Tar. 2,413,298; Dec. 31.
Valve: *See*—
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Varnish bases, Sulfur-treated. L. Auer. 2,413,281; Dec. 31.
Vehicle equalizing suspension. G. L. Larison. 2,413,572; Dec. 31.
Vending machine. B. W. Fry. 2,413,304; Dec. 31.
Vending machine. I. E. Kidwell. 2,413,454; Dec. 31.
Vinyl cyanide, Production of. H. D. Green and D. S. Taylor. 2,413,496; Dec. 31.
Vinyl cyanide, Production of. C. R. Harris. 2,413,623; Dec. 31.
Vitreous composition. A. J. Deyrup. 2,413,549; Dec. 31.
Watering device. J. C. Oldfield. 2,413,647; Dec. 31.
Web splicing apparatus. O. C. Roesen. 2,413,581; Dec. 31.
Welding machine, Flash. J. B. Tiedemann. 2,413,663; Dec. 31.
Wheel structure. G. A. Lyon. 2,413,328; Dec. 31.
Wheel trim, Making. G. A. Lyon. 2,413,329; Dec. 31.
Zinc salts of aryl mercaptans, Preparing. J. J. Verbanc. 2,413,531; Dec. 31.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 31, 1946

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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